

STATISTICAL SUMMARY OF STREAMFLOW DATA FOR INDIANA

By Donald V. Arvin

---

U.S. GEOLOGICAL SURVEY

Open-File Report 89-62

Prepared in cooperation with the  
INDIANA DEPARTMENT OF NATURAL RESOURCES



Indianapolis, Indiana

1989

DEPARTMENT OF THE INTERIOR  
MANUEL LUJAN, JR., Secretary  
U.S. GEOLOGICAL SURVEY  
Dallas L. Peck, Director

1

---

For additional information,  
write to:

District Chief  
U.S. Geological Survey  
5957 Lakeside Boulevard  
Indianapolis, IN 46278-1996

Copies of this report can be  
purchased from:

U.S. Geological Survey  
Books and Open-File Reports Section  
Federal Center, Building 810  
Box 25425  
Denver, CO 80225-0425

## CONTENTS

	Page
Abstract.....	1
Introduction.....	1
Purpose and scope.....	1
Explanation of report format.....	2
Statistical summary of streamflow data.....	12
Stage-discharge relation.....	12
Flow duration.....	14
Low flow.....	21
High flow.....	23
Annual mean discharge.....	23
Monthly mean discharge.....	25
Summary.....	28
References cited.....	28
Hydrologic information.....	29
Station index.....	960

## FIGURES

Figure 1. Locations of active and discontinued streamflow-gaging stations.....	10
2. Stage-discharge rating curve for Sugar Creek at New Palestine.....	13
3. Duration curve of daily mean discharges, Sugar Creek at New Palestine, 1968-85.....	19
4. Histogram of daily mean discharges, Sugar Creek at New Palestine, 1968-85.....	20

## TABLES

Table 1. Streamflow stations and period of record.....	3
2. Flow-duration values, flow-duration summary, and list of seven interpolated percent of time of exceedence values, Sugar Creek at New Palestine.....	15
3. Flow-duration values, Salt Creek near Harrodsburg, indicating the effect of streamflow regulation.....	18
4. Lowest N-consecutive-day mean discharges, ranked lowest to highest, and highest N-consecutive-day mean discharges, ranked highest to lowest, Sugar Creek at New Palestine.....	22
5. Climatic-year annual mean discharges, ranked lowest to highest, and water year annual mean discharges, ranked highest to lowest, Sugar Creek at New Palestine.....	24
6. Monthly mean discharges, and twenty-fifth, fiftieth, and seventy-fifth percentiles of monthly mean discharges, Sugar Creek at New Palestine.....	26
7. Ranked monthly mean discharges, Sugar Creek at New Palestine.	27

## STATISTICAL SUMMARY OF STREAMFLOW DATA FOR INDIANA

By Donald V. Arvin

### ABSTRACT

Statistical analyses of daily mean discharge values for 229 Indiana streamflow-gaging stations are presented. For each station, data collected from the beginning of period of record through the 1985 water year were analyzed. Summaries include flow-duration, high-flow, and low-flow tables, and monthly and annual mean discharges.

### INTRODUCTION

The abundance of water in Indiana has been a major factor in determining the location and growth of communities, the development of agriculture, and the development of industry. Streams and rivers have a major effect on the everyday lives of Indiana's residents. The study of surface water is needed to understand this vital resource, which exhibits such an erratic nature. The U.S. Geological Survey, in cooperation with Federal, State, and local agencies, has collected daily streamflow data in Indiana since 1928 (Stewart and others, 1986, p. 3). The U.S. Geological Survey also collected daily streamflow data for short periods at several sites in Indiana from 1903 through 1922. Statistical analysis of the streamflow data helps water-resource managers make sound water-management decisions.

A previous study (Horner, 1976) provided statistical analyses on the basis of data collected through the 1975 water year at 227 Indiana streamflow-gaging stations. An earlier publication (Doggett, 1952) provided monthly and annual statistics based on data collected through the 1950 water year at many of these same stations.

### Purpose and Scope

This report presents the results of statistical analyses of streamflow data collected at streamflow-gaging stations in Indiana. Discussions of the information in this report are presented in nontechnical terms.

Statistical calculations in this report are based on daily mean discharge values collected at 229 streamflow-gaging stations. For each station, data collected for the period of record through the 1985 water year were analyzed. Summaries include flow-duration tables, high-flow tables, low-flow tables, monthly mean discharges, and annual mean discharges. These are the statistical values most often requested by water-resource managers.



### Explanation of Report Format

Statistical information is presented for 229 streamflow-gaging stations. Statistical tables are grouped by station, arranged in downstream order, and are identified by unique station numbers. A downstream-order list of these stations, in addition to a bar graph that illustrates the respective periods of record, is presented in table 1. The locations of active and discontinued streamflow-gaging stations are shown in figure 1. An alphabetical listing of station names and the page location of the respective statistical tables is included in the station index at the back of the report. A discussion of the statistical values is presented.

Daily mean discharges for each station for the period of record through September 30, 1985, have been included in the statistical analyses. Statistical tables exclude those periods that contain missing daily values. Therefore, tables organized by year exclude those years in which any single daily mean discharge is missing. Monthly tables exclude any month in which a daily mean discharge is missing.

With the exception of low-flow tables and climatic year annual mean discharges, all statistics in this report are calculated in terms of water years. The water year as used in this report begins October 1 and ends September 30. As an example, the 1957 water year begins October 1, 1956, and ends September 30, 1957. The low-flow table and the climatic year annual mean discharges use data in terms of the climatic year, which as used in this report begins April 1 and ends March 31. The 1957 climatic year, for example, begins April 1, 1956, and ends March 31, 1957. By separating annual periods at the time of the year when rates of discharge generally are high, low-flow periods can be analyzed with a greater degree of continuity.

Table 1.--Streamflow stations and period of record

Station number	Station name	Period of record											
		Unregulated	Regulated	1895	1905	1915	1925	1935	1945	1955	1965	1975	1985
03274650	Whitewater River near Economy												
03274750	Whitewater River near Hagerstown												
03274950	Little Williams Creek at Cornersville												
03275000	Whitewater River near Alpine												
03275500	East Fork Whitewater River at Richmond												
03275600	East Fork Whitewater River at Abington												
03276000	East Fork Whitewater River at Brookville												
03276500	Whitewater River at Brookville												
03276700	South Hogan Creek near Dillsboro												
03277000	Laughery Creek near Farmers Retreat												
03291780	Indian-Kentuck Creek near Canaan												
03294000	Silver Creek near Sellersburg												
03302220	Buck Creek near New Middletown												
03302300	Little Indian Creek near Galena												
03302500	Indian Creek near Corydon												
03302680	West Fork Blue River at Salem												
03302800	Blue River at Fredericksburg												
03303000	Blue River near White Cloud												
03303300	Middle Fork Anderson River at Bristow												
03303400	Crooked Creek at Santa Claus												
03304000	Little Pigeon Creek near Tennyson												
03322100	Pigeon Creek at Evansville												
03322500	Wabash River near New Corydon												
03322900	Wabash River at Linn Grove												
03323000	Wabash River at Bluffton												
03323500	Wabash River at Huntington												
03324000	Little River near Huntington												
03324200	Salamonie River at Portland												
03324300	Salamonie River near Warren												
03324500	Salamonie River at Dora												
03325000	Wabash River at Wabash												
03325311	Little Mississinewa River at Union City												
03325500	Mississinewa River near Ridgeville												
03326000	Mississinewa River near Eaton												
03326070	Big Lick Creek near Hartford City												

Table 1.—Streamflow stations and period of record—Continued

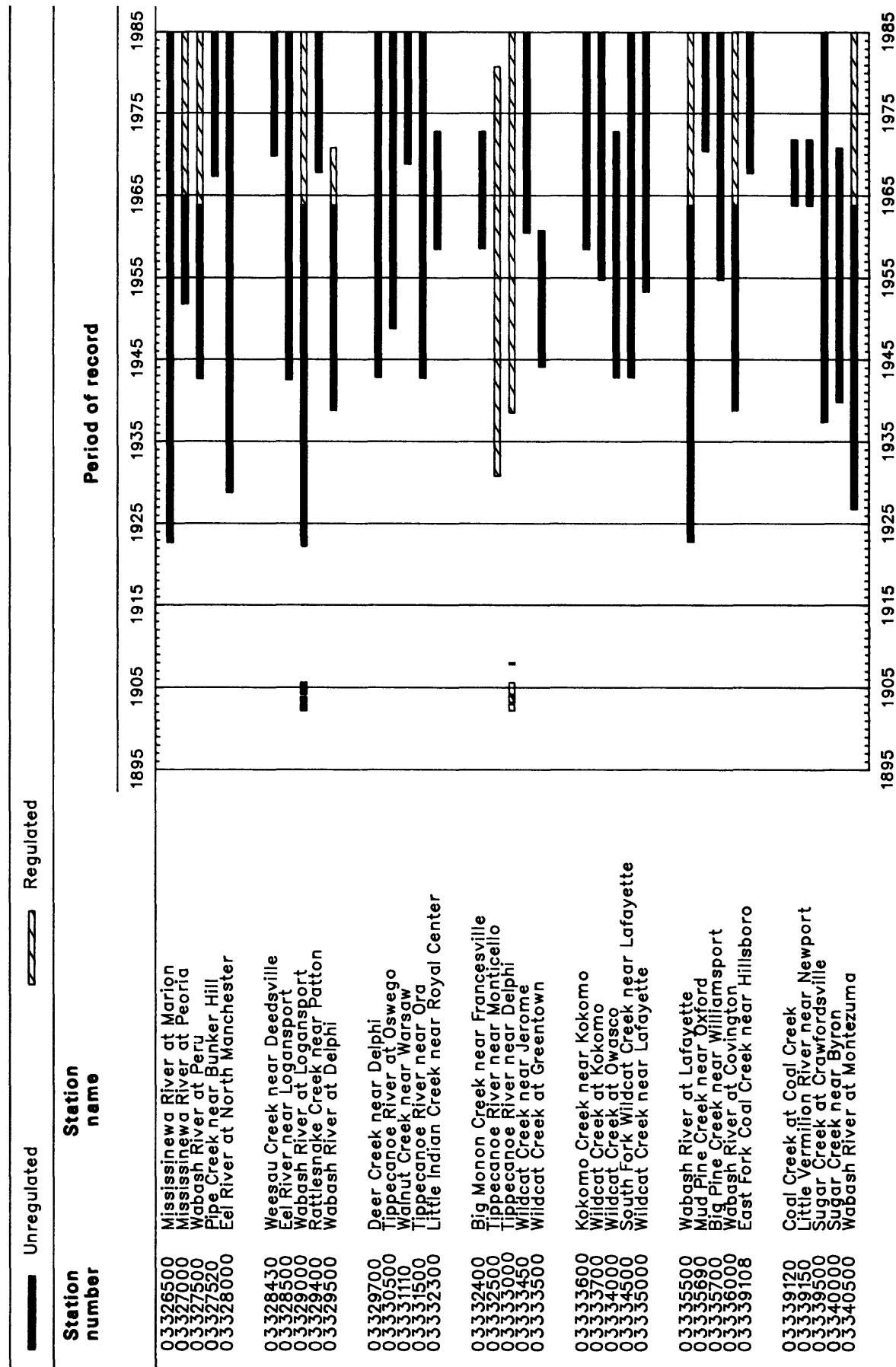


Table 1.--Streamflow stations and period of record---Continued

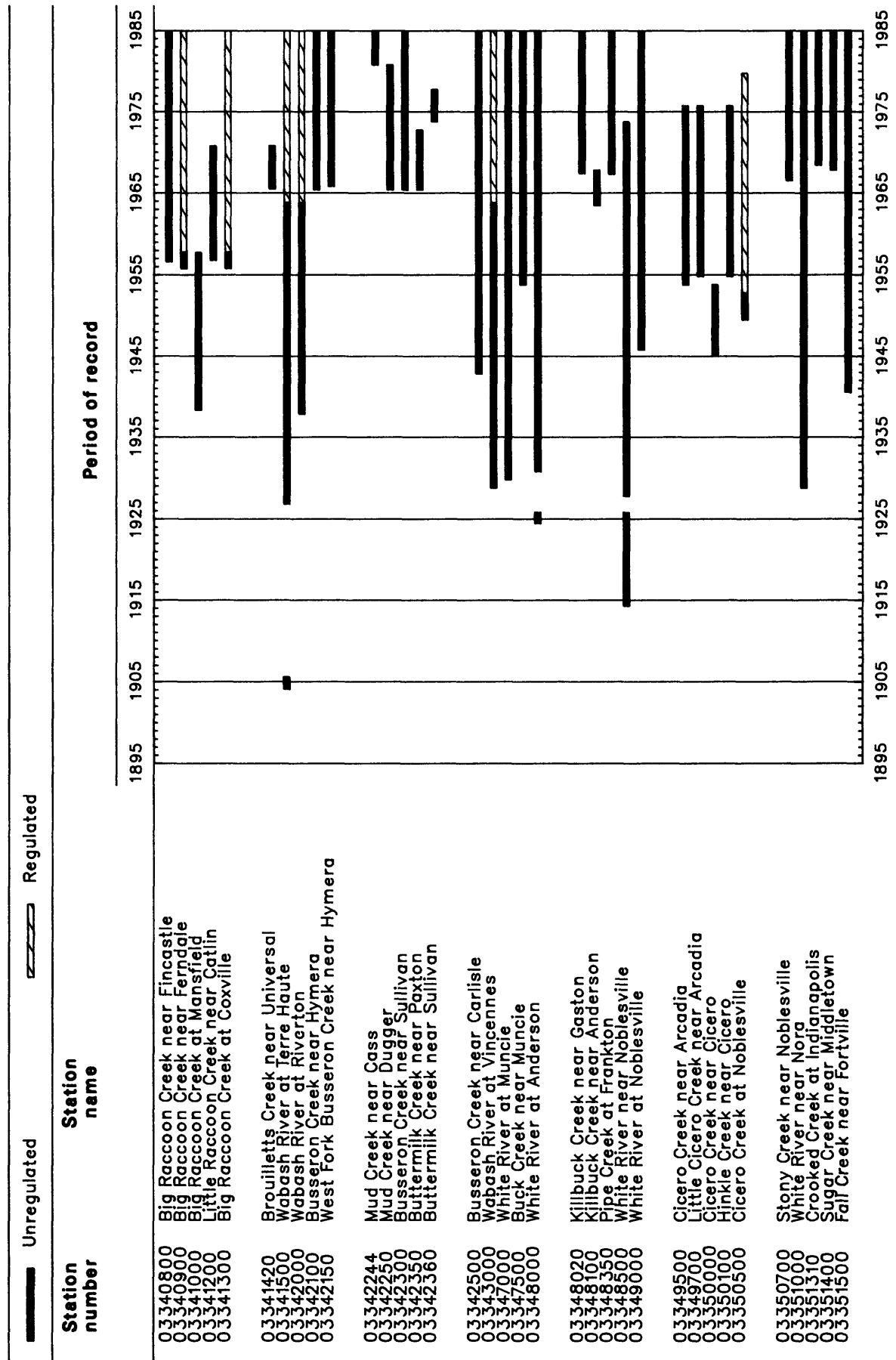


Table 1.--Streamflow stations and period of record--Continued

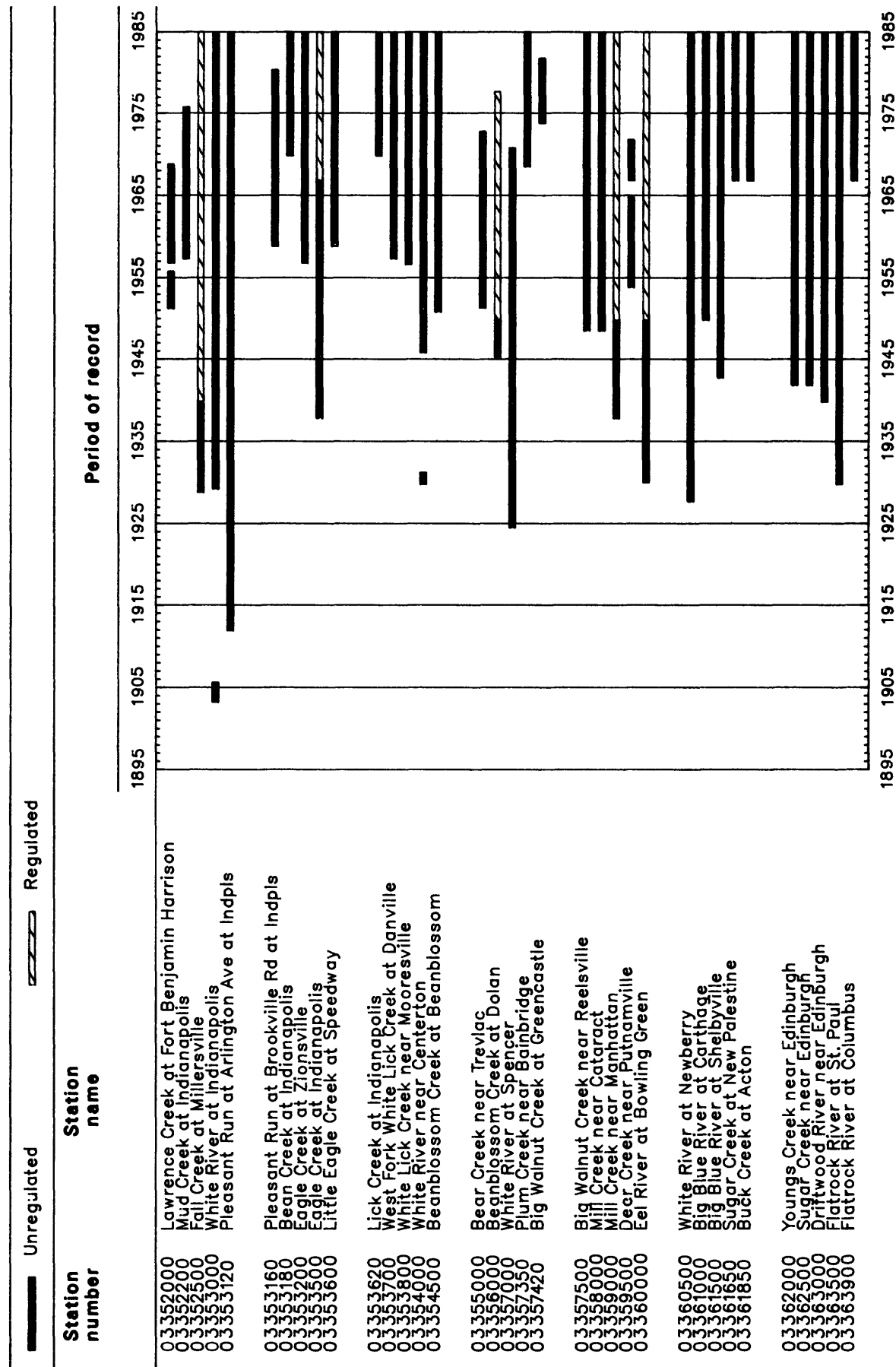


Table 1.--Streamflow stations and period of record--Continued

		Unregulated		Regulated		Period of record											
Station number	Station name																
03364000	East Fork White River at Columbus																
03364200	Haw Creek near Clifford																
03364500	Clifty Creek at Hartsville																
03365000	Sand Creek near Brewersville																
03365500	East Fork White River at Seymour																
03366000	Graham Creek near Vernon																
03366200	Harberts Creek near Madison																
03366500	Muscatatuck River near Deputy																
03367000	Muscatatuck River near Austin																
03368000	Brush Creek near Nebraska																
03369000	Vernon Fork Muscatatuck River nr Butlerville																
03369500	Vernon Fork Muscatatuck River at Vernon																
03371500	East Fork White River near Bedford																
03371520	Back Creek at Leesville																
03371600	South Fork Salt Creek at Kurtz																
03371650	North Fork Salt Creek at Nashville																
03372000	North Fork Salt Creek near Belmont																
03372300	Stephens Creek near Bloomington																
03372500	Salt Creek near Harrodsburg																
03372700	Clear Creek near Harrodsburg																
03373000	Salt Creek near Peerless																
03373200	Indian Creek near Springville																
03373500	East Fork White River at Shoals																
03373700	Lost River near West Baden Springs																
03374000	White River at Petersburg																
03374455	Patoka River near Hardinsburg																
03374500	Patoka River near Cuzco																
03375500	Patoka River at Jasper																
03375800	Hall Creek near St. Anthony																
03376260	Flat Creek near Otwell																
03376300	Patoka River at Winslow																
03376350	South Fork Patoka River near Spurgeon																
03376500	Patoka River near Princeton																
03377500	Wabash River at Mount Carmel, IL																
03378550	Big Creek near Wadesville																

Table 1.--Streamflow stations and period of record--Continued

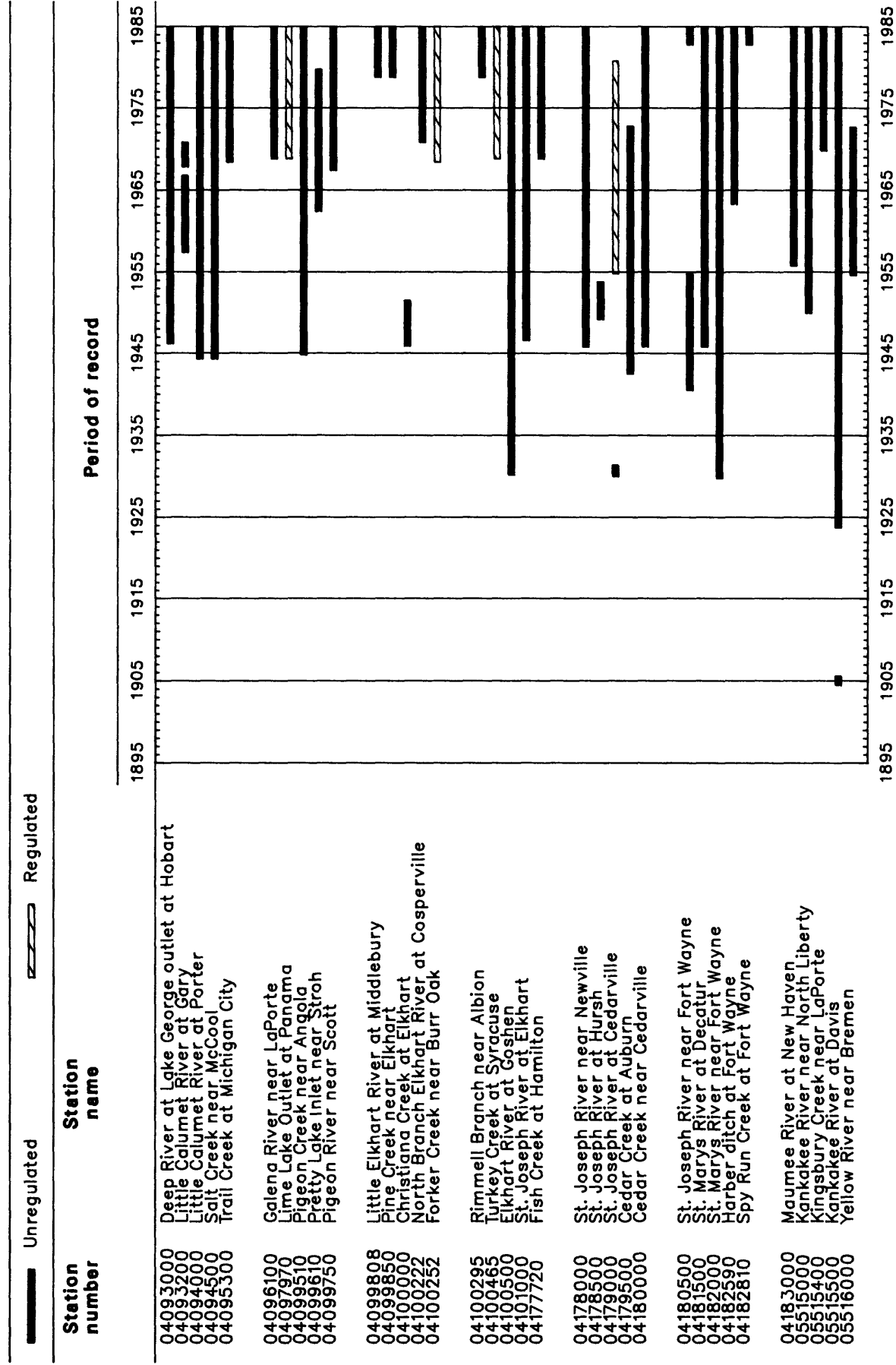
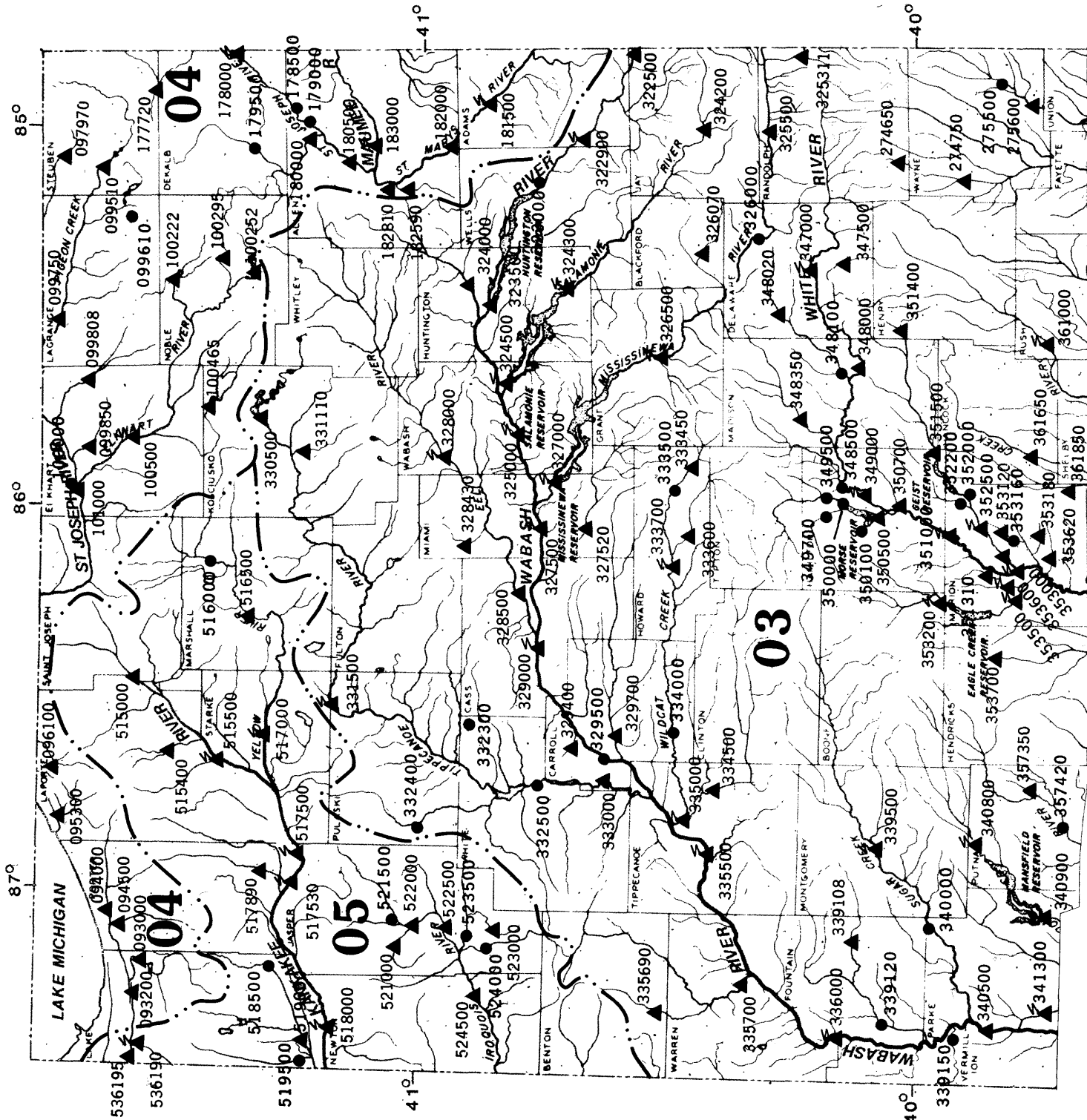


Table 1.--Streamflow stations and period of record--Continued

	<div><div></div>Unregulated</div>	<div><div></div>Regulated</div>	
Station number	Station name	Period of record	
05516500	Yellow River at Plymouth		1895
05517000	Yellow River at Knox		1895
05517500	Kankakee River at Dunns Bridge		1895
05517530	Kankakee River near Kouts		1895
05517890	Cobb ditch near Kouts		1895
05518000	Kankakee River at Shelby		1895
05518500	Singleton ditch near Hebron		1895
05519000	Singleton ditch at Schneider		1895
05519500	West Creek near Schneider		1895
05521000	Iroquois River at Rosebud		1895
05521500	Oliver ditch near Aix		1895
05522000	Iroquois River near North Marion		1895
05522500	Iroquois River at Rensselaer		1895
05523000	Bice ditch near South Marion		1895
05523500	Slough Creek near Collegeville		1895
05524000	Carpenter Creek at Egypt		1895
05524500	Iroquois River near Foresman		1895
05536190	Hart ditch at Munster		1895
05536195	Little Calumet River at Munster		1895





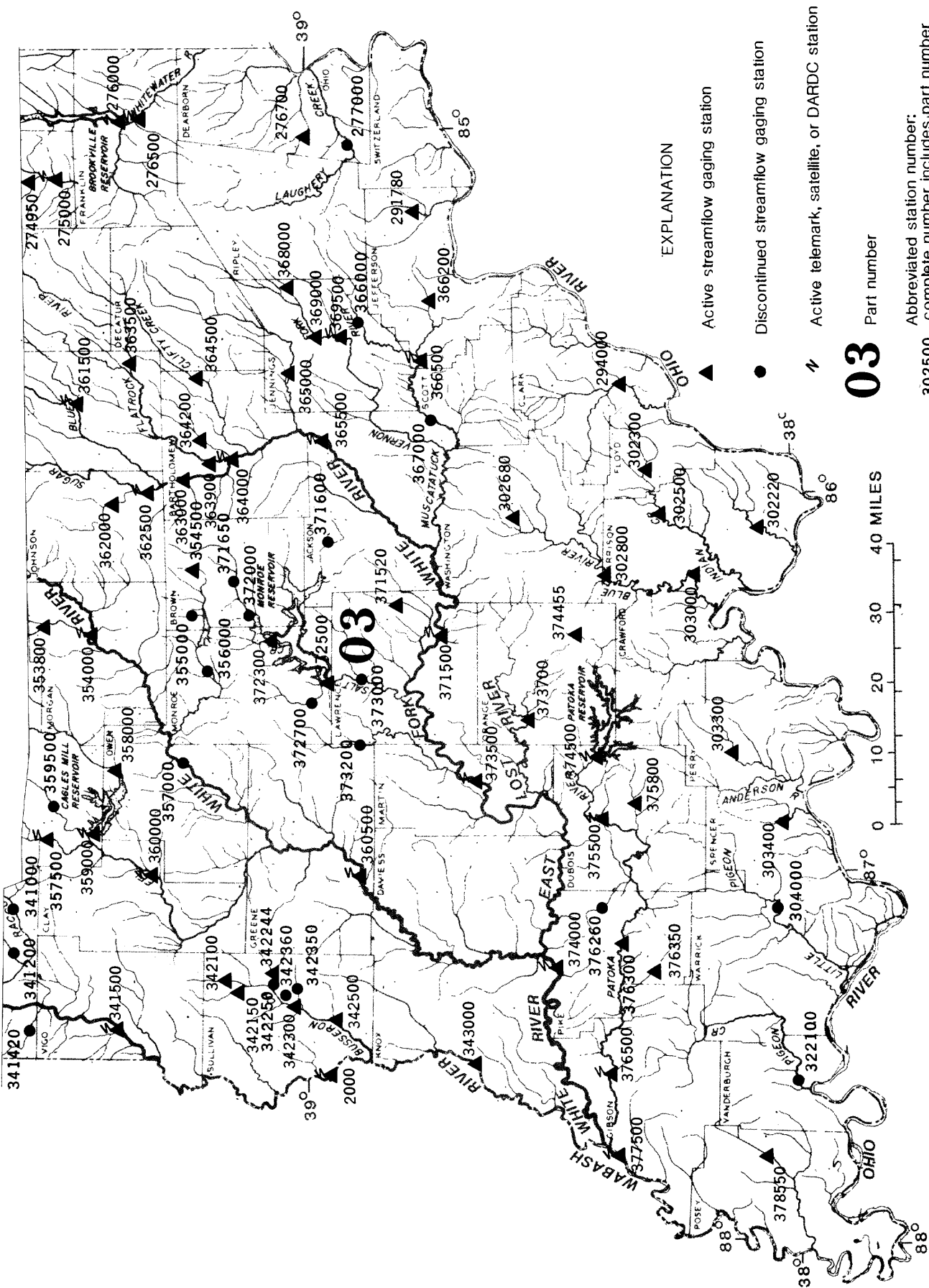


Figure 1.-- Locations of active and discontinued streamflow-gaging stations in Indiana.

## STATISTICAL SUMMARY OF STREAMFLOW DATA

Streamflow, or discharge, is defined as the volume rate of flow of water and can be expressed in cubic feet per second ( $\text{ft}^3/\text{s}$ ). As water flows by a gaging station, gage height (water-surface level) is systematically recorded. The instantaneous gage height is converted to an instantaneous discharge value. This conversion is done by using a rating curve that relates gage height and discharge. (For a more thorough discussion of this conversion process, see section "Stage-Discharge Relation".) All instantaneous-discharge values recorded throughout a day are totaled and then divided by the number of readings. This calculation produces the value known as the daily mean discharge, which forms the basis for all statistical calculations discussed in this report.

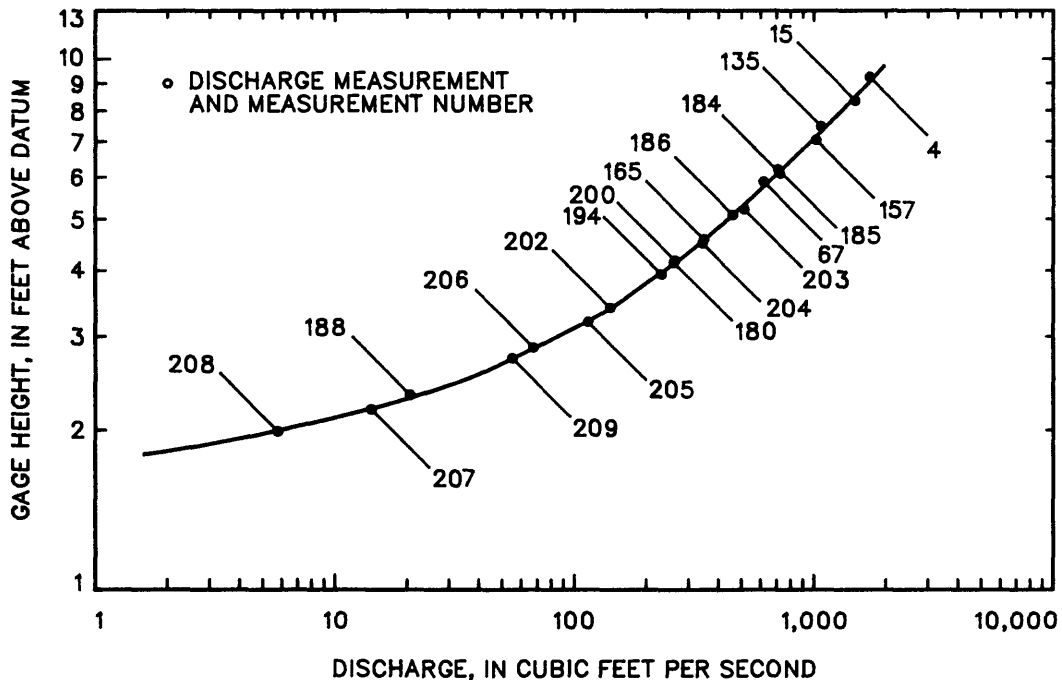
Very few streams in Indiana can be considered totally free from unnatural (manmade) controls. Farm ponds, levees, highway culverts, and many other manmade structures ultimately affect streamflow. However, for the purpose of this report, streamflow at a gaged site is considered regulated if more than 10 percent of the contributing drainage area is subject to large-scale control of discharge (such as the control of outflow from a flood-control reservoir). For some stations, streamflow records are available for periods prior to the start of regulation. Referring to periods of record represented by hatched bars in table 1, a station ceases to be unregulated as streamflow is affected by dam construction. Data collected during periods of no regulation were analyzed separately from data collected during periods of regulation. Both analyses are presented. Transition periods, when streamflow was affected by construction of the dam or filling of the reservoir, were not included in either analysis.

Stage-Discharge Relation

An understanding of the statistical relations presented in this report can be attained by understanding the nature of the data. It is a common misconception that continuous discharge data are obtained at streamflow-gaging stations by recorders that monitor discharge. This is not the case. In practice, it is the water-surface level, referred to as gage height or stage, that is recorded. Although stage data can be an important and usable form of information, the calculated discharge value (the quantity of water flowing in the stream) usually is of primary interest. The discussion that follows summarizes the conversion of gage-height data to continuous discharge information.

A monitor located within a protective shelter reads and records a gage-height value that corresponds to the water-surface level of the adjacent stream. Readings are recorded at predetermined intervals, such as every 15 minutes or every hour. The type of recording equipment may differ from station to station. Gage-height values, which are typically sensed by a float system or a manometer pressure system, may be traced onto a strip chart, punched onto a digital paper tape, or transmitted via satellite to a ground receiving station and logged directly into computer storage.

Discharge measurements are made periodically to help relate streamflow to water-surface level. These measurements are made when a field hydrographer visits the gaging station. The field hydrographer follows standard measurement procedures (Buchanan and Somers, 1969, p. 37) to determine the discharge of the stream at that specific time, location, and gage height. By compiling field measurements of stage and discharge for a station, a stage-discharge relation usually can be determined. In most instances, a plot of these measurements on log-log graph paper takes on the appearance of a smooth curve (fig. 2). This relation commonly is called the stage-discharge rating curve or simply the rating (Kennedy, 1984).



The relation between stage and discharge can be affected by both natural and manmade events. For instance, a strong breeze on an autumn day may remove a tremendous number of leaves from the trees. Leaves that fall into the channel may accumulate on the cobble riffle just downstream from the streamflow-gaging station and effectively restrict flow in the stream; this restriction causes the stage to rise substantially while the discharge may remain fairly constant. In another situation, plunging temperatures on a winter night may cause ice to form at the surface of a river. The back pressure and friction from this ice could cause the stage to rise while the discharge would decrease drastically. This same ice later may break into chunks, float downstream, and scour out the cobble riffle or form ice jams. Aquatic plants may grow profusely during the late summer months, greatly impeding flow, then later be killed suddenly by the first heavy frost. Trees fall into channels. Streambed materials migrate. Levees fail. Beavers construct dams. The list goes on.

Obviously, a flowing stream continually changes; so, too, does the stage-discharge relation of that stream. By analysis of the data, detailed computations, and systematic cross-referencing of information, the stage-discharge rating curve can be adjusted mathematically to account for these variations. Even with the complexities and complications nature provides, incorporation of onsite observations, weather information, known hydrologic events at nearby stations, and numerous other forms of information, permits continuous gage-height data, in most instances, to be converted accurately to continuous discharge information (Kennedy, 1983, p. 30).

Many other statistics can be generated by analysis of daily mean discharge values beyond those presented in this report (Riggs, 1968). Examples include variance, standard deviation, skewness, coefficient of variation, and probability distributions.

### Flow Duration

When studying the streamflow characteristics of a certain stream, it is useful to examine the data listed in a flow-duration table that were collected at a particular streamflow-gaging station. Flow-duration tables list the percentage of time a given discharge is equaled or exceeded. Flow-duration curves illustrate this same information in graphical form.

An example of flow-duration information is listed in table 2. Data from Sugar Creek at New Palestine were used to generate the three-part table. Part 1 is the table of flow-duration values. Part 2 is the flow-duration summary. Part 3 is a list of seven interpolated daily mean discharges and percentage of time those values are equaled or exceeded.

Table 2.--Flow-duration values, flow-duration summary, and list of seven interpolated percent of time of exceedence values, Sugar Creek at New Palestine

[ft<sup>3</sup>/s, cubic feet per second; ACCUM, accumulated number of daily mean discharges; PERCT, percent of time value was equaled or exceeded]

Part 1

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968				1	4	2	7	10	23	22	22	19	36	25	19	26	16	15	17	19	14	11	8	3	11	7	10	3	3	3	4	4		2		
1969									3	28	16	18	11	11	13	34	35	43	21	21	13	19	4	25	11	4	9	4	5	6	4	1	3	3		
1970				4	4	9	12	12	10	11	20	13	21	26	41	25	24	25	24	13	14	11	12	14	4	4	1	2	6	3						
1971		1	6	1		9	10	23	21	36	40	23	35	19	27	13	18	12	7	9	15	6	10	6	1	5	3	3	2	2	1	5	1			
1972			2	4	6	15	26	37	26	17	12	13	17	25	21	25	30	15	15	11	6	8	5	5	3	3	5	3	3							
1973								6	17	9	23	17	11	17	12	34	22	19	26	33	25	18	19	8	19	9	7	7	5	2						
1974					2	2	18	27	24	19	8	19	12	19	17	32	26	27	20	16	14	7	8	13	8	8	5	6	1	5	1	1				
1975			2	17	19	19	11	8	17	17	15	8	18	23	18	25	14	20	16	14	15	14	15	8	6	9	3	4	6	2	1	1				
1976				9	20	23	22	16	12	20	25	27	18	17	20	16	14	24	11	13	9	7	7	17	5	6	7			1						
1977		3	12	20	15	23	57	48	31	26	14	8	9	9	13	14	15	11	7	4	3	8	4	3	2	3	1	1			1					
1978								3	16	25	40	27	54	29	16	19	20	21	18	13	12	11	7	6	7	7	4	3	3	2	2					
1979								10	7	18	25	26	27	44	30	25	25	21	23	16	9	12	7	10	6	2	6	5	5	2	4					
1980							2	2	17	12	10	22	30	45	29	32	19	17	22	28	17	10	11	6	7	10	8	8	1	1						
1981					3	7	30	37	37	40	22	26	15	29	14	17	16	14	12	10	8	7	6	4	3	2	1	2			1	2				
1982				1	21	9	22	12	11	28	26	18	17	25	21	19	15	13	21	16	12	11	8	6	8	3	6	6	3	4	1	2				
1983		3	15	11	11	14	18	22	14	19	11	14	8	15	26	35	28	27	14	12	8	7	9	5	5	4	3	4			1	1	1			
1984		3		6	3	4	12	14	22	28	14	17	17	16	15	13	15	23	29	25	18	11	10	13	8	12	6	2	3	7						
1985					1	9	8	14	12	30	17	10	26	18	24	14	30	26	23	21	17	13	10	7	8	7	4	5	4	2		2	2			

Part 2

Col 1	Col 2	Col 3	Col 4	Col 5	Col 1	Col 2	Col 3	Col 4	Col 5	Col 1	Col 2	Col 3	Col 4	Col 5
CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6575	100.00	12	21.0	312	4732	71.97	24	220.0	185	764	11.62
1	2.4	6	6575	100.00	13	25.0	365	4420	67.22	25	270.0	107	579	8.81
2	2.9	19	6569	99.91	14	31.0	336	4055	61.67	26	320.0	129	472	7.18
3	3.6	30	6550	99.62	15	37.0	499	3719	56.56	27	390.0	90	343	5.22
4	4.3	59	6520	99.16	16	46.0	379	3220	48.97	28	480.0	64	253	3.85
5	5.3	81	6461	98.27	17	55.0	431	2841	43.21	29	580.0	71	189	2.87
6	6.4	153	6380	97.03	18	68.0	359	2410	36.65	30	710.0	50	118	1.79
7	7.8	205	6227	94.71	19	82.0	323	2051	31.19	31	870.0	34	68	1.03
8	9.5	276	6022	91.59	20	100.0	294	1728	26.28	32	1100.0	16	34	0.52
9	12.0	306	5746	87.39	21	120.0	282	1434	21.81	33	1300.0	17	18	0.27
A10	14.0	362	5440	82.74	22	150.0	208	1152	17.52	34	1600.0	1	1	0.02
11	17.0	346	5078	77.23	23	180.0	180	944	14.36					

Part 3

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 7.6  
P90 = 10.5  
P75 = 18.7  
P70 = 22.7  
P50 = 44.8  
P25 = 106.0  
P10 = 249.0

A Example: Class 10 represents the range of discharge equal to or greater than 14.0 ft<sup>3</sup>/s, but less than 17.0 ft<sup>3</sup>/s.

B Example: In the 1970 water year, 11 daily mean discharges were within the range represented by class 10.

C Example: Throughout the period of record, 68 daily mean discharges were equal to or greater than 870 ft<sup>3</sup>/s.

D Example: Throughout the period of record, 75 percent of the daily mean discharges were equal to or greater than 18.7 ft<sup>3</sup>/s.

Data in the table of flow-duration values, part 1 of table 2, are arranged vertically by water year (October 1 through September 30), and horizontally by class (0 to 34). A class is a range of discharge with limits specifically defined in part 2, the flow-duration summary. The table of flow-duration values is compiled by dividing the range of daily mean discharges at a streamflow-gaging station into 35 separate classes and determining the number of days with daily mean discharges in each class.

Referring to the class number indicated by the letter 'A' in part 2 of table 2, class 10 is defined as the range of discharge equal to or greater than  $14.0 \text{ ft}^3/\text{s}$ , but less than  $17.0 \text{ ft}^3/\text{s}$ . The value designated by the letter 'B' in part 1 of table 2 indicates that in the 1970 water year (October 1, 1969, through September 30, 1970), there are a total of 11 daily mean discharges within this range.

Part 2 of table 2, the flow-duration summary, is a compilation of information found in part 1. Column 1 is the list of classes. Column 2 is a list of discharge values that define the limits of the corresponding class. As indicated earlier in this section, class 10 includes daily mean discharges equal to or greater than  $14.0 \text{ ft}^3/\text{s}$ , but less than  $17.0 \text{ ft}^3/\text{s}$ . Column 3 is a list of the total number of daily mean discharges, throughout the period of record, that are in the corresponding class. Column 4 is a list of the accumulated number of daily mean discharges that equaled or exceeded the lower discharge limit of the corresponding class. For example, the value indicated by the letter 'C' in part 2 of table 2 indicates that throughout the period of record, 68 daily mean discharges were equal to or greater than  $870 \text{ ft}^3/\text{s}$ . Accordingly, from column 5, a daily mean discharge of  $870 \text{ ft}^3/\text{s}$  is equaled or exceeded 1.03 percent of the time. A daily mean discharge of  $14.0 \text{ ft}^3/\text{s}$ , referring once again to class 10, was equaled or exceeded 82.74 percent of the time throughout the period of record.

Part 3 of table 2 is the percent of time of exceedence. This list contains seven selected percentages (95, 90, 75, 70, 50, 25, and 10) that the corresponding value of daily mean discharge was equaled or exceeded. These discharge values are calculated by linear interpolation of values from part 2 of table 2. The value designated by the letter 'D' in part 3 of table 2 indicates that throughout the period of record, 75 percent of the daily mean discharges were equal to or greater than  $18.7 \text{ ft}^3/\text{s}$ . This discharge was determined by interpolating between the 77.23- and the 71.97-percent values available in part 2 of table 2, as shown in the following example calculation:

$$P_{75} = 18.7$$

$$21 - \left[ \frac{75 - 71.97}{77.23 - 71.97} \right] (21 - 17) = 21.0 - \left[ \frac{3.03}{5.26} \right] (4) = 18.70.$$

Table 3.—Flow-duration values, Salt Creek near Harrodsburg, indicating the effect of streamflow regulation

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30																																					
CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1956											2	4	8	8	14	35	33	16	26	19	24	20	31	26	27	15	16	16	9	13	4						
1957									2	9	17	18	28	11	9	5	9	11	18	18	23	33	32	41	24	12	12	3	4	17	4	4	1				
1958								2	6	6	1	4	6	4	4	2	7	15	12	17	40	39	43	31	28	15	20	12	19	19	10	3					
1959													5	13	27	17	23	21	24	17	27	26	21	42	30	26	14	16	4	5	4	2			1		
1960								5	17	9		2	6	11	11	17	11	15	14	24	33	54	36	31	15	16	15	9	7	5			2	1			
1961				2	10	5	25	18	9	13	11	11	9	15	15	58	12	12	10	15	14	11	13	10	15	11	14	8	11	4		2	1	1			
1962				4	1	9	12			6	3	4	6	20	26	15	13	13	13	27	37	33	32	26	20	9	8	8	6	11	3						
1963										14	8	11	18	22	25	33	33	32	28	27	31	18	11	10	8	5	9	6	4	2	6	3	1				
1964	2	1	1		11	37	32	31	17	5	16	10	6	5	11	10	19	21	29	11	9	8	7	8	5	3	7	11	19	11	2	1					
1965	63													7	8	74	60	16	18	8	18	19	15	9	13	6	8	9	5	9							
1966											27	16	15	5	7	6	91	24	82	15	13	15	5	5	11	2	8	8	10								
1967																	7	171	4	24	49	5	8	8	9	17	49	14									
1968																	58	107	12	4	36	5	7	18	17	12	76	10	4								
1969																	81	79	4	13	41	11	15	14	23	10	43	25	6								
1970																	64	101	15	4	41	11	24	10	21	21	53										
1971																	117	75	16	5	41	13	37	5	12	16	13	15									
1972																	105	87	11	10	14	24	24	28	10	8	19	26									
1973																	1	113	7	3	36	36	14	19	27	25	22	61	1								
1974																	54	112		3	44	11	20	19	22	21	59										
1975																	28	104	1	1	17	25	25	21	38	17	53	35									
1976																	2	241	1	2	12	9	22	14	21	6	35	1									
1977																	288		2	11	1	6	10	5	20	19	3										
1978																	153	21	23	37	10	21	9	6	28	31	26										
1979																	12	77	12	24	27	24	9	15	21	19	101	24									
1980																	52	83	11	4	38	9	8	15	14	23	68	41									
1981																	141	29	14	43	55	14	6	19	12	8	24										
1982																30	59	85	7	5	47	3	6	15	12	21	74	1									
1983																	1	151	1	7	23	21	21	16	16	24	69	15									
1984																	120	90	1	2	18	12	8	8	17	19	52	19									
1985																	59	78	17	2	56	19	15	6	15	11	70	17									

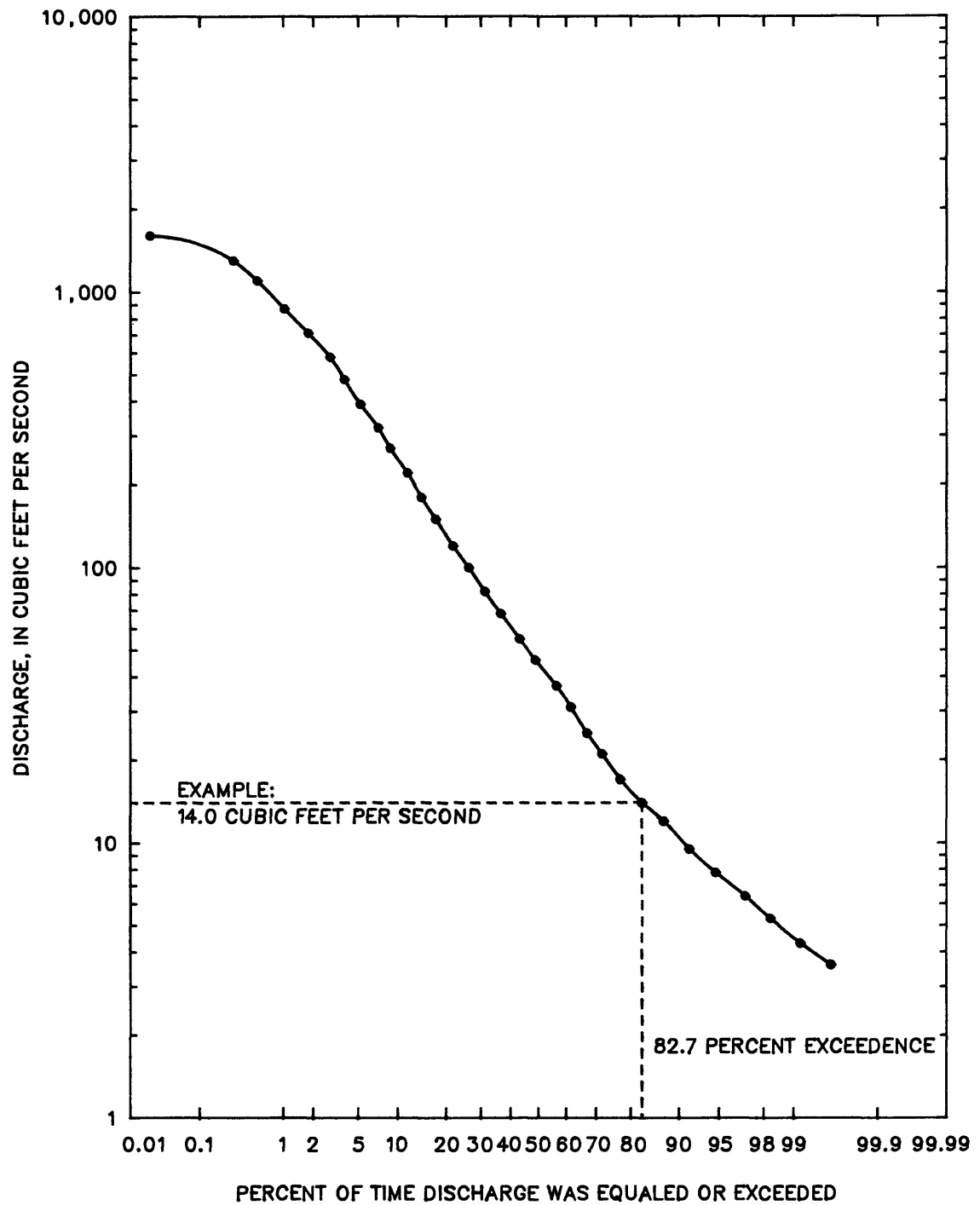


An understanding can be attained of how a table of flow-duration values can be used to analyze the flow characteristics of a particular stream by comparing the duration table of a naturally flowing stream (table 2) to that of a heavily regulated stream (table 3). The analysis of data collected throughout the entire period of record at the streamflow-gaging station on Salt Creek near Harrodsburg (table 3) indicates the effect of streamflow regulation. For the period prior to dam construction in 1964, the data are representative of a naturally flowing stream. After the dam was constructed just upstream from the streamflow-gaging station, water was stored in Monroe Lake, as indicated by the 65 daily mean discharges in class 0 during the 1964 and 1965 water years. In subsequent years, streamflow was regulated such that extremely low and extremely high discharges did not occur.

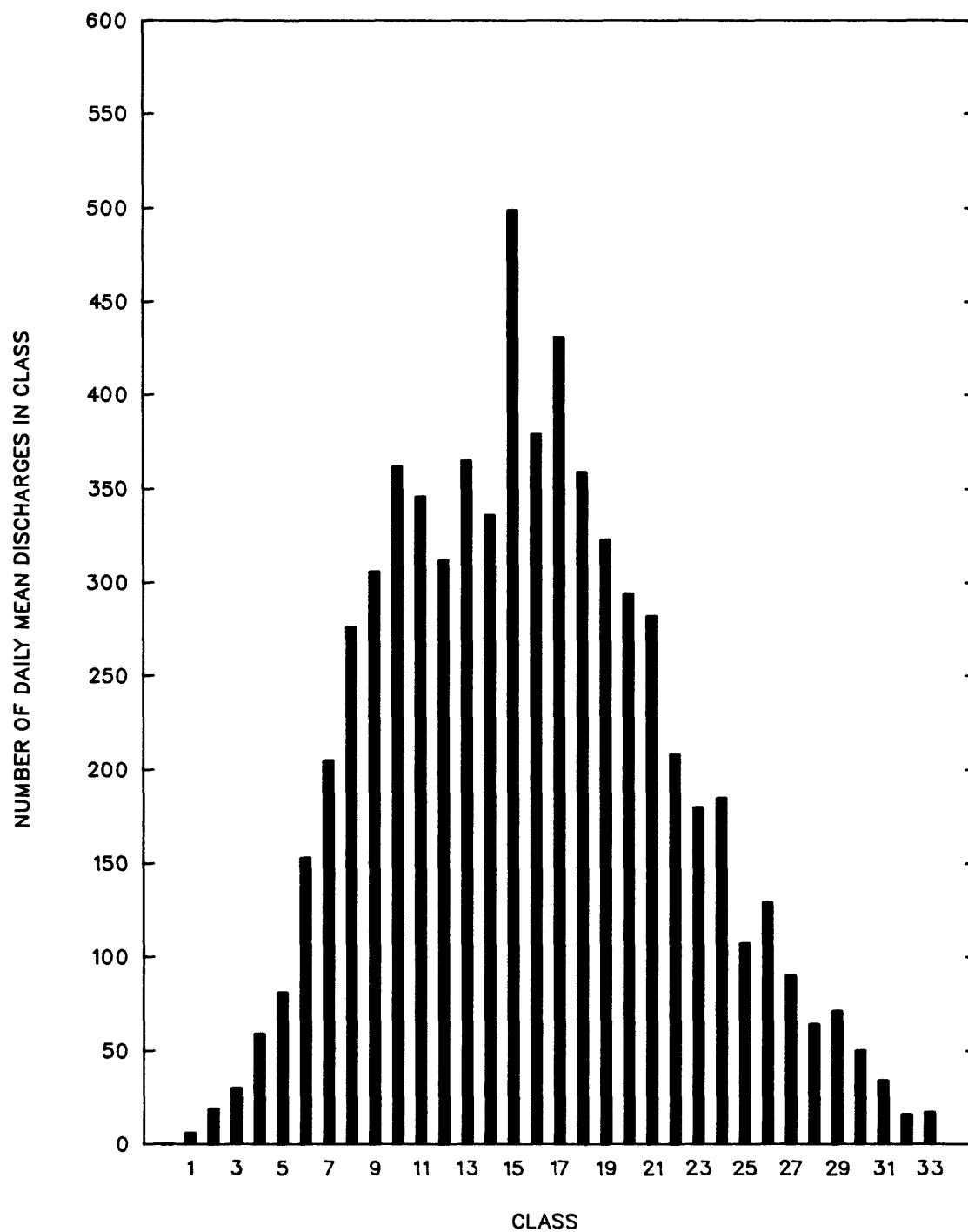
In many instances, information is more easily understood when presented in a figure than in a table. This is commonly the situation with flow-duration data. An example of a flow-duration curve is illustrated in figure 3, using data from the streamflow-gaging station on Sugar Creek at New Palestine.

A flow-duration curve is constructed from information contained in the flow-duration summary (Searcy, 1959). Values listed in part 2 of table 2 are plotted in figure 3. The percent of time of exceedence (column 5 of part 2 of table 2) is plotted on the horizontal scale and represents a Normal Probability distribution. The daily mean discharge value (column 2 of part 2 of table 2) is plotted on the vertical scale. For example,  $14.0 \text{ ft}^3/\text{s}$  is equaled or exceeded 82.7 percent of the time.

Flow-duration data can be illustrated also in the form of a histogram (fig. 4). Each vertical bar represents a class (column 1 of part 2 of table 2). The magnitude of each bar is determined by the number of days in that class (column 3 of part 2 of table 2).



**Figure 3.**—Duration curve of daily mean discharges, Sugar Creek at New Palestine, 1968–85.



**Figure 4.**—Histogram of daily mean discharges,  
Sugar Creek at New Palestine, 1968–85.

### Low Flow

The low-flow table lists the lowest mean discharge for specific numbers of consecutive days within a climatic year (April 1 through March 31). The number of consecutive days considered are 1, 3, 7, 14, 30, 60, 90, 120, and 183 days. Values in the table are ranked lowest mean discharge to highest (table 4).

As an example of how the table is prepared, consider a 7-consecutive-day period. The daily mean discharges from April 1 through April 7 are totaled, then that sum is divided by 7, which produces a 7-day mean. Next, the daily mean discharges from April 2 through April 8 are totaled, then divided by 7, to produce a mean. The values from April 3 through April 9 then are totaled and divided by 7 to produce a mean, and so on through the end of the climatic year. Finally, the 7-day means are compared and the lowest 7-day mean discharge is listed in the table for the year.

An example of a low-flow table is shown using data from the gaging station on Sugar Creek at New Palestine (table 4). By referring to the value indicated by the letter 'A' in table 4, one can see that 3.60 ft<sup>3</sup>/s is the lowest 7-day mean discharge for the 1971 climatic year (April 1, 1970, through March 31, 1971). This is the second lowest annual 7-day mean discharge for the period of record.

As a point of clarification, the 7-day, 10-year low-flow value (7Q10), which often is used for regulatory purposes, is not obtained directly from the low-flow table. This value, however, is determined by developing frequency curves that use information listed in the low-flow table (Stewart, 1983, p. 5).

Table 4.--Lowest N-consecutive-day mean discharges, ranked lowest to highest, and highest N-consecutive day mean discharges, ranked highest to lowest, Sugar Creek at New Palestine

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31										
YEAR	1	3	7	14	30	60	90	120	183	
1969	8.80 12	8.90 12	10.00 12	11.00 11	12.00 11	13.00 9	21.00 12	41.00 14	51.00 13	
1970	12.00 15	13.00 15	16.00 16	18.00 16	23.00 16	35.00 16	44.00 15	73.00 16	76.00 16	
1971	3.20 2	3.50 3	<sup>A</sup> 3.60 2	4.40 3	5.80 3	8.20 5	11.00 5	13.00 5	21.00 4	
1972	6.50 9	6.80 8	7.80 8	7.90 8	9.70 8	13.00 10	15.00 9	14.00 6	26.00 6	
1973	4.80 5	5.20 5	5.80 6	6.50 6	8.40 7	10.00 7	14.00 8	20.00 9	40.00 11	
1974	10.00 13	10.00 13	11.00 13	12.00 13	13.00 12	15.00 12	17.00 10	33.00 13	61.00 14	
1975	7.00 10	7.30 10	9.00 11	12.00 14	13.00 13	19.00 13	22.00 13	23.00 10	47.00 12	
1976	5.20 6	5.40 6	5.50 5	6.00 5	6.60 4	7.00 3	7.90 3	8.90 2	15.00 2	
1977	3.30 3	3.40 2	3.70 3	4.10 2	4.40 2	6.10 2	7.40 2	8.90 3	9.60 1	
1978	4.00 4	4.00 4	4.30 4	5.60 4	7.80 6	9.50 6	12.00 6	13.00 4	28.00 7	
1979	14.00 16	14.00 16	15.00 15	15.00 15	21.00 15	34.00 15	50.00 16	64.00 15	74.00 15	
1980	20.00 17	20.00 17	21.00 17	23.00 17	28.00 17	36.00 17	57.00 17	95.00 17	101.00 17	
1981	7.20 11	7.50 11	7.90 9	8.90 9	10.00 9	12.00 8	14.00 7	14.00 7	28.00 8	
1982	10.00 14	10.00 14	11.00 14	11.00 12	13.00 14	21.00 14	22.00 14	28.00 12	36.00 9	
1983	6.10 7	6.40 7	6.60 7	7.00 7	7.30 5	8.20 4	11.00 4	14.00 8	24.00 5	
1984	2.40 1	2.60 1	3.00 1	3.10 1	3.20 1	4.50 1	5.90 1	8.70 1	19.00 3	
1985	6.30 8	6.90 9	7.90 10	9.30 10	11.00 10	14.00 11	17.00 11	23.00 11	39.00 10	
HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30										
YEAR	1	3	7	15	30	60	90	120	183	
1968	1530.00 5	1370.00 5	1060.00 2	592.00 5	324.00 11	221.00 11	192.00 11	181.00 11	163.00 10	
1969	1560.00 2	1400.00 2	901.00 6	691.00 4	503.00 2	330.00 2	256.00 3	214.00 6	174.00 9	
1970	856.00 14	790.00 13	535.00 15	344.00 15	231.00 17	189.00 16	181.00 13	156.00 13	142.00 12	
1971	1120.00 10	981.00 10	<sup>B</sup> 808.00 8	545.00 7	400.00 5	258.00 9	197.00 10	161.00 12	129.00 14	
1972	838.00 15	736.00 15	460.00 16	382.00 13	284.00 12	199.00 14	163.00 15	141.00 15	136.00 13	
1973	1070.00 12	950.00 11	569.00 14	489.00 10	364.00 8	265.00 8	221.00 8	207.00 8	217.00 1	
1974	1480.00 7	1060.00 9	742.00 9	556.00 6	391.00 6	290.00 7	241.00 6	236.00 3	203.00 5	
1975	1430.00 8	1230.00 7	702.00 10	457.00 11	383.00 7	313.00 5	291.00 2	265.00 2	210.00 2	
1976	608.00 18	451.00 18	308.00 18	285.00 17	233.00 16	189.00 15	164.00 14	141.00 16	102.00 17	
1977	758.00 17	541.00 17	398.00 17	281.00 18	173.00 18	142.00 18	117.00 18	93.00 18	65.00 18	
1978	1520.00 6	1390.00 3	1040.00 4	783.00 1	496.00 3	308.00 6	247.00 5	213.00 7	180.00 7	
1979	1560.00 3	1340.00 6	1060.00 3	733.00 2	433.00 4	317.00 3	235.00 7	218.00 5	206.00 3	
1980	978.00 13	685.00 16	574.00 13	355.00 14	262.00 14	211.00 13	186.00 12	182.00 10	159.00 11	
1981	1250.00 9	1160.00 8	834.00 7	519.00 9	339.00 10	219.00 12	161.00 16	142.00 14	113.00 15	
1982	1550.00 4	1390.00 4	1110.00 1	722.00 3	547.00 1	403.00 1	322.00 1	271.00 1	206.00 4	
1983	1100.00 11	940.00 12	582.00 12	331.00 16	256.00 15	180.00 17	135.00 17	117.00 17	105.00 16	
1984	819.00 16	767.00 14	588.00 11	418.00 12	277.00 13	245.00 10	218.00 9	191.00 9	178.00 8	
1985	1750.00 1	1420.00 1	914.00 5	537.00 8	356.00 9	313.00 4	251.00 4	226.00 4	190.00 6	

<sup>A</sup>Example: In the 1971 climatic year, the lowest 7-day mean discharge was 3.60 ft<sup>3</sup>/s. This is the second lowest annual 7-day mean discharge for the period of record.

<sup>B</sup>Example: In the 1971 water year, the highest 7-day mean discharge was 808 ft<sup>3</sup>/s. This is the eighth highest annual 7-day mean discharge for the period of record.

### High Flow

The high-flow table is developed in a manner very similar to the low-flow table. It is a list of highest mean discharges for specific numbers of consecutive days within a water year (October 1 through September 30). The consecutive-day periods considered are 1, 3, 7, 15, 30, 60, 90, 120, and 183 days. Values listed in the table are ranked from highest mean discharge to lowest (table 4).

An example of a high-flow table is shown using data from the gaging station on Sugar Creek at New Palestine (table 4). By referring to the value indicated by the letter 'B' in table 4, one can see that 808 ft<sup>3</sup>/s is the highest 7-day mean discharge for the 1971 water year (October 1, 1970, through September 30, 1971). This is the eighth highest annual 7-day mean discharge for the period of record.

As a point of clarification, the 1-day mean discharge contained in the high-flow table should not be confused with the annual maximum instantaneous discharge. In this report, the maximum instantaneous discharge at each streamflow-gaging station for the period of record can be found in the manuscript that precedes the statistical tables for each station.

### Annual Mean Discharge

Annual mean discharge is calculated by summing all daily mean discharge values in a year, then dividing that sum by the number of days in the year. The annual mean discharge table (table 5) consists of two sections. The left half of the table lists the annual means by climatic year (April 1 through March 31) and ranks these values lowest discharge to highest. The right half of the table lists the annual means by water year (October 1 through September 30) and ranks these values highest discharge to lowest.

An example of an annual mean discharge table is shown using data from the gaging station on Sugar Creek at New Palestine (table 5). By referring to the value designated by the letter 'A' in table 5, one finds that 42 ft<sup>3</sup>/s was the lowest climatic annual mean discharge for the period of record. This occurred in the 1977 climatic year (April 1, 1976, through March 31, 1977). The value indicated by the letter 'B' indicates that 128 ft<sup>3</sup>/s was the fourth highest annual mean discharge. This occurred during the 1978 water year (October 1, 1977, through September 30, 1978).

Table 5.—Climatic-year annual mean discharges, ranked lowest to highest, and water year annual mean discharges, ranked highest to lowest, Sugar Creek at New Palestine

ANNUAL VALUES			
ANNUAL MEAN DISCHARGE AND RANKING IN YEAR ENDING MARCH 31		ANNUAL MEAN DISCHARGE AND RANKING IN YEAR ENDING SEPTEMBER 30	
1969	122.00 11	1968	102.00 11
1970	119.00 10	1969	131.00 3
1971	83.00 6	1970	89.00 12
1972	60.00 3	1971	74.00 14
1973	135.00 14	1972	80.00 13
1974	131.00 13	1973	150.00 1
1975	136.00 15	1974	123.00 5
1976	75.00 5	1975	117.00 7
1977	<sup>A</sup> 42.00 1	1976	68.00 15
1978	92.00 7	1977	38.00 18
1979	129.00 12	1978	<sup>B</sup> 128.00 4
1980	140.00 16	1979	150.00 2
1981	68.00 4	1980	119.00 6
1982	140.00 17	1981	67.00 16
1983	52.00 2	1982	115.00 8
1984	102.00 8	1983	59.00 17
1985	114.00 9	1984	105.00 10
		1985	111.00 9

<sup>A</sup>Example: The annual mean discharge for the 1977 climatic year was 42 ft<sup>3</sup>/s. This is the lowest annual mean discharge for the period of record.

<sup>B</sup>Example: The annual mean discharge for the 1978 water year was 128 ft<sup>3</sup>/s. This is the fourth highest annual mean discharge for the period of record.

### Monthly Mean Discharge

Monthly mean discharge is calculated by summing all daily mean discharges within a given month, and dividing that sum by the number of days in that month. An example of a monthly mean discharge table is shown using data from the gaging station on Sugar Creek at New Palestine (table 6). Values are arranged vertically by water year and horizontally by month.

The 25th, 50th (median), and 75th percentiles of the monthly mean discharges are given beneath the monthly means part of table 6. These values are defined as follows: For a given station, in the set of all monthly mean discharges for the period of record for a particular month, the 25th percentile is that value of which 25 percent of the members of that set are less than that value and 75 percent of the members of that set are greater than that value. Likewise, the median is that value of which 50 percent of the members are less than that value and the other 50 percent are greater than that value. And, finally, the 75th percentile is that value of which 75 percent of the members of that set of monthly mean discharges are less than that value and 25 percent are greater than that value.

As an example of how these statistics are determined for a particular station, select a month and rank the monthly mean discharges from lowest to highest. Consider each of these ranked discharges as a member of the set. To define the positions in that set that correspond to our selected percentiles, use the following equations (Price, 1981, p. F-8):

$$\text{25th percentile position} = (N+1)/4$$

$$\text{Median position} = 2(N+1)/4$$

$$\text{75th percentile position} = 3(N+1)/4$$

where N is equal to the number of members in that set.

The ranking process is summarized in table 7 using the data from Sugar Creek at New Palestine that are provided in table 6. As an example, determine the selected percentile values for the month of March.

For March, the set of monthly mean discharges has 18 members. The lowest discharge is 35 ft<sup>3</sup>/s and the highest is 413 ft<sup>3</sup>/s. The 25th percentile position equals  $(18+1)/4 = 4.75$ . By inspecting the set, one finds the 4th member (4th ranked position) equals 77.2 ft<sup>3</sup>/s, and the 5th member equals 119 ft<sup>3</sup>/s. Therefore, by linear interpolation, the 4.75th position would equal 109 ft<sup>3</sup>/s.

The median position equals  $2(18+1)/4 = 9.5$ . The 9th member of the set equals 149 ft<sup>3</sup>/s. The 10th member equals 153 ft<sup>3</sup>/s. Therefore, by interpolation, the 9.5th member would equal 151 ft<sup>3</sup>/s.

The 75th percentile position equals  $3(18+1)/4 = 14.25$ . The 14th member equals 253 ft<sup>3</sup>/s. The 15th member equals 304 ft<sup>3</sup>/s. Therefore, by interpolation, the 14.25th position would equal 266 ft<sup>3</sup>/s.



Table 6.—Monthly mean discharges, and twenty-fifth, fiftieth, and seventy-fifth percentiles of monthly mean discharges,  
Sugar Creek at New Palestine

NORMAL MONTHLY MEANS (ALL DAYS)												
YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	8.71	12.90	175.00	107.00	247.00	77.20	180.00	184.00	82.30	23.30	110.00	16.40
1969	12.30	75.70	160.00	345.00	234.00	46.60	166.00	68.40	117.00	241.00	71.60	35.80
1970	61.90	163.00	77.50	118.00	161.00	149.00	174.00	58.20	34.50	43.60	22.70	7.39
1971	9.57	17.40	48.90	74.30	402.00	132.00	30.00	71.40	85.10	21.00	10.50	15.80
1972	18.40	12.10	181.00	101.00	46.90	119.00	279.00	83.80	75.30	18.80	9.57	20.80
1973	31.50	328.00	194.00	138.00	127.00	314.00	204.00	59.40	232.00	89.50	70.70	16.10
1974	13.20	80.20	219.00	318.00	119.00	153.00	187.00	104.00	202.00	31.90	20.80	28.50
1975	18.40	42.70	143.00	289.00	346.00	243.00	188.00	65.50	51.90	14.90	7.97	6.79
1976	9.90	13.60	71.70	145.00	197.00	138.00	35.10	23.40	58.10	97.40	24.90	6.18
1977	12.70	10.70	9.11	5.35	90.30	131.00	98.80	46.80	11.50	9.21	17.10	14.70
1978	91.80	36.10	268.00	48.60	35.70	413.00	166.00	138.00	80.30	67.00	136.00	43.90
1979	43.80	72.90	145.00	168.00	191.00	304.00	197.00	41.90	45.80	236.00	306.00	40.50
1980	34.40	193.00	169.00	90.20	86.10	232.00	151.00	105.00	191.00	33.50	123.00	21.10
1981	10.60	14.70	17.10	13.70	103.00	35.00	65.20	320.00	86.20	62.30	43.90	32.40
1982	21.70	26.20	68.30	219.00	439.00	308.00	94.90	61.60	103.00	28.30	23.60	8.89
1983	7.98	19.60	114.00	51.80	65.90	51.60	154.00	193.00	22.10	18.70	6.49	3.42
1984	13.10	125.00	221.00	49.20	168.00	253.00	227.00	109.00	29.80	38.40	15.70	17.70
1985	22.50	130.00	179.00	116.00	285.00	209.00	205.00	109.00	42.60	19.10	24.30	9.50
	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE												
	10.40	14.40	70.80	51.10	89.20	109.00						
FIFTIETH PERCENTILE												
	15.80	39.40	153.00	112.00	165.00	151.00						
SEVENTY FIFTH PERCENTILE												
	32.20	126.00	184.00	181.00	257.00	266.00						
	APRIL	MAY	JUNE	JULY	AUG	SEPT						
TWENTY FIFTH PERCENTILE												
	97.80	59.10	40.60	19.00	14.40	8.51						
FIFTIETH PERCENTILE												
	170.00	77.60	77.80	32.70	23.90	16.19						
SEVENTY FIFTH PERCENTILE												
	199.00	116.00	107.00	72.60	81.20	29.50						

Table 7.--Ranked monthly mean discharges, Sugar Creek at New Palestine

OCT	NOV	DEC	JAN	FEB	MARCH
7.98 1983	10.70 1977	9.11 1977	5.35 1977	35.70 1978	35.00 1981
8.71 1968	12.10 1972	17.10 1981	13.70 1981	46.90 1972	46.60 1969
9.57 1971	12.90 1968	48.90 1971	48.60 1978	65.90 1983	51.60 1983
9.90 1976	13.60 1976	68.30 1982	49.20 1984	86.10 1980	77.20 1968
10.60 1981	14.70 1981	71.70 1976	51.80 1983	90.30 1977	119.00 1972
12.30 1969	17.39 1971	77.50 1970	74.30 1971	103.00 1981	131.00 1977
12.70 1977	19.60 1983	114.00 1983	90.20 1980	119.00 1974	132.00 1971
13.10 1984	26.20 1982	143.00 1975	101.00 1972	127.00 1973	138.00 1976
13.20 1974	36.10 1978	145.00 1979	107.00 1968	161.00 1970	149.00 1970
18.39 1975	42.70 1975	160.00 1969	116.00 1985	168.00 1984	153.00 1974
18.39 1972	72.90 1979	169.00 1980	118.00 1970	191.00 1979	209.00 1985
21.69 1982	75.70 1969	175.00 1968	138.00 1973	197.00 1976	232.00 1980
22.50 1985	80.20 1974	179.00 1985	145.00 1976	234.00 1969	243.00 1975
31.50 1973	125.00 1984	181.00 1972	168.00 1979	247.00 1968	253.00 1984
34.40 1980	130.00 1985	194.00 1973	219.00 1982	285.00 1985	304.00 1979
43.80 1979	163.00 1970	219.00 1974	289.00 1975	346.00 1975	308.00 1982
61.90 1970	193.00 1980	221.00 1984	318.00 1974	402.00 1971	314.00 1973
91.80 1978	328.00 1973	268.00 1978	345.00 1969	439.00 1982	413.00 1978
APRIL	MAY	JUNE	JULY	AUG	SEPT
30.00 1971	23.40 1976	11.50 1977	9.21 1977	6.49 1983	3.42 1983
35.10 1976	41.90 1979	22.10 1983	14.90 1975	7.97 1975	6.18 1976
65.20 1981	46.80 1977	29.80 1984	18.69 1983	9.57 1972	6.79 1975
94.90 1982	58.20 1970	34.50 1970	18.80 1972	10.50 1971	7.39 1970
98.80 1977	59.40 1973	42.60 1985	19.10 1985	15.70 1984	8.89 1982
151.00 1980	61.60 1982	45.80 1979	21.00 1971	17.10 1977	9.50 1985
154.00 1983	65.50 1975	51.90 1975	23.30 1968	20.80 1974	14.70 1977
166.00 1969	68.40 1969	58.10 1976	28.30 1982	22.69 1970	15.80 1971
166.00 1978	71.40 1971	75.30 1972	31.90 1974	23.60 1982	16.10 1973
174.00 1970	83.80 1972	80.30 1978	33.50 1980	24.30 1985	16.39 1968
180.00 1968	104.00 1974	82.30 1968	38.40 1984	24.90 1976	17.69 1984
187.00 1974	105.00 1980	85.10 1971	43.60 1970	43.90 1981	20.80 1972
188.00 1975	109.00 1984	86.20 1981	62.30 1981	70.70 1973	21.10 1980
197.00 1979	109.00 1985	103.00 1982	67.00 1978	71.60 1969	28.50 1974
204.00 1973	138.00 1978	117.00 1969	89.50 1973	110.00 1968	32.40 1981
205.00 1985	184.00 1968	191.00 1980	97.40 1976	123.00 1980	35.80 1969
227.00 1984	193.00 1983	202.00 1974	236.00 1979	136.00 1978	40.50 1979
279.00 1972	320.00 1981	232.00 1973	241.00 1969	306.00 1979	43.90 1978

## SUMMARY

Statistical analyses of daily mean discharges collected at 229 Indiana streamflow-gaging stations are presented in this report. Discussions of the use of these statistical summaries are also presented. Summaries include flow-duration, high-flow, and low-flow tables, and monthly and annual mean discharges.

## REFERENCES CITED

- Buchanan, T.J., and Somers, W.P., 1969, Discharge measurements at gaging stations: U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chap. A8, 65 p.
- Doggett, Denzil, 1952, Compilation of stream flow records for Indiana: Indiana Dept. of Conservation, Division of Water Resources Bulletin no. 6, 201 p.
- Horner, R.G., 1976, Statistical summaries of Indiana streamflow data: U.S. Geological Survey Water-Resources Investigations Report 75-35, 526 p.
- Kennedy, E.J., 1983, Computation of continuous records of streamflow: U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chap. A13, 53 p.
- \_\_\_\_\_, 1984, Discharge ratings at gaging stations: U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chap. A10, 59 p.
- Price, W.E., Jr., 1981, WATSTORE user's guide: U.S. Geological Survey, v. 1, section F, 46 p.
- Riggs, H.C., 1968, Some statistical tools in hydrology: U.S. Geological Survey Techniques of Water-Resources Investigations, book 4, chap. A1, 39 p.
- Searcy, J.K., 1959, Flow-duration curves: U.S. Geological Survey Water-Supply Paper 1542-A, 33 p.
- Stewart, J.A., 1983, Low-flow characteristics of Indiana streams: U.S. Geological Survey Open-File Report 82-1007, 277 p.
- Stewart, J.A., Miller, R.L., and Butch G.K., 1986, Cost effectiveness of the U.S. Geological Survey stream-gaging program in Indiana: U.S. Geological Survey Water-Resources Investigation Report 85-4343, 92 p.

## HYDROLOGIC INFORMATION

## 03274650 WHITWATER RIVER NEAR ECONOMY, IN

LOCATION.--Lat 40°00'05", long 85°06'56", in NW¼NE¼ sec.19, T.18 N., R.13 E., Wayne County, Hydrologic Unit 05080003, on right bank 6 ft downstream from bridge on Wayne County Line Road, 1.7 mi upstream from Little Creek, 2.4 mi northwest of Economy, and at mile 91.9.

DRAINAGE AREA.--10.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 1,066.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 11.0 ft<sup>3</sup>/s, 14.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,100 ft<sup>3</sup>/s Aug. 20, 1979, gage height, 8.85 ft; minimum daily, 0.28 ft<sup>3</sup>/s Jan. 17, 1977.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971				18	68	51	30	16	16	23	12	26	14	13	18	9	7	11	5	5	3	4	2	4	1	4		3	1		1				
1972			18	36	10	4	24	15	19	12	11	18	21	32	34	23	15	13	7	11	10	6	11	5	3	4	2	2							
1973					5	11	19	11	17	13	26	27	30	22	17	22	26	20	24	21	14	15	3	3	7	5	2	1	2	2					
1974					13	53	27	28	9	13	21	21	29	29	28	22	13	6	6	8	7	9	5	6	4	4	3	1							
1975				12	9	28	39	22	24	10	8	7	9	14	20	20	31	13	20	17	13	10	12	7	3	2	5	5	1	1	2			1	
1976				10	22	18	10	10	27	44	33	22	19	23	18	21	17	19	7	7	8	7	4	6	3	1	4	2	2		2				
1977	28	19	69	62	47	15	16	14	10	5	14	11	12	10	9	5	3	3	2	2		2	4	1	1					1					
1978						4	13	36	39	51	32	39	22	19	17	17	12	9	8	8	4	3	12	8	2	3	2	2	1	2					
1979					4	8	1	13	13	30	36	41	41	34	31	19	13	10	9	9	8	8	9	10	3	4	2	2	3	3	1				
1980				3	9	8	5	7	21	63	46	27	29	25	15	25	13	16	7	10	9	9	6	1	1	5	3	2	1						
1981				1	16	54	39	12	23	13	20	38	30	18	13	14	12	16	9	8	1	9	6	4	5	1	1	1		1					
1982				4	17	25	49	16	30	19	20	17	11	19	21	15	12	14	10	16	9	12	4	5	4	4	3	4	3	1	1				
1983			3	29	48	14	13	9	17	15	26	33	31	31	20	15	19	6	7	6	6	5	1	5	2	2			2						
1984			3	9	27	13	39	15	17	11	22	24	19	11	19	17	30	11	4	9	10	9	12	5	4		4	1			1	1			
1985				3	9	13	24	26	27	13	28	32	24	24	25	25	18	9	7	10	7	9	5	6	6		5	4	2			1	2		1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	3.3	350	2855	52.11	24	48.0	69	261	4.76
1	0.28	28	5479	100.00	13	4.1	360	2505	45.72	25	60.0	49	192	3.50
2	0.35	43	5451	99.49	14	5.1	349	2145	39.15	26	75.0	41	143	2.61
3	0.44	191	5408	98.70	15	6.4	298	1796	32.78	27	94.0	40	102	1.86
4	0.55	288	5217	95.22	16	8.0	255	1498	27.34	28	120.0	23	62	1.13
5	0.69	283	4929	89.96	17	10.0	230	1243	22.69	29	150.0	11	39	0.71
6	0.86	353	4646	84.80	18	13.0	156	1013	18.49	30	180.0	14	28	0.51
7	1.1	215	4293	78.35	19	16.0	147	857	15.64	31	230.0	9	14	0.26
8	1.3	280	4078	74.43	20	20.0	124	710	12.96	32	290.0	3	5	0.09
9	1.7	246	3798	69.32	21	25.0	127	586	10.70	33	360.0	1	2	0.04
10	2.1	288	3552	64.83	22	31.0	100	459	8.38	34	450.0	1	1	0.02
11	2.6	409	3264	59.57	23	38.0	98	359	6.55					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.56  
P90 = 0.69  
P75 = 1.3  
P70 = 1.6  
P50 = 3.6  
P25 = 9.0  
P10 = 26.8

## 03274650 WHITEWATER RIVER NEAR ECONOMY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.35 2	0.36 2	0.38 2	0.38 2	0.43 2	0.50 2	0.55 2	0.56 2	0.81 2
1973	0.82 12	0.83 12	0.86 12	0.90 12	1.00 12	1.60 12	2.70 12	4.10 12	7.10 13
1974	0.75 11	0.77 11	0.81 11	0.88 11	0.93 11	1.00 10	1.10 9	1.60 9	4.70 11
1975	0.44 5	0.47 5	0.50 5	0.55 5	0.72 7	0.81 7	0.88 7	0.95 7	2.20 7
1976	0.49 6	0.51 6	0.57 8	0.64 8	0.82 9	1.10 11	1.19 10	1.80 11	2.60 8
1977	0.28 1	0.29 1	0.30 1	0.32 1	0.33 1	0.40 1	0.45 1	0.49 1	0.54 1
1978	0.43 4	0.44 4	0.46 4	0.48 4	0.53 4	0.65 5	0.68 4	0.79 3	1.70 5
1979	0.88 13	0.90 13	1.00 13	1.10 13	1.40 13	2.40 13	3.20 13	6.20 13	6.30 12
1980	2.30 14	2.50 14	2.90 14	3.20 14	3.40 14	4.60 14	8.30 14	15.00 14	14.00 14
1981	0.54 9	0.57 9	0.61 9	0.66 9	0.75 8	0.77 6	0.84 6	0.88 5	1.30 3
1982	0.70 10	0.73 10	0.77 10	0.78 10	0.87 10	0.96 9	1.30 11	1.70 10	3.80 10
1983	0.50 7	0.54 8	0.54 6	0.56 6	0.57 5	0.58 4	0.64 3	0.80 4	1.40 4
1984	0.40 3	0.41 3	0.43 3	0.46 3	0.48 3	0.56 3	0.74 5	0.90 6	2.10 6
1985	0.50 8	0.52 7	0.54 7	0.61 7	0.68 6	0.82 8	0.99 8	1.50 8	2.70 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	185.00 9	110.00 9	100.00 6	60.00 7	39.00 8	25.00 11	18.00 12	16.00 11	12.00 13
1972	138.00 15	75.00 15	51.00 13	38.00 13	27.00 14	21.00 12	17.00 13	15.00 12	13.00 11
1973	253.00 5	146.00 5	91.00 8	83.00 2	53.00 5	40.00 5	32.00 5	27.00 4	29.00 1
1974	145.00 13	108.00 10	82.00 9	58.00 8	33.00 11	27.00 10	27.00 8	23.00 9	17.00 9
1975	449.00 2	241.00 2	128.00 3	79.00 4	56.00 3	43.00 4	37.00 1	35.00 1	26.00 3
1976	213.00 7	134.00 6	77.00 11	57.00 9	45.00 7	32.00 8	27.00 9	23.00 10	16.00 10
1977	171.00 11	90.00 13	47.00 14	30.00 15	18.00 15	15.00 15	11.00 15	8.70 15	5.90 15
1978	266.00 4	167.00 4	124.00 4	79.00 5	49.00 6	34.00 6	29.00 6	24.00 7	22.00 5
1979	304.00 3	226.00 3	136.00 2	81.00 3	70.00 1	47.00 2	34.00 3	27.00 5	27.00 2
1980	185.00 10	115.00 8	98.00 7	55.00 11	37.00 10	28.00 9	21.00 10	24.00 6	20.00 7
1981	168.00 12	81.00 14	44.00 15	40.00 12	31.00 12	21.00 13	18.00 11	15.00 13	12.00 12
1982	202.00 8	107.00 11	100.00 5	66.00 6	55.00 4	43.00 3	34.00 4	28.00 3	21.00 6
1983	144.00 14	97.00 12	59.00 12	36.00 14	30.00 13	20.00 14	15.00 14	13.00 14	11.00 14
1984	249.00 6	123.00 7	81.00 10	57.00 10	38.00 9	32.00 7	27.00 7	23.00 8	19.00 8
1985	569.00 1	379.00 1	207.00 1	114.00 1	68.00 2	49.00 1	37.00 2	32.00 2	24.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	4.90 3
1973	18.00 13
1974	13.00 9
1975	13.00 10
1976	12.00 7
1977	3.30 1
1978	10.00 5
1979	13.00 8
1980	21.00 14
1981	5.40 4
1982	14.00 11
1983	4.80 2
1984	11.00 6
1985	15.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	6.30 13
1972	8.60 11
1973	19.00 1
1974	9.90 9
1975	14.00 4
1976	9.60 10
1977	3.30 15
1978	14.00 5
1979	19.00 2
1980	13.00 6
1981	7.00 12
1982	11.00 7
1983	6.10 14
1984	11.00 8
1985	14.00 3

## GREAT MIAMI RIVER BASIN

03274650 WHITEWATER RIVER NEAR ECONOMY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	0.78	0.74	2.52	4.76	40.20	11.70	2.96	8.67	3.66	0.89	0.56	0.72
1972	0.56	0.45	12.00	9.25	4.92	14.10	26.90	9.94	9.34	2.43	2.14	10.90
1973	7.85	53.00	28.10	13.80	11.40	41.40	27.10	6.39	22.40	9.35	2.37	1.23
1974	1.03	5.79	9.47	30.90	16.20	18.80	19.90	4.82	7.39	2.47	1.22	0.98
1975	0.76	0.97	11.00	33.00	49.40	30.20	27.00	8.44	7.54	1.97	1.32	1.13
1976	3.29	3.30	15.80	22.80	33.90	17.30	4.31	2.45	6.79	4.21	0.92	0.57
1977	0.58	0.58	0.51	0.33	7.04	11.40	13.60	2.35	1.03	0.57	0.73	0.87
1978	4.86	3.68	39.70	6.56	3.31	41.60	22.70	18.80	4.13	2.86	14.30	4.78
1979	4.86	6.73	15.80	13.40	17.70	32.20	23.10	5.35	9.82	27.50	61.50	6.59
1980	3.41	28.90	20.10	10.70	14.40	34.50	11.50	4.90	21.60	2.98	3.61	1.30
1981	0.77	0.78	1.17	0.85	14.60	2.58	5.20	25.10	15.00	11.80	3.93	2.75
1982	1.72	0.96	3.85	22.80	38.10	37.90	13.70	8.32	4.91	1.67	1.16	0.64
1983	0.57	1.33	8.38	4.88	7.62	4.28	20.20	19.40	3.27	2.37	0.84	0.51
1984	1.05	11.60	19.60	3.06	17.70	31.80	30.80	9.75	2.77	2.42	0.90	0.90
1985	1.98	9.14	20.30	10.80	56.00	33.20	15.50	12.50	5.04	1.36	1.07	0.83

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.76	0.78	3.85	4.76	7.62	11.70
FIFTIETH PERCENTILE					
1.05	3.30	12.00	10.70	16.19	30.20
SEVENTY FIFTH PERCENTILE					
3.41	9.14	20.10	22.80	38.10	34.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
11.50	4.90	3.66	1.67	0.90	0.72
FIFTIETH PERCENTILE					
19.90	8.44	6.79	2.43	1.22	0.98
SEVENTY FIFTH PERCENTILE					
26.90	12.50	9.82	4.21	3.61	2.75

## 03274750 WHITEWATER RIVER NEAR HAGERSTOWN, IN

LOCATION.--Lat 39°52'25", long 85°09'47", in NE¼NE¼ sec.3, T.16 N., R.12 E., Wayne County, Hydrologic Unit 05080003, on left bank at downstream side of bridge on Jerry Meyers Road, 1.0 mi upstream from Pronghorn Run, 1.5 mi north of Interstate 70, 2.0 mi downstream from Mettle Creek, 2.6 mi south of Hagerstown, and at mile 84.9.

DRAINAGE AREA.--58.7 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

AVERAGE DISCHARGE.--15 years, 68.1 ft<sup>3</sup>/s, 15.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,300 ft<sup>3</sup>/s Jan. 26, 1976, gage height, 10.89 ft; maximum gage height, 11.24 ft Aug. 1, 1979; minimum daily discharge, 5.3 ft<sup>3</sup>/s Aug. 5, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971						15	26	56	54	52	37	28	19	24	10	11	5	6	2	2	5	2	1	2		1	2		3	1		1			
1972						2	33	63	24	28	17	22	39	33	22	16	16	14	8	7	6	3	2	3	2	1	1	1	2	1					
1973							6	35	14	13	20	16	31	44	27	34	23	23	15	18	13	8	5	3	1	5	5	2	1	1	2				
1974							34	50	42	21	15	31	17	42	30	22	10	9	10	7	4	3	4	2	7	1	2		1	1					
1975						7	16	37	41	28	16	17	8	14	29	36	22	18	18	12	14	7	5	3	4	1	3	2		1	4		1	1	
1976						15	18	15	39	42	35	25	34	29	20	12	16	14	11	7	5	7	5	2	2	4	1	3	1	2	1			1	
1977	9	17	39	45	75	46	27	8	10	12	24	19	7	8	2	4	3	1	2	1				4	1						1				
1978						5	9	11	4	28	55	45	29	26	28	30	13	17	12	8	8	4	7	6	5	4	1	3	1	4		1		1	
1979							1	14	25	27	33	50	48	47	25	13	13	7	11	6	6	4	7	7	4	1	6	2	2	2	4				
1980							9	25	21	45	57	36	40	31	21	18	13	12	7		6	4	4	2	5	2		2	5	1					
1981						12	14	15	42	66	43	28	27	25	16	20	15	11	3	9	4	4	4		3	1	1				2				
1982						1	17	72	25	33	19	27	16	10	31	22	14	12	18	13	8	3	6	3	2	2	2	4	1	2		1	1		
1983						5	17	12	8	42	19	17	26	39	41	37	31	17	15	9	5	6	6	3	2	2	2	1	1	2					
1984						1	2	6	21	18	26	28	19	20	31	20	31	16	31	23	14	15	9	10	7	6	4	2	3		1		2		
1985							3	17	25	20	29	34	35	37	30	32	26	14	11	14	7	8	5	4	2	1	3	3	1		1	1	1		1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5479	100.00	12	36.0	415	2749	50.17	24	290.0	38	199	3.63
1	5.3	9	5479	100.00	13	43.0	376	2334	42.60	25	340.0	38	161	2.94
2	6.3	23	5470	99.84	14	51.0	399	1958	35.74	26	410.0	28	123	2.24
3	7.5	58	5447	99.42	15	60.0	355	1559	28.45	27	490.0	21	95	1.73
4	8.9	90	5389	98.36	16	72.0	247	1204	21.97	28	580.0	21	74	1.35
5	11.0	169	5299	96.71	17	85.0	178	957	17.47	29	690.0	22	53	0.97
6	13.0	254	5130	93.63	18	100.0	168	779	14.22	30	820.0	13	31	0.57
7	15.0	457	4876	88.99	19	120.0	119	611	11.15	31	970.0	8	18	0.33
8	18.0	424	4419	80.65	20	140.0	114	492	8.98	32	1200.0	7	10	0.18
9	21.0	426	3995	72.91	21	170.0	72	378	6.90	33	1400.0	1	3	0.05
10	25.0	382	3569	65.14	22	200.0	56	306	5.58	34	1600.0	2	2	0.04
11	30.0	438	3187	58.17	23	240.0	51	250	4.56					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 12.1  
P90 = 14.6  
P75 = 20.2  
P70 = 22.5  
P50 = 36.2  
P25 = 66.4  
P10 = 131.0



## GREAT MIAMI RIVER BASIN

03274750 WHITEWATER RIVER NEAR HAGERSTOWN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	11.00 6	11.00 6	12.00 6	12.00 6	14.00 6	15.00 6	15.00 4	15.00 4	19.00 3
1973	12.00 9	12.00 7	13.00 9	14.00 10	14.00 7	17.00 10	23.00 12	26.00 12	38.00 12
1974	16.00 12	16.00 12	16.00 12	16.00 12	17.00 12	18.00 11	18.00 9	22.00 10	37.00 11
1975	13.00 10	13.00 11	15.00 11	15.00 11	16.00 11	18.00 12	19.00 11	20.00 9	29.00 10
1976	11.00 7	12.00 8	12.00 7	13.00 7	14.00 8	16.00 7	18.00 10	19.00 8	23.00 4
1977	6.80 2	7.00 2	7.20 2	7.70 2	8.10 2	9.50 1	10.00 1	11.00 1	11.00 1
1978	5.30 1	5.60 1	5.90 1	6.30 1	7.40 1	10.00 3	11.00 2	12.00 2	18.00 2
1979	20.00 13	21.00 13	22.00 13	22.00 13	25.00 13	31.00 13	37.00 13	44.00 13	47.00 13
1980	29.00 14	29.00 14	31.00 14	31.00 14	37.00 14	45.00 14	69.00 14	96.00 14	88.00 14
1981	9.00 4	9.30 4	9.70 4	10.00 4	11.00 4	14.00 4	15.00 5	16.00 5	24.00 7
1982	12.00 8	13.00 9	14.00 10	14.00 8	15.00 10	16.00 8	16.00 6	18.00 6	26.00 8
1983	13.00 11	13.00 10	13.00 8	14.00 9	14.00 9	14.00 5	16.00 7	19.00 7	23.00 5
1984	7.40 3	7.50 3	7.70 3	7.90 3	8.30 3	9.80 2	12.00 3	14.00 3	24.00 6
1985	11.00 5	11.00 5	12.00 5	12.00 5	13.00 5	16.00 9	18.00 8	23.00 11	29.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	1050.00 8	586.00 9	479.00 7	287.00 7	214.00 8	138.00 11	106.00 12	93.00 12	74.00 12
1972	789.00 13	406.00 14	314.00 13	276.00 10	195.00 9	136.00 12	114.00 11	98.00 11	84.00 11
1973	1180.00 7	703.00 6	435.00 8	352.00 4	247.00 5	197.00 4	157.00 5	139.00 4	152.00 2
1974	869.00 10	544.00 10	401.00 9	277.00 9	173.00 12	142.00 10	149.00 7	132.00 7	107.00 8
1975	1880.00 1	1000.00 2	546.00 4	348.00 5	274.00 3	225.00 3	209.00 2	192.00 1	150.00 3
1976	1290.00 6	610.00 7	349.00 10	274.00 11	234.00 6	176.00 7	147.00 8	126.00 9	92.00 10
1977	856.00 11	438.00 13	237.00 15	144.00 15	91.00 15	85.00 15	66.00 15	54.00 15	39.00 15
1978	1520.00 3	836.00 3	583.00 3	402.00 2	257.00 4	183.00 6	159.00 4	134.00 6	124.00 5
1979	1380.00 4	836.00 4	670.00 1	494.00 1	390.00 1	280.00 1	210.00 1	172.00 2	165.00 1
1980	827.00 12	601.00 8	493.00 6	286.00 8	181.00 10	152.00 9	120.00 10	131.00 8	114.00 6
1981	700.00 14	379.00 15	243.00 14	176.00 14	140.00 14	103.00 14	83.00 14	78.00 14	67.00 14
1982	1310.00 5	710.00 5	529.00 5	347.00 6	276.00 2	228.00 2	189.00 3	160.00 3	125.00 4
1983	664.00 15	505.00 12	318.00 12	203.00 13	170.00 13	121.00 13	94.00 13	79.00 13	69.00 13
1984	947.00 9	507.00 11	325.00 11	240.00 12	181.00 11	163.00 8	134.00 9	120.00 10	103.00 9
1985	1640.00 2	1090.00 1	603.00 2	357.00 3	232.00 7	191.00 5	155.00 6	135.00 5	113.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	38.00 2
1973	97.00 13
1974	76.00 8
1975	84.00 12
1976	75.00 7
1977	27.00 1
1978	61.00 5
1979	83.00 11
1980	125.00 14
1981	44.00 4
1982	78.00 10
1983	41.00 3
1984	63.00 6
1985	77.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	46.00 12
1972	55.00 11
1973	102.00 2
1974	67.00 8
1975	87.00 3
1976	59.00 10
1977	25.00 15
1978	85.00 4
1979	117.00 1
1980	83.00 5
1981	43.00 14
1982	73.00 6
1983	44.00 13
1984	65.00 9
1985	71.00 7

03274750 WHITWATER RIVER NEAR HAGERSTOWN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	17.00	17.60	25.40	41.40	221.00	64.50	28.00	62.60	41.10	20.30	14.40	16.40
1972	15.70	15.60	65.80	53.50	36.60	81.90	189.00	71.30	52.70	25.60	19.30	28.70
1973	31.00	230.00	147.00	82.70	68.70	224.00	161.00	62.30	103.00	70.90	29.10	18.30
1974	17.50	29.20	60.20	156.00	93.50	109.00	140.00	55.20	65.40	38.20	21.10	20.90
1975	16.80	21.50	60.80	170.00	233.00	177.00	177.00	81.80	52.70	26.40	19.50	15.70
1976	21.00	20.90	76.70	126.00	182.00	112.00	37.30	24.30	41.00	43.50	15.90	10.70
1977	11.60	12.10	12.00	8.48	52.60	56.40	82.20	24.00	14.60	8.18	13.00	12.70
1978	42.80	24.50	205.00	44.90	29.40	219.00	127.00	112.00	60.90	37.60	72.80	35.10
1979	35.80	43.00	93.20	89.30	112.00	174.00	128.00	55.50	78.30	219.00	312.00	62.70
1980	37.40	162.00	125.00	69.40	79.70	171.00	78.20	49.50	114.00	30.90	60.30	22.60
1981	18.90	17.00	17.90	11.70	84.80	25.60	47.70	130.00	59.40	53.50	27.80	21.90
1982	17.10	15.90	26.40	142.00	216.00	188.00	97.10	69.30	42.90	26.10	30.00	16.10
1983	13.90	20.50	57.30	37.80	47.20	30.40	118.00	121.00	40.00	25.70	14.50	8.37
1984	13.50	56.30	95.80	34.30	86.20	145.00	166.00	79.00	36.60	30.10	17.30	16.20
1985	26.60	53.80	101.00	69.10	179.00	153.00	99.20	79.40	40.80	23.70	19.40	14.20

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
15.70	17.00	26.40	37.80	52.60	64.50
FIFTIETH PERCENTILE					
17.50	21.50	65.80	69.10	86.20	145.00
SEVENTY FIFTH PERCENTILE					
31.00	53.80	101.00	126.00	182.00	177.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
78.20	55.20	40.80	25.60	15.90	14.20
FIFTIETH PERCENTILE					
118.00	69.30	52.70	30.10	19.50	16.39
SEVENTY FIFTH PERCENTILE					
161.00	81.80	65.40	43.50	30.00	22.60

## 03274950 LITTLE WILLIAMS CREEK AT CONNERSVILLE, IN

LOCATION.--Lat 39°38'16", long 85°10'20", in SW¼NE¼ sec.27, T.14 N., R.12 E., Fayette County, Hydrologic Unit 05080003, on downstream left bank wingwall of bridge on State Highway 44, 1 mi west of Connerville, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--9.16 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 842.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Peak flows affected by ponding at abandoned railroad culvert 0.5 mi upstream.

AVERAGE DISCHARGE.--17 years, 10.3 ft<sup>3</sup>/s, 15.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,560 ft<sup>3</sup>/s June 22, 1974, gage height, 10.13 ft; minimum daily, 0.25 ft<sup>3</sup>/s Sept. 10, 11, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969								18	18	9	13	16	22	24	29	48	55	33	17	17	20	4	7	4	4	2	1	1	1		1	1				
1970				2	2	7	2	25	43	30	43	17	32	34	28	29	33	11	7	5	3	4	1	2	1	1	1	2	1							
1971				8	10	9	22	6	21	11	18	34	45	39	49	25	17	18	7	6	5	1	3	2		1	1	3	2	1	1					
1972			3	11	22	33	18	30	7	22	20	15	32	39	27	23	24	12	8	8	6	3	1			2										
1973				1	10	24	18	7	12	12	13	22	36	50	33	27	21	33	18	11	4	5	3		5	3	3	1	1							
1974					1	15	7	34	29	22	12	15	22	38	39	42	28	23	12	9	8	4	2	1							1				1	
1975		5	18	13	13	13	8	14	10	6	34	11	24	23	9	16	53	28	23	17	11	3	4	5			3							1		
1976				9	22	20	12	22	52	24	37	27	33	16	13	22	16	11	7	8	2	7	2	2	1		1									
1977		4	8	37	39	36	59	14	22	13	17	17	13	9	15	13	13	7	13	2	2	1	3	1	2	2	1	2								
1978								3	14	20	39	43	50	28	17	39	24	18	15	10	12	13	4	4	3	2	3	1	3							
1979									5	27	27	32	56	34	40	26	45	17	8	13	6	10	4	6	1	2	2			3	1					
1980								7	15	9	7	27	41	32	44	47	28	28	29	14	6	10	6	2	2	5	3	1	1	1				1		
1981					6	3	37	66	52	15	20	30	13	14	9	9	22	20	10	13	7	5	2	5	3	1	2				1					
1982					3	24	52	48	14	14	12	28	21	19	18	14	17	14	24	15	7	2	4	2	2	5	1	1	1	2	1					
1983		12	10	8	4	8	10	43	18	10	18	22	15	35	49	24	20	20	9	9	4	4	5	1	3	1	1	1	1							
1984		1	2	4	2	6	10	22	32	20	10	13	24	33	20	30	26	32	19	22	14	9	4	4	2	1	2	1	1							
1985					2	16	14	17	35	18	18	31	33	35	44	25	14	18	8	9	7	7	3	3	2	1	1	2	1	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.00	12	3.2	390	4016	64.68	24	50.0	46	174	2.80
1	0.25	13	6209	100.00	13	4.0	481	3626	58.40	25	63.0	31	128	2.06
2	0.32	21	6196	99.79	14	5.0	494	3145	50.65	26	79.0	32	97	1.56
3	0.40	49	6175	99.45	15	6.3	450	2651	42.70	27	100.0	21	65	1.05
4	0.50	88	6126	98.66	16	7.9	503	2201	35.45	28	130.0	15	44	0.71
5	0.63	130	6038	97.25	17	10.0	459	1698	27.35	29	160.0	11	29	0.47
6	0.79	182	5908	95.15	18	13.0	315	1239	19.95	30	200.0	11	18	0.29
7	1.0	318	5726	92.22	19	16.0	269	924	14.88	31	250.0	4	7	0.11
8	1.3	363	5408	87.10	20	20.0	196	655	10.55	32	310.0	0	3	0.05
9	1.6	348	5045	81.25	21	25.0	123	459	7.39	33	400.0	2	3	0.05
10	2.0	288	4697	75.65	22	31.0	99	336	5.41	34	500.0	1	1	0.02
11	2.5	393	4409	71.01	23	40.0	63	237	3.82					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.80
P90 =	1.1
P75 =	2.1
P70 =	2.6
P50 =	5.1
P25 =	11.0
P10 =	20.9

## 03274950 LITTLE WILLIAMS CREEK AT CONNERSVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	1.30 14	1.30 13	1.50 13	1.70 13	1.90 12	2.30 11	2.90 13	4.50 14	4.80 12
1971	0.58 7	0.75 8	1.00 10	1.30 12	2.10 13	2.40 13	2.70 11	2.90 11	3.60 9
1972	0.46 4	0.46 4	0.55 4	0.71 5	0.83 5	0.91 5	1.19 3	1.19 2	1.90 2
1973	0.46 5	0.54 6	0.63 6	0.72 6	0.78 4	0.82 4	1.19 4	1.50 7	4.30 10
1974	0.98 11	1.10 11	1.10 11	1.19 10	1.50 11	1.50 9	1.80 9	2.50 9	5.70 13
1975	1.10 13	1.50 14	1.60 14	1.80 14	3.00 15	3.30 14	3.60 14	3.90 13	5.70 14
1976	0.37 3	0.38 3	0.40 3	0.47 3	0.56 2	0.76 3	1.30 7	1.40 6	1.90 3
1977	0.50 6	0.53 5	0.56 5	0.60 4	0.65 3	0.75 2	0.94 1	1.00 1	0.98 1
1978	0.35 2	0.36 2	0.38 2	0.42 2	1.00 7	2.30 12	2.70 12	3.30 12	4.30 11
1979	1.80 15	1.80 15	1.90 15	2.10 15	2.40 14	3.30 15	4.20 15	6.80 15	8.00 15
1980	3.30 16	3.30 16	3.60 16	3.90 16	4.10 16	5.60 16	8.00 16	14.00 16	13.00 16
1981	1.00 12	1.10 12	1.10 12	1.19 11	1.30 10	1.50 10	1.60 8	1.60 8	3.30 7
1982	0.74 9	0.74 7	0.75 7	0.84 7	0.89 6	1.10 6	1.19 5	1.30 3	2.10 4
1983	0.82 10	0.85 10	0.91 9	1.00 8	1.10 8	1.10 7	1.19 6	1.30 4	2.40 5
1984	0.25 1	0.25 1	0.27 1	0.30 1	0.33 1	0.57 1	0.97 2	1.40 5	3.30 6
1985	0.70 8	0.76 9	0.90 8	1.10 9	1.10 9	1.50 8	2.40 10	2.70 10	3.50 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	258.00 7	137.00 8	73.00 8	62.00 2	42.00 4	28.00 7	23.00 5	19.00 8	17.00 9
1970	200.00 10	99.00 12	50.00 14	29.00 15	27.00 15	20.00 15	19.00 13	17.00 13	13.00 14
1971	212.00 9	138.00 7	72.00 9	60.00 3	46.00 1	28.00 8	21.00 9	18.00 12	14.00 12
1972	93.00 17	49.00 17	38.00 16	28.00 16	22.00 16	18.00 16	14.00 16	12.00 17	10.00 15
1973	153.00 14	94.00 14	59.00 12	42.00 12	34.00 9	29.00 5	23.00 6	22.00 4	19.00 4
1974	521.00 1	204.00 1	96.00 2	50.00 9	28.00 14	23.00 12	21.00 10	19.00 9	18.00 7
1975	412.00 3	165.00 4	83.00 5	47.00 10	37.00 7	29.00 6	25.00 3	23.00 3	19.00 5
1976	105.00 16	65.00 16	36.00 17	24.00 17	21.00 17	17.00 17	14.00 17	13.00 16	9.70 17
1977	146.00 15	99.00 13	56.00 13	45.00 11	29.00 12	22.00 13	18.00 14	14.00 14	10.00 16
1978	198.00 11	127.00 9	80.00 6	58.00 4	36.00 8	27.00 9	22.00 7	19.00 10	17.00 8
1979	295.00 5	164.00 5	105.00 1	67.00 1	45.00 3	32.00 3	25.00 4	20.00 7	22.00 1
1980	499.00 2	182.00 2	88.00 4	51.00 8	31.00 10	25.00 10	20.00 11	21.00 5	19.00 6
1981	224.00 8	110.00 11	71.00 10	54.00 7	38.00 6	30.00 4	22.00 8	21.00 6	16.00 10
1982	283.00 6	151.00 6	78.00 7	56.00 6	46.00 2	35.00 1	29.00 1	25.00 1	21.00 2
1983	161.00 13	119.00 10	66.00 11	38.00 13	30.00 11	21.00 14	16.00 15	14.00 15	13.00 13
1984	163.00 12	79.00 15	46.00 15	30.00 14	28.00 13	25.00 11	20.00 12	18.00 11	16.00 11
1985	300.00 4	181.00 3	95.00 3	57.00 5	41.00 5	35.00 2	29.00 2	25.00 2	21.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	9.20 6
1971	11.00 9
1972	4.30 1
1973	11.00 10
1974	11.00 11
1975	14.00 14
1976	7.30 4
1977	4.90 2
1978	9.70 8
1979	13.00 12
1980	17.00 16
1981	9.20 5
1982	14.00 15
1983	6.80 3
1984	9.50 7
1985	13.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	12.00 7
1970	8.30 13
1971	8.40 12
1972	6.20 15
1973	13.00 4
1974	11.00 8
1975	11.00 9
1976	6.10 16
1977	6.00 17
1978	13.00 5
1979	16.00 1
1980	15.00 2
1981	8.60 11
1982	12.00 6
1983	7.30 14
1984	9.50 10
1985	13.00 3

## GREAT MIAMI RIVER BASIN

03274950 LITTLE WILLIAMS CREEK AT CONNERSVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	*	*	*	*	2.21
1969	1.27	7.10	16.70	32.90	15.70	7.37	14.70	10.80	12.70	12.80	5.76	4.06
1970	2.22	6.92	6.93	12.00	8.40	13.40	26.90	8.28	5.59	3.82	2.13	2.76
1971	3.40	4.82	7.75	6.07	48.40	10.20	4.46	9.49	3.86	2.78	1.13	1.09
1972	1.45	1.39	7.15	6.08	5.32	7.22	20.80	13.60	7.46	2.22	0.80	1.28
1973	1.78	12.90	21.70	11.20	10.70	31.10	25.00	8.94	21.20	11.10	4.11	1.50
1974	1.56	6.51	9.73	18.50	12.40	14.30	16.10	18.00	27.00	4.98	4.42	3.96
1975	3.02	5.56	12.80	18.10	31.40	26.40	17.50	8.40	3.79	1.10	2.17	0.72
1976	2.26	2.41	7.85	13.40	15.90	12.30	4.74	4.00	5.16	2.69	2.64	0.74
1977	1.06	1.35	1.05	0.76	25.10	11.80	10.90	8.04	3.35	1.82	6.84	1.00
1978	9.56	5.21	24.70	7.71	3.65	32.00	18.60	13.90	8.61	7.07	19.20	3.45
1979	4.04	5.49	17.00	12.50	19.70	28.90	17.40	8.35	8.64	34.60	26.90	7.45
1980	4.07	27.90	19.70	11.60	9.81	28.20	16.20	8.52	13.10	26.60	15.00	1.78
1981	1.61	1.70	1.69	1.41	16.80	6.74	18.70	34.60	12.30	4.72	2.31	1.30
1982	1.18	1.26	6.82	31.90	26.60	24.00	12.50	16.80	10.80	4.62	1.43	1.09
1983	1.14	1.81	10.60	5.78	9.76	5.17	17.80	22.90	7.59	3.15	1.34	0.34
1984	2.24	8.68	14.00	4.96	11.70	19.80	27.10	13.80	3.76	2.17	5.10	1.33
1985	2.54	7.01	19.90	11.30	29.10	30.10	17.50	19.10	6.01	3.81	4.20	1.35

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.36	1.75	7.04	5.92	9.78	8.78
FIFTIETH PERCENTILE					
2.22	5.49	10.60	11.30	15.70	14.30
SEVENTY FIFTH PERCENTILE					
3.21	7.05	18.30	15.70	25.80	28.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
13.60	8.37	4.51	2.45	1.78	1.07
FIFTIETH PERCENTILE					
17.50	10.80	7.59	3.82	4.11	1.34
SEVENTY FIFTH PERCENTILE					
19.69	17.39	12.50	9.08	6.30	2.93

LOCATION.--Lat 39°34'46", long 85°09'29", in SW 1/4 sec.14, T.13 N., R.12 E., Fayette County, Hydrologic Unit 05080003, on right bank at Mulltown, 400 ft upstream from Wilson Creek, 0.4 mi upstream from bridge on County Road 480 South, 2.0 mi northeast of Alpine 5.1 mi upstream from Bear Creek, and at mile 54.8.

PERIOD OF RECORD.--October 1928 to September 1985. Prior to October 1936, published as West Fork Whitewater River near Alpine.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 750.19 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1928, nonrecording gage and Nov. 10, 1928, to Sept. 30, 1982, at site 0.5 mi downstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,100 ft<sup>3</sup>/s Jan. 14, 1937, gage height, 16.61 ft; minimum daily, 6.0 ft<sup>3</sup>/s Sept. 8, 9, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1929						1	5	43	32	39	18	26	19	17	21	26	25	28	20	11	8	10	2	5	3			2	1	1	1	1				
1930					20	39	33	33	13	18	21	23	18	27	19	19	35	11	11	4	1	4	2	2	3	1	2	1	2	3						
1931		1	8	12	30	74	59	38	27	28	27	18	14	11	4	4	3	2	2		1	1	1													
1932		2	7	37	25	21	38	18	10	17	33	36	26	24	20	13	6	8	6	2	6	2	1	4	4											
1933								27	18	36	18	24	27	19	13	36	31	29	27	11	16	8	6	3	4	5				3	2	2				
1934		15	31	29	18	19	25	72	31	26	34	25	12	6	5	3	5	1	2	2	2	1	1													
1935			22	89	54	20	21	37	14	20	14	14	11	10	10	9	2	2	4	1	7	2	1			1										
1936				5	40	33	20	28	18	40	21	22	25	18	13	10	10	26	9	7	6	3	4	1	1	1	2	3								
1937						2	21	19	29	25	36	26	23	32	47	22	13	18	13	9	7	3	2	9	3				1	2			2	1		
1938						1	29	6	15	21	18	38	38	33	37	28	18	18	11	23	5	3	4	5	4	6	1	1	2							
1939						7	18	46	24	30	25	32	26	19	17	35	28	11	16	7	8	2	6	2	2	1	2		1							
1940			15	35		30	58	59	9	26	12	18	24	18	14	12	8	9	3	4	4	2	2			1	2		1							
1941		2	6	22	50	57	55	81	45	18	10	4	5	3	2	1	3	1																		
1942		1	1	1		1	16	41	22	47	46	27	40	32	25	15	13	9	4	5	5	5	2	1	2	3			1							
1943						9	33	27	13	29	26	32	47	48	22	18	12	9	10	6	8	4	2	5		1			1	2		1				
1944			10	16		36	94	71	8	11		11	12	12	12	21	11	12	7	6	4	2	2	3				3	1	1						
1945			5	54		52	17	22	8	27	11	20	19	13	31	17	15	12	8	6	7	5	1	5	1	2	3	3								
1946				1	11	14		9	16	21	34	34	48	42	29	25	19	22	14	6	7	6			2	4		1								

## GREAT MIAMI RIVER BASIN

03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976	6	24	26	42	33	45	31	29	23	17	21	16	10	12	7	7	6	2	2	4	1	1	1
1977	7	59	68	55	38	16	20	12	17	25	11	10	7	7	3	1	2	1	3	2	1	1	1
1978			3	8	10	25	51	46	40	30	23	32	23	17	9	10	9	6	4	5	2	5	2
1979						19	24	25	49	37	36	42	28	22	18	6	14	8	8	4	5	5	6
1980						9	12	28	63	47	40	34	22	24	23	10	18	13	1	9	3	2	7
1981				33	22	81	48	34	29	18	20	19	15	14	11	4	4	6	3	3	1		
1982				56	35	38	16	15	15	32	31	19	20	17	21	6	13	5	7	8	4	1	2
1983	7	20	14	69	14	12	21	41	46	34	25	17	12	7	8	4	6	1	3	2	2	2	1
1984	1	8	13	41	13	29	28	22	31	30	23	28	24	16	15	7	18	5	6	1	2	3	1
1985			17	17	12	30	24	30	42	40	26	34	21	15	15	8	10	4	5	4	2	4	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20819	100.00	12	280.0	1691	9989	47.98	24	3300.0	129	467	2.24
1	30.0	18	20819	100.00	13	350.0	1439	8298	39.86	25	4000.0	109	338	1.62
2	37.0	72	20801	99.91	14	430.0	1184	6859	32.95	26	4900.0	73	229	1.10
3	45.0	240	20729	99.57	15	520.0	1256	5675	27.26	27	6000.0	51	156	0.75
4	55.0	660	20489	98.41	16	640.0	999	4419	21.23	28	7400.0	46	105	0.50
5	68.0	1059	19829	95.24	17	780.0	818	3420	16.43	29	9100.0	29	59	0.28
6	83.0	1246	18770	90.16	18	960.0	683	2602	12.50	30	11000.0	17	30	0.14
7	100.0	2072	17524	84.17	19	1200.0	363	1919	9.22	31	14000.0	8	13	0.06
8	130.0	1026	15452	74.22	20	1400.0	467	1556	7.47	32	17000.0	3	5	0.02
9	150.0	1650	14426	69.29	21	1800.0	263	1089	5.23	33	20000.0	0	2	0.01
10	190.0	1375	12776	61.37	22	2200.0	185	826	3.97	34	25000.0	2	2	0.01
11	230.0	1412	11401	54.76	23	2700.0	174	641	3.08					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	68.7
P90 =	83.5
P75 =	128.0
P70 =	147.0
P50 =	265.0
P25 =	565.0
P10 =	1140.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1930	85.00 33	88.00 33	93.00 34	96.00 33	102.00 33	124.00 36	158.00 41	198.00 45	459.00 54
1931	54.00 14	58.00 13	59.00 12	62.00 13	65.00 12	72.00 9	74.00 7	75.00 7	78.00 5
1932	36.00 3	37.00 2	41.00 3	51.00 4	63.00 7	79.00 15	117.00 28	126.00 28	130.00 17
1933	59.00 17	61.00 17	64.00 18	69.00 19	81.00 21	100.00 27	166.00 43	196.00 44	234.00 38
1934	85.00 34	86.00 31	90.00 32	102.00 37	109.00 36	136.00 42	164.00 42	159.00 36	175.00 26
1935	30.00 1	33.00 1	33.00 1	40.00 1	45.00 1	48.00 1	48.00 1	49.00 1	52.00 1
1936	47.00 8	59.00 16	65.00 19	67.00 16	73.00 17	99.00 26	119.00 29	145.00 32	188.00 28
1937	49.00 11	52.00 10	55.00 10	57.00 7	66.00 13	76.00 12	82.00 14	98.00 15	217.00 32
1938	97.00 40	104.00 40	105.00 39	122.00 47	149.00 49	194.00 51	214.00 50	224.00 49	314.00 46
1939	94.00 38	110.00 44	111.00 44	114.00 41	120.00 41	133.00 40	215.00 51	211.00 48	263.00 43
1940	71.00 26	78.00 26	81.00 25	82.00 24	83.00 22	91.00 20	96.00 18	96.00 14	133.00 18
1941	48.00 9	50.00 7	52.00 6	55.00 6	57.00 4	58.00 2	61.00 2	67.00 3	82.00 6
1942	33.00 2	38.00 3	40.00 2	44.00 2	65.00 8	74.00 10	81.00 11	105.00 17	117.00 13
1943	80.00 30	81.00 28	83.00 28	85.00 27	86.00 23	98.00 24	134.00 33	162.00 38	186.00 27
1944	70.00 24	76.00 24	81.00 26	86.00 28	88.00 27	104.00 30	102.00 21	107.00 20	116.00 12
1945	46.00 5	50.00 8	63.00 16	63.00 14	65.00 9	66.00 5	67.00 4	70.00 4	71.00 2
1946	110.00 45	111.00 45	115.00 45	118.00 44	134.00 47	169.00 47	213.00 49	349.00 52	340.00 48
1947	62.00 20	69.00 22	72.00 22	73.00 22	77.00 20	87.00 17	94.00 17	106.00 18	156.00 24
1948	127.00 48	138.00 50	140.00 50	146.00 50	165.00 51	169.00 48	174.00 44	187.00 41	262.00 42
1949	65.00 22	74.00 23	79.00 23	82.00 23	86.00 24	93.00 21	104.00 23	135.00 29	218.00 33
1950	74.00 27	100.00 38	110.00 42	116.00 42	131.00 45	182.00 50	195.00 48	200.00 46	225.00 36
1951	145.00 51	146.00 51	153.00 51	158.00 52	215.00 53	291.00 55	378.00 55	383.00 55	434.00 53
1952	70.00 25	82.00 29	88.00 30	89.00 29	92.00 29	99.00 25	104.00 24	124.00 25	225.00 37
1953	76.00 29	78.00 27	82.00 27	84.00 25	86.00 25	89.00 19	92.00 15	95.00 13	127.00 14
1954	58.00 15	58.00 14	60.00 14	63.00 15	65.00 10	68.00 6	71.00 6	72.00 5	82.00 7
1955	46.00 6	47.00 5	48.00 4	50.00 3	54.00 2	71.00 7	75.00 8	79.00 9	93.00 9

## 03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	42.00	4	44.00	4	54.00	8	60.00	10	69.00	14	88.00	18	131.00	32	157.00	33	206.00	31
1957	68.00	23	68.00	21	70.00	21	72.00	20	73.00	18	77.00	13	81.00	12	87.00	12	103.00	11
1958	93.00	37	94.00	36	96.00	36	99.00	34	113.00	39	131.00	39	135.00	34	158.00	34	379.00	51
1959	210.00	56	215.00	56	227.00	56	240.00	55	243.00	55	290.00	54	351.00	54	363.00	54	617.00	55
1960	75.00	28	77.00	25	81.00	24	85.00	26	92.00	30	106.00	32	113.00	26	124.00	26	150.00	22
1961	62.00	21	62.00	18	64.00	17	68.00	17	73.00	19	79.00	14	82.00	13	83.00	11	87.00	8
1962	127.00	49	130.00	49	136.00	49	137.00	49	147.00	48	165.00	46	191.00	46	203.00	47	261.00	41
1963	100.00	41	101.00	39	103.00	38	104.00	38	109.00	37	115.00	33	126.00	31	125.00	27	145.00	21
1964	49.00	10	51.00	9	52.00	5	53.00	5	54.00	3	59.00	3	62.00	3	62.00	2	73.00	3
1965	58.00	16	58.00	15	59.00	13	61.00	11	63.00	5	66.00	4	69.00	5	74.00	6	94.00	10
1966	61.00	18	63.00	20	66.00	20	73.00	21	86.00	26	105.00	31	111.00	25	116.00	23	128.00	15
1967	53.00	12	54.00	11	55.00	9	58.00	8	65.00	11	75.00	11	79.00	10	81.00	10	133.00	19
1968	84.00	31	87.00	32	89.00	31	90.00	31	91.00	28	96.00	22	100.00	19	107.00	19	190.00	29
1969	128.00	50	129.00	48	129.00	48	131.00	48	133.00	46	152.00	45	190.00	45	311.00	51	417.00	52
1970	183.00	55	183.00	55	193.00	54	207.00	54	217.00	54	222.00	53	235.00	52	353.00	53	366.00	50
1971	104.00	43	109.00	42	110.00	43	117.00	43	129.00	43	134.00	41	141.00	35	143.00	31	165.00	25
1972	85.00	32	85.00	30	87.00	29	89.00	30	94.00	31	97.00	23	101.00	20	103.00	16	130.00	16
1973	96.00	39	97.00	37	98.00	37	99.00	35	105.00	34	122.00	35	156.00	40	171.00	39	298.00	45
1974	119.00	47	119.00	47	120.00	47	121.00	46	129.00	44	137.00	43	151.00	38	196.00	42	332.00	47
1975	152.00	53	154.00	52	156.00	52	156.00	51	161.00	50	177.00	49	192.00	47	196.00	43	286.00	44
1976	87.00	35	89.00	34	91.00	33	95.00	32	98.00	32	102.00	29	114.00	27	120.00	24	145.00	20
1977	53.00	13	55.00	12	56.00	11	59.00	9	63.00	6	71.00	8	76.00	9	77.00	8	78.00	4
1978	47.00	7	49.00	6	53.00	7	62.00	12	69.00	15	101.00	28	103.00	22	115.00	22	156.00	23
1979	156.00	54	158.00	53	163.00	53	165.00	53	180.00	52	219.00	52	270.00	53	304.00	50	361.00	49
1980	151.00	52	168.00	54	217.00	55	241.00	56	319.00	56	371.00	56	485.00	56	835.00	56	774.00	56
1981	110.00	46	113.00	46	116.00	46	119.00	45	123.00	42	142.00	44	151.00	39	160.00	37	240.00	39
1982	100.00	42	109.00	43	109.00	40	111.00	39	114.00	40	119.00	34	124.00	30	140.00	30	223.00	35
1983	106.00	44	108.00	41	110.00	41	111.00	40	113.00	38	125.00	37	141.00	36	159.00	35	221.00	34
1984	61.00	19	62.00	19	63.00	15	68.00	18	70.00	16	80.00	16	94.00	16	110.00	21	191.00	30
1985	88.00	36	91.00	35	95.00	35	101.00	36	107.00	35	128.00	38	151.00	37	177.00	40	248.00	40

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1929	16600.00	6	7810.00	18	4070.00	29	2780.00	27	1940.00	25	1440.00	28	1310.00	25	1210.00	21	1250.00	10
1930	10800.00	23	9450.00	10	7820.00	2	5030.00	3	3200.00	4	2070.00	11	1730.00	9	1420.00	13	1040.00	21
1931	2280.00	56	1660.00	55	1000.00	56	751.00	56	513.00	56	396.00	56	318.00	56	280.00	56	241.00	56
1932	4560.00	48	3880.00	44	2920.00	41	2330.00	34	1600.00	38	1260.00	36	1000.00	40	868.00	40	670.00	43
1933	13600.00	11	9520.00	9	6280.00	9	3680.00	12	2530.00	13	2200.00	6	1840.00	5	1630.00	6	1480.00	3
1934	2440.00	54	1850.00	54	1250.00	54	761.00	55	558.00	55	439.00	55	333.00	55	325.00	55	271.00	55
1935	4470.00	50	2680.00	50	2170.00	49	1630.00	48	1020.00	50	677.00	51	580.00	51	472.00	52	360.00	52
1936	7200.00	38	6730.00	29	4300.00	24	2600.00	30	1850.00	28	1630.00	22	1330.00	23	1070.00	29	797.00	35
1937	17400.00	4	11800.00	5	8440.00	1	7240.00	1	4620.00	1	2940.00	2	2160.00	2	1820.00	2	1380.00	6
1938	10300.00	27	7080.00	25	4340.00	23	3150.00	20	2930.00	7	2110.00	9	1610.00	14	1480.00	11	1220.00	12
1939	10500.00	25	6610.00	30	4060.00	30	2640.00	28	1700.00	34	1440.00	29	1320.00	24	1120.00	27	879.00	28
1940	7690.00	35	5450.00	33	3690.00	35	2110.00	40	1310.00	46	881.00	47	798.00	47	705.00	47	547.00	48
1941	916.00	57	755.00	57	585.00	57	413.00	57	273.00	57	186.00	57	156.00	57	149.00	57	147.00	57
1942	8480.00	32	4930.00	38	2980.00	38	2190.00	38	1350.00	45	1180.00	42	1050.00	39	875.00	39	677.00	40
1943	12300.00	14	7670.00	20	5730.00	12	3200.00	17	1840.00	31	1200.00	39	1200.00	33	1020.00	36	852.00	31
1944	9540.00	28	8520.00	13	5650.00	13	3260.00	16	2120.00	24	1610.00	23	1260.00	28	1040.00	34	723.00	38
1945	11000.00	20	7070.00	26	3830.00	33	2230.00	36	1850.00	29	1460.00	27	1170.00	35	1180.00	22	894.00	27
1946	5210.00	44	2630.00	51	2010.00	50	1400.00	49	1110.00	47	1020.00	46	948.00	42	850.00	42	770.00	36
1947	12200.00	15	8220.00	17	5250.00	16	3170.00	19	2440.00	16	2010.00	12	1600.00	15	1320.00	15	1070.00	20
1948	9140.00	29	6220.00	32	4060.00	31	3090.00	22	2720.00	10	1810.00	18	1570.00	16	1290.00	17	994.00	22
1949	25100.00	2	13400.00	1	6960.00	3	4420.00	4	3650.00	3	2530.00	3	2120.00	3	1790.00	3	1430.00	4
1950	16600.00	7	11400.00	6	6480.00	6	5700.00	2	4090.00	2	3310.00	1	2600.00	1	2230.00	1	1650.00	1
1951	16400.00	8	8300.00	15	4760.00	22	3420.00	15	2310.00	20	1970.00	15	1710.00	10	1640.00	5	1480.00	2
1952	19900.00	3	12500.00	2	6580.00	5	4390.00	5	2660.00	11	1980.00	14	1640.00	12	1550.00	9	1240.00	11
1953	4560.00	49	3210.00	45	2430.00	44	1840.00	44	1110.00	48	737.00	49	771.00	48	686.00	49	602.00	47
1954	2360.00	55	1600.00	56	1110.00	55	949.00	54	802.00	52	524.00	53	411.00	54	352.00	54	281.00	54
1955	3170.00	53	2060.00	53	1410.00	53	1220.00	51	1040.00	49	835.00	48	743.00	49	691.00	48	545.00	49
1956	10900.00	21	6870.00	27	3730.00	34	2250.00	35	1650.00	35	1340.00	32	1100.00	38	962.00	37	869.00	29
1957	10900.00	22	6580.00	31	3880.00	32	2390.00	33	1540.00	41	1230.00	37	1260.00	29	1050.00	32	808.00	33
1958	14000.00	10	7480.00	23	6390.00	7	3870.00	9	2520.00	14	2240.00	4	1750.00	7	1560.00	8	1200.00	13
1959	17000.00	5	12000.00	4	6240.00	10	3730.00	11	3130.00	5	2150.00	8	1670.00	11	1460.00	12	1130.00	16
1960	4980.00	45	2900.00	48	2270.00	47	1370.00	50	981.00	51	674.00	52	614.00	50	535.00	50	475.00	50



## 03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	12600.00	13	8300.00	16	5190.00	18	3570.00	14	2880.00	8	2090.00	10	1940.00	4	1670.00	4	1200.00	14
1962	6500.00	40	5060.00	36	2810.00	42	2180.00	39	1850.00	30	1340.00	33	1230.00	32	1040.00	33	833.00	32
1963	26300.00	1	12100.00	3	6290.00	8	3940.00	8	2760.00	9	1780.00	19	1300.00	26	1030.00	35	739.00	37
1964	11700.00	18	9930.00	8	5850.00	11	3610.00	13	2410.00	17	1990.00	13	1470.00	18	1160.00	24	806.00	34
1965	8460.00	33	5220.00	35	2970.00	39	1710.00	46	1600.00	39	1190.00	40	1160.00	36	957.00	38	698.00	39
1966	3610.00	51	2500.00	52	1610.00	52	1000.00	53	673.00	54	474.00	54	454.00	53	426.00	53	363.00	51
1967	9030.00	30	7670.00	21	5070.00	19	3000.00	26	1900.00	26	1500.00	26	1450.00	20	1250.00	18	1190.00	15
1968	16100.00	9	10300.00	7	6730.00	4	3820.00	10	2290.00	22	1410.00	30	1190.00	34	1060.00	30	973.00	24
1969	11900.00	17	7410.00	24	4270.00	25	3090.00	23	2310.00	18	1560.00	25	1260.00	30	1110.00	28	972.00	25
1970	7330.00	37	4200.00	42	2450.00	43	1680.00	47	1570.00	40	1300.00	34	1230.00	31	1050.00	31	852.00	30
1971	8640.00	31	5280.00	34	4140.00	27	2550.00	31	1860.00	27	1220.00	38	913.00	43	829.00	43	654.00	44
1972	4820.00	46	3020.00	47	2420.00	45	2010.00	41	1520.00	42	1070.00	45	888.00	45	799.00	44	673.00	41
1973	7920.00	34	6730.00	28	4240.00	26	3040.00	25	2300.00	21	1760.00	20	1370.00	21	1220.00	20	1270.00	7
1974	7460.00	36	4680.00	41	3430.00	36	2600.00	29	1640.00	36	1260.00	35	1330.00	22	1170.00	23	984.00	23
1975	12200.00	16	9320.00	11	5050.00	20	3060.00	24	2310.00	19	1900.00	16	1740.00	8	1620.00	7	1270.00	8
1976	6780.00	39	4040.00	43	2330.00	46	1890.00	43	1640.00	37	1190.00	41	989.00	41	858.00	41	638.00	46
1977	4570.00	47	3120.00	46	1870.00	51	1170.00	52	756.00	53	716.00	50	578.00	52	477.00	51	350.00	53
1978	10600.00	24	8450.00	14	5650.00	14	4170.00	7	2540.00	12	1760.00	21	1460.00	19	1230.00	19	1120.00	17
1979	10400.00	26	7730.00	19	5430.00	15	4260.00	6	2990.00	6	2200.00	7	1610.00	13	1310.00	16	1390.00	5
1980	6050.00	42	5050.00	37	4080.00	28	2470.00	32	1770.00	32	1410.00	31	1150.00	37	1140.00	25	1080.00	19
1981	3410.00	52	2710.00	49	2250.00	48	1720.00	45	1450.00	44	1130.00	43	902.00	44	799.00	45	671.00	42
1982	13100.00	12	7620.00	22	5010.00	21	3190.00	18	2520.00	15	2210.00	5	1810.00	6	1520.00	10	1250.00	9
1983	5850.00	43	4920.00	39	3160.00	37	2010.00	42	1490.00	43	1090.00	44	833.00	46	724.00	46	643.00	45
1984	6290.00	41	4700.00	40	2970.00	40	2200.00	37	1740.00	33	1570.00	24	1270.00	27	1120.00	26	946.00	26
1985	11500.00	19	8810.00	12	5210.00	17	3120.00	21	2130.00	23	1830.00	17	1510.00	17	1340.00	14	1120.00	18

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1930	907.00	52
1931	143.00	2
1932	408.00	18
1933	639.00	34
1934	506.00	27
1935	88.00	1
1936	477.00	24
1937	821.00	50
1938	658.00	37
1939	662.00	39
1940	406.00	17
1941	244.00	4
1942	336.00	10
1943	459.00	22
1944	394.00	16
1945	446.00	21
1946	670.00	40
1947	364.00	13
1948	777.00	46
1949	939.00	53
1950	883.00	51
1951	942.00	54
1952	773.00	45
1953	344.00	11
1954	250.00	5
1955	328.00	9
1956	508.00	28
1957	280.00	6
1958	646.00	36
1959	1090.00	56
1960	380.00	15
1961	365.00	14
1962	789.00	48
1963	433.00	20
1964	306.00	8
1965	471.00	23
1966	346.00	12
1967	513.00	29
1968	568.00	33
1969	779.00	47
1970	659.00	38

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1929	725.00	14
1930	583.00	25
1931	167.00	56
1932	429.00	38
1933	897.00	3
1934	178.00	55
1935	208.00	53
1936	462.00	35
1937	857.00	7
1938	855.00	8
1939	543.00	28
1940	316.00	50
1941	117.00	57
1942	444.00	36
1943	536.00	29
1944	407.00	42
1945	526.00	31
1946	514.00	33
1947	657.00	22
1948	578.00	26
1949	843.00	9
1950	1000.00	1
1951	887.00	4
1952	696.00	17
1953	367.00	47
1954	178.00	54
1955	335.00	48
1956	572.00	27
1957	468.00	34
1958	866.00	5
1959	683.00	19
1960	318.00	49
1961	660.00	21
1962	521.00	32
1963	427.00	39
1964	439.00	37
1965	402.00	43
1966	233.00	51
1967	717.00	16
1968	663.00	20
1969	740.00	11

## 03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued

## ANNUAL VALUES--Continued

1971	502.00	26	1970	534.00	30
1972	297.00	7	1971	397.00	46
1973	796.00	49	1972	423.00	40
1974	644.00	35	1973	858.00	6
1975	772.00	44	1974	608.00	23
1976	535.00	30	1975	727.00	13
1977	206.00	3	1976	402.00	44
1978	553.00	32	1977	218.00	52
1979	741.00	42	1978	736.00	12
1980	1030.00	55	1979	1000.00	2
1981	491.00	25	1980	838.00	10
1982	760.00	43	1981	421.00	41
1983	419.00	19	1982	722.00	15
1984	548.00	31	1983	400.00	45
1985	727.00	41	1984	587.00	24
			1985	689.00	18

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1929	137.00	189.00	234.00	1180.0	1190.0	948.00	1024.0	1090.0	870.00	1510.0	214.00	132.00
1930	142.00	331.00	913.00	2902.0	1139.0	594.00	396.00	209.00	132.00	90.10	65.70	90.40
1931	74.50	70.10	78.30	93.00	133.00	290.00	472.00	185.00	161.00	99.10	233.00	115.00
1932	63.50	179.00	811.00	1504.0	616.00	440.00	362.00	200.00	347.00	307.00	88.80	223.00
1933	244.00	742.00	1336.0	1366.0	700.00	1734.0	1415.0	2253.0	345.00	194.00	152.00	232.00
1934	169.00	122.00	293.00	205.00	118.00	543.00	320.00	113.00	68.90	61.10	63.20	50.30
1935	47.10	49.80	50.60	58.90	56.90	120.00	140.00	987.00	336.00	380.00	116.00	134.00
1936	115.00	220.00	250.00	307.00	1530.0	1238.0	972.00	532.00	148.00	93.20	69.70	130.00
1937	447.00	811.00	355.00	4409.0	1292.0	594.00	795.00	516.00	387.00	202.00	266.00	215.00
1938	624.00	267.00	990.00	514.00	1108.0	2027.0	1639.0	855.00	856.00	732.00	270.00	396.00
1939	124.00	282.00	240.00	442.00	994.00	1161.0	1669.0	459.00	557.00	321.00	237.00	89.80
1940	97.60	103.00	99.10	194.00	685.00	404.00	1234.0	391.00	398.00	110.00	62.80	57.00
1941	65.60	86.30	126.00	114.00	177.00	125.00	122.00	70.00	273.00	98.80	81.50	67.70
1942	185.00	279.00	282.00	294.00	1397.0	971.00	812.00	334.00	223.00	119.00	344.00	172.00
1943	86.90	219.00	463.00	381.00	626.00	1731.0	410.00	1234.0	454.00	343.00	303.00	161.00
1944	97.30	116.00	93.60	128.00	265.00	1105.0	2078.0	553.00	225.00	102.00	70.60	67.80
1945	66.40	76.40	69.20	75.30	428.00	1564.0	1319.0	497.00	1281.0	262.00	186.00	516.00
1946	478.00	317.00	627.00	586.00	979.00	1043.0	413.00	823.00	414.00	255.00	164.00	88.60
1947	86.40	110.00	246.00	791.00	413.00	560.00	1124.0	1702.0	1801.0	406.00	419.00	228.00
1948	169.00	172.00	181.00	653.00	1056.0	1439.0	1873.0	686.00	286.00	239.00	120.00	90.20
1949	105.00	936.00	762.00	3535.0	1324.0	1336.0	658.00	350.00	446.00	300.00	171.00	205.00
1950	284.00	153.00	356.00	3952.0	2639.0	1184.0	1059.0	578.00	572.00	383.00	219.00	738.00
1951	286.00	1144.0	1355.0	1451.0	2127.0	1498.0	1341.0	512.00	444.00	356.00	132.00	104.00
1952	94.30	235.00	1330.0	2180.0	1310.0	1238.0	968.00	393.00	272.00	137.00	101.00	99.80
1953	85.70	104.00	233.00	498.00	424.00	826.00	367.00	1077.0	254.00	339.00	106.00	70.10
1954	67.80	74.80	78.70	138.00	127.00	282.00	706.00	227.00	175.00	109.00	96.30	59.40
1955	83.40	96.70	218.00	560.00	680.00	945.00	524.00	267.00	224.00	218.00	80.50	145.00
1956	313.00	1394.0	338.00	218.00	1645.0	810.00	877.00	538.00	347.00	274.00	115.00	78.20
1957	76.90	88.90	131.00	233.00	390.00	233.00	1534.0	903.00	1277.0	471.00	158.00	147.00
1958	122.00	264.00	1442.0	674.00	348.00	398.00	577.00	1086.0	2314.0	1320.0	1429.0	370.00
1959	271.00	446.00	368.00	2004.0	1868.0	1048.0	800.00	777.00	302.00	165.00	118.00	106.00
1960	123.00	179.00	263.00	473.00	881.00	407.00	362.00	380.00	364.00	215.00	112.00	86.40
1961	73.70	89.00	85.50	96.50	473.00	2036.0	2115.0	1337.0	843.00	306.00	216.00	252.00
1962	165.00	196.00	458.00	1215.0	993.00	1399.0	449.00	474.00	244.00	388.00	144.00	134.00
1963	123.00	142.00	123.00	203.00	197.00	2522.0	919.00	376.00	190.00	141.00	91.50	62.50
1964	55.50	69.30	64.20	100.00	104.00	1489.0	2360.0	494.00	218.00	172.00	88.20	65.00
1965	67.10	79.20	97.50	238.00	1039.0	821.00	1542.0	428.00	189.00	177.00	104.00	116.00
1966	129.00	119.00	123.00	343.00	623.00	306.00	314.00	462.00	160.00	93.50	86.10	69.90
1967	84.00	589.00	1602.0	413.00	635.00	1624.0	875.00	1772.0	509.00	235.00	133.00	96.20
1968	95.40	110.00	1109.0	667.00	697.00	510.00	699.00	2071.0	637.00	478.00	655.00	200.00
1969	138.00	423.00	930.00	1686.0	1036.0	380.00	991.00	728.00	690.00	1168.0	457.00	261.00
1970	218.00	564.00	407.00	612.00	826.00	1000.0	1573.0	441.00	319.00	215.00	144.00	132.00
1971	154.00	144.00	226.00	312.00	1896.0	611.00	274.00	594.00	322.00	146.00	101.00	102.00
1972	101.00	109.00	496.00	434.00	277.00	602.00	1465.0	621.00	495.00	201.00	129.00	159.00
1973	207.00	1536.0	1340.0	687.00	608.00	2107.0	1324.0	491.00	829.00	696.00	298.00	167.00
1974	131.00	244.00	482.00	1472.0	803.00	806.00	1385.0	509.00	785.00	297.00	206.00	205.00
1975	166.00	232.00	618.00	1311.0	2033.0	1621.0	1449.0	661.00	350.00	159.00	125.00	105.00
1976	125.00	128.00	469.00	927.00	1278.0	684.00	274.00	193.00	309.00	270.00	124.00	73.10
1977	71.80	87.00	86.40	63.40	437.00	508.00	688.00	244.00	139.00	91.00	129.00	101.00
1978	321.00	185.00	1753.0	425.00	253.00	2241.0	1085.0	898.00	509.00	342.00	483.00	257.00
1979	246.00	342.00	834.00	865.00	1197.0	1852.0	1103.0	408.00	437.00	1777.0	2342.0	584.00
1980	321.00	1375.0	1201.0	675.00	573.00	1574.0	1011.0	553.00	1076.0	734.00	743.00	216.00
1981	190.00	167.00	162.00	125.00	653.00	290.00	629.00	1331.0	615.00	451.00	285.00	169.00
1982	119.00	128.00	240.00	1412.0	2131.0	1692.0	873.00	732.00	781.00	299.00	214.00	154.00
1983	114.00	183.00	566.00	396.00	462.00	263.00	894.00	1253.0	297.00	194.00	109.00	72.20
1984	123.00	512.00	848.00	303.00	690.00	1273.0	1726.0	753.00	318.00	238.00	156.00	121.00
1985	201.00	498.00	1066.0	736.00	1598.0	1391.0	1158.0	799.00	344.00	243.00	196.00	107.00

GREAT MIAMI RIVER BASIN  
03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
86.00	110.00	147.00	226.00	426.00	509.00
FIFTIETH PERCENTILE					
123.00	183.00	355.00	498.00	697.00	971.00
SEVENTY FIFTH PERCENTILE					
196.00	337.00	841.00	1198.00	1238.00	1494.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
498.00	392.00	249.00	153.00	103.00	89.20
FIFTIETH PERCENTILE					
919.00	538.00	347.00	243.00	144.00	130.00
SEVENTY FIFTH PERCENTILE					
1363.00	877.00	594.00	368.00	235.00	205.00

## 03275500 EAST FORK WHITEWATER RIVER AT RICHMOND, IN

LOCATION.--Lat 39°48'24", long 84°54'26", in NW¼SW¼ sec.8, T.13 N., R.1 W., Wayne County, Hydrologic Unit 05080003, on left bank 50 ft downstream from highway bridge, 0.8 mi south of Richmond, 1.5 mi upstream from Short Creek, and at mile 33.4.

DRAINAGE AREA.--121 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1949 to September 1978 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 854.01 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to July 27, 1949, nonrecording gage at same site and datum.

REMARKS.--Some regulation at low flow by powerplant upstream from station. Natural flow also affected by diversion of municipal water supply by City of Richmond.

AVERAGE DISCHARGE.--29 years, 115 ft<sup>3</sup>/s, 12.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft<sup>3</sup>/s July 20, 1969, gage height, 12.68 ft, from rating curve extended above 5,000 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow at stage of 12.44 ft; minimum daily, 1.2 ft<sup>3</sup>/s Aug. 1, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 15.0 ft, from floodmarks (discharge not determined).

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1950												1	18	38	39	23	35	32	33	37	35	20	17	5	9	7	2	3		3	2	4	2				
1951										1	22	19	14	10	20	29	25	48	28	37	35	21	17	8	5	10	7	3	2	1		2	1				
1952							1	2	10	51	25	24	20	22	15	25	20	20	39	28	20	15	10	4	5	4	1		1	2	1			1			
1953					2	5	9	20	13	49	12	24	21	29	33	41	40	21	14	8	9	2	5	2	2	3		1									
1954	3	2	2	6	6	8	33	34	53	41	22	50	28	15	15	16	10	5	4	4	3	3		2													
1955	1	1	1	4	8	5	15	10	13	26	36	26	35	34	27	27	19	19	21	10	9	5	4	4	3	2											
1956				5	4	5	13	10	10	7	8	20	51	36	30	28	29	23	35	18	11	7	7	2	1	1	2	1		1		1					
1957				7	15	7	21	27	32	39	24	26	37	28	22	19	21	7	11	5	5	3	1	4		2					1	1					
1958								4	7	18	10	18	48	51	49	40	33	17	14	13	10	7	8	4	3	4	2	2	1	2							
1959						5	14	11	16	16	14	15	32	50	26	40	29	28	22	18	12	6	2	5		1		1			1				1		
1960				1	3	4	5	15	6	27	18	44	20	37	71	43	27	13	12	6	5	3	2	1	2				1								
1961									31	45	48	24	29	29	15	23	19	9	15	12	13	16	8	8	6	3	4	6	1			1					
1962										20	31	54	37	37	37	31	35	20	18	11	8	5	4	8	4	1	1	1	1	1							
1963							4	20	8	24	85	56	30	23	23	17	12	10	9	9	9	7	7	4	1	2	1	1	1					2			
1964							8	7	53	51	66	16	17	23	15	19	13	16	14	10	7	6	5	6	5	2	2	1		1	1	2					
1965							3	43	45	48	47	19	21	9	20	20	20	15	15	9	9	10	3	3	2	2		1	1								
1966									12	17	44	51	52	35	35	32	26	23	12	7	7	2	6		2		1	1									
1967										8	26	47	20	25	30	24	37	28	23	23	17	19	10	8	5	5	3	4		2	1						
1968										5	18	44	20	47	39	22	32	24	28	30	15	13	7	6	4	4	2	2	2		2		1	1			
1969										2	21	26	17	17	32	57	58	38	25	23	14	9	8	3	5	1	2		4	2				1			
1970										9	43	59	32	34	25	24	32	25	26	21	15	7	4	4	1	2			1					1			
1971								7	8	39	52	62	44	28	29	20	19	12	14	7	9	3	5	3		2	1										
1972									8	57	43	22	22	22	40	31	29	24	26	12	9	10	4	2	1	3											
1973											16	26	16	22	15	38	45	22	48	33	23	21	15	9	8	3	2	1	2								
1974											4	43	50	26	32	26	28	45	20	24	18	16	12	5	6	8	1		1								
1975											8	18	29	54	30	17	12	17	35	27	28	26	14	18	10	8	4	3	2	1	1	2			1		
1976											13	14	28	59	49	29	40	28	22	23	17	15	10	4	5	4	4	1					1				
1977											4	10	30	68	79	34	22	16	24	14	14	20	7	7	8	1		2									
1978												3	50	40	30	49	40	33	24	29	19	8	8	11	5	6	2	3		2	1	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10592	100.00	12	20.0	1029	8040	75.91	24	450.0	127	431	4.07
1	1.2	4	10592	100.00	13	26.0	759	7011	66.19	25	580.0	100	304	2.87
2	1.6	3	10588	99.96	14	34.0	780	6252	59.03	26	760.0	65	204	1.93
3	2.0	3	10585	99.93	15	44.0	871	5472	51.66	27	980.0	40	139	1.31
4	2.6	16	10582	99.91	16	57.0	808	4601	43.44	28	1300.0	24	99	0.93
5	3.4	23	10566	99.75	17	74.0	859	3793	35.81	29	1600.0	26	75	0.71
6	4.4	46	10543	99.54	18	96.0	604	2934	27.70	30	2100.0	17	49	0.46
7	5.6	120	10497	99.10	19	120.0	645	2330	22.00	31	2700.0	15	32	0.30
8	7.3	321	10377	97.97	20	160.0	476	1685	15.91	32	3600.0	13	17	0.16
9	9.4	410	10056	94.94	21	210.0	336	1209	11.41	33	4600.0	3	4	0.04
10	12.0	769	9646	91.07	22	270.0	265	873	8.24	34	6000.0	1	1	0.01
11	16.0	837	8877	83.81	23	350.0	177	608	5.74					

## 03275500 EAST FORK WHITEWATER RIVER AT RICHMOND, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.4  
P90 = 12.6  
P75 = 20.6  
P70 = 23.7  
P50 = 46.6  
P25 = 107.0  
P10 = 237.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1951	18.00 27	20.00 27	22.00 27	28.00 27	51.00 28	57.00 28	67.00 28	74.00 28	90.00 26
1952	9.60 16	11.00 16	12.00 16	13.00 17	14.00 16	16.00 15	17.00 12	20.00 14	51.00 21
1953	6.80 10	7.70 13	10.00 14	12.00 14	13.00 13	14.00 12	14.00 9	16.00 9	24.00 12
1954	4.10 5	4.20 5	4.60 5	5.60 5	7.80 5	8.10 2	8.70 2	9.80 3	12.00 1
1955	1.19 1	1.80 1	2.40 1	3.20 1	4.50 1	11.00 9	13.00 8	15.00 7	16.00 6
1956	1.40 2	2.30 2	3.20 2	5.40 3	6.30 3	9.10 5	20.00 16	27.00 21	35.00 18
1957	2.90 3	3.10 3	3.60 3	4.20 2	5.90 2	6.90 1	8.30 1	9.50 1	14.00 5
1958	12.00 18	13.00 18	14.00 20	15.00 19	17.00 19	24.00 24	25.00 23	28.00 22	86.00 25
1959	37.00 28	38.00 28	41.00 28	41.00 28	44.00 27	51.00 27	61.00 27	66.00 26	141.00 28
1960	6.10 8	6.40 8	7.20 8	7.80 8	9.90 11	14.00 10	17.00 13	19.00 12	26.00 13
1961	3.20 4	3.50 4	4.50 4	5.50 4	7.80 6	8.60 3	10.00 3	11.00 4	12.00 2
1962	12.00 19	13.00 19	13.00 18	14.00 18	15.00 17	18.00 18	21.00 20	24.00 19	37.00 20
1963	12.00 20	13.00 20	14.00 19	17.00 22	17.00 20	22.00 22	21.00 21	22.00 16	26.00 14
1964	5.20 7	5.20 7	5.20 6	6.00 6	7.60 4	9.10 4	10.00 4	9.70 2	12.00 3
1965	6.60 9	7.60 12	8.40 11	8.70 10	9.40 9	10.00 7	11.00 5	12.00 5	17.00 7
1966	7.10 12	7.50 11	8.50 12	9.20 11	9.90 10	11.00 8	12.00 6	17.00 10	20.00 9
1967	7.40 13	7.40 9	7.70 9	9.30 12	13.00 14	17.00 16	17.00 14	22.00 17	34.00 16
1968	14.00 21	15.00 21	15.00 21	16.00 20	17.00 21	19.00 19	20.00 17	22.00 18	36.00 19
1969	14.00 22	15.00 22	16.00 22	18.00 23	19.00 23	23.00 23	36.00 26	71.00 27	105.00 27
1970	16.00 25	16.00 25	20.00 26	21.00 26	23.00 26	25.00 25	29.00 25	49.00 25	54.00 22
1971	14.00 23	15.00 23	16.00 23	17.00 21	17.00 22	19.00 20	21.00 18	21.00 15	26.00 15
1972	8.30 14	8.90 14	9.70 13	12.00 13	12.00 12	15.00 13	16.00 10	16.00 8	19.00 8
1973	9.60 15	11.00 17	12.00 17	13.00 15	14.00 15	16.00 14	21.00 19	25.00 20	54.00 23
1974	17.00 26	17.00 26	18.00 25	19.00 25	20.00 24	21.00 21	22.00 22	35.00 24	67.00 24
1975	14.00 24	15.00 24	16.00 24	18.00 24	21.00 25	26.00 26	28.00 24	28.00 23	35.00 17
1976	9.80 17	10.00 15	11.00 15	13.00 16	16.00 18	18.00 17	18.00 15	20.00 13	23.00 10
1977	7.00 11	7.40 10	7.80 10	8.30 9	8.80 7	9.50 6	12.00 7	13.00 6	13.00 4
1978	5.10 6	5.10 6	6.00 7	7.40 7	8.80 8	14.00 11	16.00 11	17.00 11	23.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	4300.00 7	2790.00 3	1780.00 2	1440.00 1	989.00 1	766.00 1	582.00 1	500.00 1	368.00 1
1951	4260.00 8	1900.00 13	1040.00 13	758.00 9	490.00 11	407.00 9	367.00 6	366.00 3	322.00 2
1952	5340.00 3	2680.00 4	1290.00 8	850.00 8	540.00 8	462.00 4	379.00 4	354.00 4	283.00 4
1953	1360.00 24	827.00 24	653.00 20	475.00 21	289.00 23	187.00 25	176.00 23	155.00 23	131.00 22
1954	552.00 29	310.00 29	208.00 29	190.00 29	159.00 29	98.00 29	77.00 29	66.00 29	51.00 29
1955	958.00 28	591.00 28	401.00 28	343.00 24	276.00 24	214.00 23	179.00 22	163.00 22	123.00 23
1956	4240.00 9	1860.00 14	911.00 15	496.00 19	369.00 17	302.00 16	242.00 19	204.00 19	183.00 15
1957	4230.00 10	2100.00 10	1010.00 14	587.00 14	358.00 18	276.00 18	292.00 13	240.00 13	186.00 13
1958	4140.00 11	2290.00 7	1940.00 1	1120.00 2	670.00 4	612.00 2	466.00 2	401.00 2	300.00 3
1959	8700.00 1	3620.00 1	1700.00 4	920.00 6	763.00 2	496.00 3	378.00 5	320.00 6	242.00 9
1960	1320.00 25	717.00 27	515.00 24	299.00 25	218.00 26	146.00 27	125.00 27	112.00 26	98.00 26
1961	3240.00 14	1590.00 16	1090.00 12	739.00 11	533.00 10	412.00 8	357.00 7	307.00 7	215.00 11
1962	2440.00 17	1230.00 17	620.00 21	511.00 17	383.00 16	288.00 17	250.00 18	212.00 18	168.00 19
1963	4380.00 6	3280.00 2	1670.00 5	997.00 3	685.00 3	446.00 5	322.00 10	252.00 11	176.00 16
1964	2890.00 16	1970.00 12	1150.00 10	695.00 13	466.00 13	417.00 7	305.00 11	244.00 12	169.00 18
1965	1620.00 21	970.00 19	541.00 23	374.00 23	308.00 22	244.00 20	225.00 20	184.00 20	132.00 21
1966	1110.00 27	736.00 26	458.00 27	269.00 28	166.00 28	108.00 28	112.00 28	102.00 27	83.00 27
1967	3120.00 15	2070.00 11	1420.00 6	867.00 7	537.00 9	338.00 13	324.00 9	274.00 8	280.00 5
1968	4400.00 5	2240.00 9	1760.00 3	976.00 4	591.00 5	344.00 11	302.00 12	254.00 10	222.00 10
1969	5950.00 2	2480.00 6	1140.00 11	712.00 12	487.00 12	336.00 14	285.00 14	232.00 16	206.00 12
1970	3770.00 12	1690.00 15	905.00 16	535.00 16	449.00 15	305.00 15	269.00 15	225.00 17	171.00 17

## 03275500 EAST FORK WHITEWATER RIVER AT RICHMOND, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	1660.00	20	910.00	21	719.00	17	434.00	22	322.00	20	226.00	22	169.00	25	153.00	24	117.00	24
1972	1600.00	22	815.00	25	618.00	22	483.00	20	344.00	19	241.00	21	201.00	21	174.00	21	141.00	20
1973	1970.00	19	1090.00	18	714.00	18	576.00	15	451.00	14	340.00	12	265.00	16	239.00	14	249.00	8
1974	1380.00	23	885.00	22	687.00	19	502.00	18	321.00	21	247.00	19	256.00	17	232.00	15	183.00	14
1975	4620.00	4	2570.00	5	1270.00	9	745.00	10	548.00	7	439.00	6	388.00	3	351.00	5	279.00	6
1976	2160.00	18	936.00	20	472.00	25	295.00	26	273.00	25	212.00	24	173.00	24	145.00	25	108.00	25
1977	1280.00	26	879.00	23	471.00	26	281.00	27	188.00	27	163.00	26	126.00	26	101.00	28	72.00	28
1978	3660.00	13	2260.00	8	1300.00	7	922.00	5	550.00	6	374.00	10	331.00	8	266.00	9	253.00	7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	206.00	27
1952	173.00	25
1953	69.00	8
1954	52.00	2
1955	69.00	9
1956	102.00	14
1957	53.00	3
1958	143.00	21
1959	256.00	28
1960	71.00	10
1961	64.00	5
1962	146.00	22
1963	95.00	13
1964	68.00	7
1965	92.00	11
1966	66.00	6
1967	131.00	20
1968	121.00	17
1969	181.00	26
1970	126.00	18
1971	103.00	15
1972	54.00	4
1973	158.00	24
1974	129.00	19
1975	153.00	23
1976	94.00	12
1977	38.00	1
1978	117.00	16

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	223.00	1
1951	194.00	3
1952	156.00	7
1953	76.00	21
1954	32.00	29
1955	73.00	23
1956	111.00	13
1957	103.00	15
1958	208.00	2
1959	139.00	11
1960	62.00	26
1961	116.00	12
1962	102.00	17
1963	99.00	18
1964	90.00	19
1965	74.00	22
1966	52.00	27
1967	170.00	4
1968	156.00	8
1969	161.00	6
1970	103.00	16
1971	69.00	24
1972	84.00	20
1973	169.00	5
1974	109.00	14
1975	154.00	9
1976	67.00	25
1977	43.00	28
1978	150.00	10

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	81.70	32.70	107.00	957.00	567.00	216.00	241.00	111.00	110.00	57.90	70.50	142.00
1951	79.50	285.00	303.00	347.00	456.00	290.00	262.00	101.00	129.00	62.10	20.50	18.00
1952	14.90	75.60	382.00	461.00	273.00	273.00	208.00	70.10	56.50	25.00	19.80	15.60
1953	12.90	19.30	52.40	108.00	77.30	167.00	77.70	273.00	71.30	27.20	12.40	9.24
1954	8.77	11.30	15.50	32.30	24.70	54.80	134.00	31.70	29.80	10.90	25.60	5.41
1955	19.00	19.00	49.00	94.20	217.00	207.00	115.00	45.80	44.20	38.80	9.35	27.60
1956	48.90	294.00	53.10	35.30	373.00	155.00	203.00	91.80	52.30	32.50	10.80	7.28
1957	8.13	13.60	26.50	55.00	86.10	55.30	358.00	188.00	328.00	78.80	22.20	28.30
1958	26.00	59.50	357.00	126.00	61.40	84.80	134.00	254.00	644.00	350.00	323.00	59.10
1959	49.40	87.90	69.80	507.00	411.00	199.00	159.00	105.00	48.80	23.50	16.00	14.80
1960	25.10	40.30	58.70	107.00	183.00	77.10	64.70	83.70	60.50	24.60	15.70	7.91
1961	9.43	13.20	11.60	16.60	69.50	383.00	434.00	201.00	152.00	40.40	32.70	23.60
1962	18.30	28.00	99.40	260.00	212.00	265.00	66.20	103.00	41.50	82.80	27.50	22.90
1963	24.70	26.10	18.60	34.20	42.90	636.00	228.00	78.70	27.70	31.40	17.70	8.59
1964	9.67	12.80	7.81	19.00	16.20	353.00	456.00	91.00	63.90	32.70	13.10	9.93
1965	10.40	15.60	17.60	51.80	173.00	183.00	303.00	69.60	22.50	12.10	10.90	28.60
1966	30.90	19.70	20.50	64.10	157.00	59.60	97.90	93.10	33.30	16.00	22.10	24.50
1967	33.90	195.00	457.00	89.30	129.00	372.00	171.00	406.00	88.30	45.10	21.80	17.40
1968	21.20	26.90	283.00	146.00	106.00	108.00	137.00	535.00	125.00	98.30	233.00	34.40
1969	22.10	116.00	225.00	383.00	177.00	72.60	151.00	169.00	175.00	324.00	83.00	33.10
1970	25.20	76.60	67.00	89.60	163.00	156.00	449.00	77.20	65.80	32.50	30.80	17.50
1971	21.70	24.40	30.10	56.30	329.00	131.00	46.40	116.00	37.50	22.60	14.50	17.20
1972	18.30	15.60	78.20	83.70	59.50	132.00	333.00	141.00	82.40	28.60	16.00	21.30
1973	37.00	319.00	262.00	134.00	117.00	405.00	256.00	98.40	158.00	156.00	59.20	20.50
1974	21.70	56.00	116.00	286.00	165.00	155.00	260.00	97.40	60.10	28.40	29.10	35.80
1975	21.80	39.30	162.00	310.00	480.00	335.00	282.00	118.00	64.10	23.00	17.50	19.20
1976	24.40	20.10	62.20	170.00	192.00	141.00	46.10	28.60	65.50	31.50	17.70	10.40
1977	15.40	16.30	11.50	9.08	80.20	129.00	147.00	43.10	18.50	12.20	22.70	15.20
1978	43.20	47.10	406.00	90.00	49.50	494.00	220.00	245.00	73.40	36.60	51.80	31.10

GREAT MIAMI RIVER BASIN  
03275500 EAST FORK WHITEWATER RIVER AT RICHMOND, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
15.20	17.60	23.50	53.40	73.40	119.00
FIFTIETH PERCENTILE					
21.80	28.00	67.00	94.20	163.00	167.00
SEVENTY FIFTH PERCENTILE					
32.40	76.10	244.00	273.00	245.00	313.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
125.00	77.90	42.80	24.00	15.90	12.60
FIFTIETH PERCENTILE					
203.00	101.00	64.10	32.50	21.80	19.19
SEVENTY FIFTH PERCENTILE					
272.00	179.00	118.00	60.00	31.70	28.40

## 03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN

LOCATION.--Lat 39°43'57", long 84°57'35", in NE¼SW¼ sec.2, T.12 N., R.2 W., Wayne County, Hydrologic Unit 05080003, at downstream side of center pier of bridge on county road at Abington, 3 mi downstream from Elkhorn Creek, 8 mi southwest of Richmond, and at mile 26.7.

DRAINAGE AREA.--200 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1965 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 791.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--20 years, 231 ft<sup>3</sup>/s, 15.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,400 ft<sup>3</sup>/s July 20, 1969, gage height, 16.18 ft; minimum daily, 14 ft<sup>3</sup>/s Sept. 11, 15, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1966				10	29	34	47	39	37	28	32	19	29	8	19	9	5	7	4	3	3		1		1		1									
1967				15	24	17	21	17	9	20	23	34	21	34	24	19	17	10	16	6	8	8	6	2	3	3	4			1	1	2				
1968				4	6	8	14	22	35	48	21	24	25	23	18	28	19	12	18	8	8	6	4	2	4	2			4		1	1			1	
1969					9	25	27	15	14	28	37	29	39	38	20	11	21	14	10	2	8	5	3	2					1	3	1	2			1	
1970					3	55	44	38	24	27	13	24	15	26	23	21	15	11	6	7	3	3	1	3						1	1				1	
1971					20	27	35	40	49	29	35	23	24	12	14	11	8	7	5	7	4	3	2	3	2			1	1	1	1		1			
1972					18	41	50	20	17	17	26	20	34	16	19	20	11	16	10	8	7	8	2	1			1	3			1					
1973						19	24	15	10	13	15	45	22	31	23	24	23	21	17	16	15	9	6	3	5	2	3	2			2					
1974						41	43	28	26	20	16	27	13	42	17	21	15	6	13	10	6	2	3	9	6					1						
1975				9	9	23	23	40	20	12	18	9	21	10	34	20	23	18	16	13	13	9	6	5	3	1	1	2	3	2				1		1
1976				13	18	22	19	45	31	33	21	23	21	27	14	22	14	10	5	7	3	3	5	5	3	1							1			
1977			6	11	75	69	39	29	13	11	13	20	11	13	5	16	10	6	2	8	2		2		1	1				1	1					
1978						1	25	22	35	29	34	35	30	14	26	17	16	13	17	9	9	6	10	4	5			2	1	1	1	1			2	
1979							5	5	16	19	11	19	37	18	47	40	30	26	20	10	11	12	6	5	6	4		6	4	2	2	3	1			
1980						2	7	7	9	13	25	15	33	27	53	38	21	27	21	17	14	7	7	9	2	5				4	2	1				
1981						26	78	28	22	24	13	24	24	13	21	18	19	14	12	7	9	6	1	3	2	1										
1982						13	47	38	29	20	20	15	29	11	29	21	15	14	13	13	11	4	7	4	5			3		1	1	1	1			
1983			12	7	22	10	42	28	10	9	10	25	31	53	17	27	16	10	11	7	4	1	4	2	2		2		2	1						
1984				1	4	6	14	18	30	21	33	25	20	34	16	32	19	22	11	12	13	9	9	3	5	2	4	2		1						
1985						18	9	14	23	16	14	23	32	37	22	36	21	23	16	15	12	9	4	4	2	4	3	2	1	3		1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	7305	100.00	12	110.0	616	3703	50.69	24	1100.0	56	215	2.94
1	14.0	18	7305	100.00	13	140.0	328	3087	42.26	25	1300.0	41	159	2.18
2	17.0	32	7287	99.75	14	160.0	590	2759	37.77	26	1600.0	25	118	1.62
3	20.0	138	7255	99.32	15	200.0	417	2169	29.69	27	1900.0	25	93	1.27
4	25.0	220	7117	97.43	16	240.0	352	1752	23.98	28	2300.0	22	68	0.93
5	30.0	323	6897	94.41	17	290.0	287	1400	19.16	29	2800.0	16	46	0.63
6	36.0	600	6574	89.99	18	350.0	248	1113	15.24	30	3400.0	12	30	0.41
7	44.0	517	5974	81.78	19	420.0	205	865	11.84	31	4100.0	10	18	0.25
8	53.0	471	5457	74.70	20	510.0	160	660	9.03	32	5000.0	2	8	0.11
9	64.0	401	4986	68.25	21	620.0	121	500	6.84	33	6000.0	5	6	0.08
10	77.0	472	4585	62.77	22	750.0	92	379	5.19	34	7300.0	1	1	0.01
11	93.0	410	4113	56.30	23	900.0	72	287	3.93					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	29.0
P90 =	36.0
P75 =	52.6
P70 =	61.0
P50 =	112.0
P25 =	233.0
P10 =	479.0



## CONVERSION FACTORS

For use of readers who prefer to use metric (International System) units, rather than the inch-pound units used in this report, the following conversion factors may be used:

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain metric unit</u>
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
square foot (ft <sup>2</sup> )	0.09290	square meter
mile (mi)	1.609	kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometer
inch per year (in./yr)	2.54	centimeter per year
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second

Sea Level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

## 03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1967	21.00 5	22.00 5	24.00 5	26.00 4	33.00 7	37.00 7	41.00 7	48.00 7	68.00 7
1968	26.00 6	27.00 6	28.00 6	30.00 6	31.00 5	34.00 3	39.00 6	50.00 9	81.00 9
1969	46.00 18	46.00 18	48.00 18	53.00 18	55.00 18	61.00 17	79.00 18	146.00 18	208.00 18
1970	36.00 16	37.00 16	40.00 17	42.00 15	48.00 15	50.00 14	57.00 14	99.00 17	108.00 16
1971	35.00 13	35.00 13	36.00 13	38.00 12	39.00 12	48.00 13	51.00 13	56.00 11	63.00 6
1972	26.00 7	27.00 7	28.00 7	30.00 7	30.00 4	35.00 4	37.00 3	37.00 2	47.00 2
1973	26.00 8	27.00 8	29.00 8	31.00 8	33.00 6	36.00 5	44.00 8	48.00 8	102.00 14
1974	38.00 17	39.00 17	39.00 14	40.00 13	44.00 14	45.00 12	49.00 11	71.00 14	141.00 17
1975	36.00 14	37.00 14	39.00 15	47.00 17	51.00 16	60.00 16	66.00 16	65.00 13	98.00 12
1976	20.00 4	21.00 4	22.00 4	27.00 5	34.00 8	37.00 8	38.00 4	43.00 5	50.00 3
1977	17.00 3	18.00 3	18.00 2	20.00 2	21.00 2	23.00 1	26.00 1	28.00 1	27.00 1
1978	16.00 2	16.00 2	18.00 3	22.00 3	25.00 3	36.00 6	39.00 5	40.00 4	51.00 4
1979	36.00 15	37.00 15	40.00 16	45.00 16	51.00 17	78.00 18	78.00 17	86.00 16	108.00 15
1980	52.00 19	56.00 19	73.00 19	84.00 19	110.00 19	139.00 19	213.00 19	325.00 19	293.00 19
1981	30.00 9	31.00 9	32.00 9	33.00 9	35.00 10	43.00 11	46.00 9	46.00 6	78.00 8
1982	31.00 11	32.00 11	33.00 10	35.00 11	36.00 11	42.00 10	49.00 10	52.00 10	90.00 11
1983	32.00 12	32.00 12	33.00 11	33.00 10	34.00 9	41.00 9	51.00 12	61.00 12	82.00 10
1984	14.00 1	15.00 1	15.00 1	16.00 1	18.00 1	23.00 2	28.00 2	39.00 3	61.00 5
1985	30.00 10	31.00 10	35.00 12	40.00 14	43.00 13	56.00 15	60.00 15	73.00 15	102.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1966	1820.00 19	1180.00 19	749.00 20	455.00 20	293.00 20	195.00 20	195.00 20	180.00 20	150.00 20
1967	4850.00 7	3310.00 5	2200.00 5	1270.00 6	776.00 8	580.00 9	573.00 6	486.00 7	466.00 4
1968	7250.00 2	4260.00 2	3180.00 1	1910.00 1	1160.00 1	674.00 4	594.00 4	497.00 4	415.00 8
1969	6610.00 4	3400.00 4	1710.00 7	1300.00 5	916.00 6	638.00 8	541.00 7	448.00 10	399.00 10
1970	6200.00 5	2690.00 9	1410.00 12	808.00 14	749.00 10	519.00 12	463.00 13	402.00 13	311.00 13
1971	4190.00 11	2100.00 12	1630.00 9	985.00 11	763.00 9	514.00 13	384.00 15	348.00 14	267.00 16
1972	3020.00 13	1480.00 17	1190.00 15	951.00 12	681.00 12	474.00 15	399.00 14	346.00 15	289.00 14
1973	3500.00 12	2160.00 10	1490.00 11	1170.00 7	908.00 7	671.00 5	521.00 9	468.00 8	474.00 3
1974	2880.00 15	1820.00 16	1400.00 13	1030.00 10	641.00 14	483.00 14	493.00 10	445.00 11	371.00 11
1975	7870.00 1	4810.00 1	2400.00 2	1380.00 4	1010.00 3	807.00 2	724.00 1	663.00 1	527.00 1
1976	4520.00 8	2010.00 13	1020.00 18	565.00 19	550.00 16	405.00 17	353.00 16	300.00 17	221.00 18
1977	2880.00 16	1990.00 14	1050.00 16	608.00 17	400.00 19	338.00 19	267.00 19	212.00 19	153.00 19
1978	6770.00 3	4050.00 3	2300.00 3	1620.00 2	997.00 4	669.00 6	587.00 5	489.00 6	458.00 5
1979	4280.00 9	2710.00 8	2260.00 4	1500.00 3	1070.00 2	819.00 1	611.00 3	491.00 5	523.00 2
1980	2930.00 14	2120.00 11	1500.00 10	898.00 13	634.00 15	525.00 11	488.00 11	450.00 9	402.00 9
1981	1520.00 20	1030.00 20	753.00 19	586.00 18	518.00 17	428.00 16	346.00 17	315.00 16	271.00 15
1982	5480.00 6	2960.00 6	1740.00 6	1050.00 8	977.00 5	760.00 3	631.00 2	559.00 2	437.00 6
1983	2320.00 18	1970.00 15	1200.00 14	725.00 16	516.00 18	362.00 18	281.00 18	258.00 18	251.00 17
1984	2610.00 17	1420.00 18	1040.00 17	794.00 15	648.00 13	574.00 10	480.00 12	414.00 12	342.00 12
1985	4250.00 10	2930.00 7	1670.00 8	1040.00 9	747.00 11	646.00 7	527.00 8	502.00 3	417.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1967	220.00 8
1968	225.00 10
1969	353.00 18
1970	232.00 11
1971	214.00 7
1972	120.00 2
1973	303.00 16
1974	255.00 12
1975	307.00 17
1976	192.00 6
1977	78.00 1
1978	224.00 9
1979	272.00 13
1980	396.00 19
1981	183.00 4
1982	288.00 15
1983	153.00 3
1984	188.00 5
1985	285.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1966	100.00 19
1967	291.00 7
1968	298.00 5
1969	306.00 4
1970	193.00 13
1971	160.00 16
1972	172.00 14
1973	327.00 2
1974	226.00 11
1975	295.00 6
1976	140.00 18
1977	92.00 20
1978	278.00 8
1979	388.00 1
1980	313.00 3
1981	161.00 15
1982	252.00 10
1983	151.00 17
1984	216.00 12
1985	256.00 9

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	60.50	47.70	57.60	126.00	273.00	120.00	156.00	175.00	62.80	45.30	43.70	51.10
1967	64.30	311.00	676.00	148.00	229.00	664.00	294.00	724.00	183.00	109.00	42.10	31.90
1968	46.90	82.20	546.00	243.00	188.00	192.00	237.00	1049.0	262.00	234.00	394.00	74.90
1969	56.50	227.00	437.00	708.00	374.00	166.00	319.00	323.00	300.00	536.00	154.00	63.10
1970	48.20	159.00	132.00	219.00	256.00	278.00	748.00	172.00	134.00	59.70	81.80	41.00
1971	56.00	58.90	93.50	125.00	781.00	274.00	100.00	265.00	83.80	61.70	33.70	39.60
1972	38.20	38.10	183.00	181.00	130.00	275.00	659.00	275.00	152.00	54.90	36.20	43.60
1973	60.20	558.00	499.00	250.00	221.00	823.00	486.00	177.00	319.00	350.00	134.00	46.20
1974	46.00	117.00	207.00	585.00	297.00	293.00	484.00	252.00	213.00	80.70	65.10	81.60
1975	52.00	99.10	310.00	574.00	901.00	619.00	559.00	235.00	119.00	43.00	37.20	41.90
1976	56.90	47.60	180.00	389.00	370.00	239.00	88.70	55.90	138.00	67.50	34.20	21.80
1977	31.90	32.70	26.50	21.30	163.00	256.00	324.00	99.80	37.50	35.80	54.80	33.50
1978	88.80	82.50	757.00	180.00	85.30	884.00	397.00	415.00	161.00	76.30	113.00	66.20
1979	104.00	134.00	397.00	352.00	460.00	592.00	478.00	207.00	132.00	773.00	773.00	242.00
1980	166.00	552.00	388.00	237.00	205.00	576.00	386.00	337.00	419.00	187.00	231.00	66.60
1981	44.90	47.80	54.70	36.70	276.00	126.00	274.00	464.00	250.00	216.00	92.00	55.10
1982	44.80	53.10	147.00	642.00	710.00	529.00	300.00	214.00	193.00	63.70	110.00	51.30
1983	34.00	99.60	317.00	164.00	179.00	113.00	271.00	442.00	87.30	55.90	27.50	19.90
1984	66.20	188.00	285.00	98.30	217.00	491.00	626.00	304.00	116.00	86.00	66.20	57.80
1985	99.40	219.00	466.00	270.00	543.00	593.00	319.00	287.00	116.00	79.30	68.00	29.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
45.20	49.10	136.00	132.00	192.00	204.00
FIFTIETH PERCENTILE					
56.20	99.30	298.00	228.00	265.00	286.00
SEVENTY FIFTH PERCENTILE					
65.70	211.00	459.00	380.00	439.00	593.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
272.00	185.00	116.00	56.80	38.40	35.00
FIFTIETH PERCENTILE					
322.00	270.00	145.00	77.80	67.10	48.60
SEVENTY FIFTH PERCENTILE					
486.00	396.00	241.00	209.00	129.00	65.40

## 03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN

LOCATION.--Lat 39°26'02", long 85°00'12", in NE¼NE¼ sec.20, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, on right bank 100 ft upstream from bridge on State Highway 101, at Brookville, 0.4 mi downstream from Brookville Lake, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--380 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1954 to September 1985.

GAGE.--None. Datum of gage was 621.76 ft above National Geodetic Vertical Datum of 1929. Prior to May 22, 1954, nonrecording gage at site 100 ft downstream at datum 2.00 ft higher. May 22, 1954 to Aug. 20, 1965, water-stage recorder at site 165 ft downstream at datum 2.00 ft higher. Aug. 21, 1965 to Sept. 30, 1981, water-stage recorder at site described in "LOCATION" paragraph.

REMARKS.--Flow regulated by Brookville Lake since January 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1981.

AVERAGE DISCHARGE.--31 years, 400 ft<sup>3</sup>/s, 14.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,100 ft<sup>3</sup>/s Jan. 21, 1959; maximum gage height, 17.35 ft May 24, 1968; no flow, July 27, 1982.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1955		9	13	7	30	36	38	13	20	15	25	23	20	25	14	18	21	13	5	3	7	2	2	2	2	2										
1956				23	10	20	11	12	26	38	40	20	15	18	27	22	20	17	13	11	11	3	1		3	2	2									
1957			5	19	30	42	12	24	19	20	32	36	24	22	20	13	7	11	6	4	5	2	4	2		2	1	1	1	1						
1958				2	19	10	4	7	13	27	42	40	30	39	23	25	16	14	11	13	5	7	2	3	5	2	3	2	1							
1959			1	12	14	12	22	17	20	35	35	20	23	26	30	16	25	20	14	5	6	4	1		1	1	2					2			1	
1960		3	9	18	17	20	22	37	6	34	56	37	32	24	17	10	4	6	8	2		1	1	1		1										
1961			1	26	47	48	20	24	16	18	22	19	17	10	12	12	16	10	8	9	7	8	5	4	1	2										
1962				1	26	38	27	27	22	28	33	38	24	18	22	20	10	9	4	4	3	2	2	3	2	1										
1963			21	11	19	56	62	31	18	22	23	9	19	6	10	9	11	13	7	3	4	1	4	1	2										1	
1964		8	6	49	77	30	20	30	18	10	15	19	6	10	6	15	7	6	7	6	3	5	2	3	1	2	1	1								
1965		2	18	20	34	30	39	28	16	15	27	13	6	11	14	21	14	6	10	10	5	2	5	1	1	1	2									
1966			5	21	17	25	33	51	23	44	40	23	22	11	14	10	4	5	10	2	2	1		1	1											
1967			1	24	30	18	15	5	14	36	28	32	24	27	24	12	15	12	11	11	6	7	2	3	2	3	1	2								
1968				5	14	12	28	13	25	44	26	29	25	26	23	21	19	19	8	5	9	1	3	3		4	1	2							1	
1969				8	45	14	16	15	29	27	41	50	32	22	20	11	12	4	6	3	3	1	1	1	1	1	1	1	2	1						
1970				3	24	50	29	22	31	39	20	14	25	28	25	18	8	10	6	4	2	2	1	2												
1971			3	3	11	17	16	19	39	33	45	38	27	23	20	15	14	10	6	7	5	2	4	2	1	1	2	1								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	180.0	401	2884	46.45	24	2200.0	27	135	2.17
1	17.0	19	6209	100.00	13	220.0	401	2483	39.99	25	2800.0	29	108	1.74
2	21.0	43	6190	99.69	14	270.0	340	2082	33.53	26	3400.0	22	79	1.27
3	26.0	121	6147	99.00	15	330.0	380	1742	28.06	27	4200.0	20	57	0.92
4	32.0	283	6026	97.05	16	410.0	304	1362	21.94	28	5200.0	9	37	0.60
5	40.0	302	5743	92.49	17	510.0	248	1058	17.04	29	6400.0	15	28	0.45
6	49.0	449	5441	87.63	18	630.0	194	810	13.05	30	8000.0	7	13	0.21
7	61.0	408	4992	80.40	19	770.0	167	616	9.92	31	9800.0	3	6	0.10
8	75.0	437	4584	73.83	20	960.0	113	449	7.23	32	12000.0	0	3	0.05
9	93.0	289	4147	66.79	21	1200.0	90	336	5.41	33	15000.0	2	3	0.05
10	110.0	444	3858	62.14	22	1500.0	61	246	3.96	34	19000.0	1	1	0.02
11	140.0	530	3414	54.98	23	1800.0	50	185	2.98					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 35.6  
P90 = 44.6  
P75 = 72.5  
P70 = 84.8  
P50 = 163.0  
P25 = 370.0  
P10 = 766.0

## 03276000 EAST FORK WHITENWATER RIVER AT BROOKVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1955	20.00 3	20.00 3	21.00 3	22.00 2	23.00 1	32.00 3	36.00 3	41.00 3	48.00 3
1956	19.00 2	19.00 2	19.00 1	22.00 3	31.00 4	48.00 7	102.00 15	119.00 14	148.00 12
1957	30.00 7	31.00 7	31.00 7	32.00 6	36.00 7	38.00 5	43.00 5	46.00 5	69.00 5
1958	38.00 11	39.00 10	40.00 10	43.00 10	49.00 11	65.00 11	70.00 10	86.00 10	206.00 15
1959	92.00 17	98.00 17	104.00 17	111.00 17	117.00 17	137.00 17	163.00 17	175.00 16	384.00 17
1960	31.00 9	32.00 9	34.00 9	36.00 9	42.00 8	56.00 10	62.00 9	68.00 8	87.00 7
1961	25.00 4	25.00 4	26.00 4	29.00 5	34.00 5	36.00 4	40.00 4	43.00 4	51.00 4
1962	49.00 14	49.00 13	50.00 13	53.00 12	65.00 13	76.00 14	82.00 12	102.00 13	141.00 11
1963	47.00 13	50.00 14	55.00 14	59.00 14	62.00 12	75.00 12	75.00 11	89.00 11	95.00 8
1964	26.00 5	26.00 5	26.00 5	26.00 4	27.00 3	29.00 2	32.00 2	33.00 2	40.00 1
1965	17.00 1	18.00 1	19.00 2	21.00 1	24.00 2	26.00 1	28.00 1	31.00 1	47.00 2
1966	30.00 8	31.00 8	31.00 6	35.00 7	36.00 6	44.00 6	54.00 6	63.00 6	78.00 6
1967	29.00 6	30.00 6	33.00 8	35.00 8	45.00 9	51.00 9	60.00 8	69.00 9	118.00 10
1968	38.00 10	40.00 11	41.00 11	44.00 11	46.00 10	50.00 8	57.00 7	67.00 7	149.00 13
1969	74.00 16	75.00 16	77.00 16	80.00 16	81.00 16	97.00 16	118.00 16	243.00 17	328.00 16
1970	58.00 15	59.00 15	61.00 15	65.00 15	70.00 14	76.00 13	87.00 13	156.00 15	174.00 14
1971	46.00 12	47.00 12	48.00 12	58.00 13	72.00 15	87.00 15	90.00 14	98.00 12	106.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	3150.00 17	2460.00 15	1420.00 17	1200.00 15	990.00 15	745.00 15	609.00 15	511.00 15	395.00 15
1956	8800.00 8	4700.00 11	2470.00 12	1610.00 12	1190.00 14	1010.00 10	858.00 12	743.00 10	647.00 7
1957	8920.00 7	5660.00 6	3580.00 6	2080.00 9	1260.00 12	1050.00 9	909.00 9	753.00 9	608.00 8
1958	8380.00 9	5310.00 8	4300.00 4	2560.00 4	1650.00 6	1590.00 2	1300.00 1	1170.00 1	893.00 1
1959	21600.00 1	11300.00 1	5410.00 2	2990.00 2	2640.00 1	1720.00 1	1300.00 2	1110.00 2	828.00 3
1960	3490.00 15	2200.00 17	1720.00 15	1050.00 16	689.00 16	472.00 16	408.00 16	361.00 17	334.00 16
1961	8940.00 6	5650.00 7	3040.00 10	2300.00 6	1780.00 4	1300.00 5	1190.00 3	1020.00 3	731.00 5
1962	6560.00 13	4740.00 10	2500.00 11	1780.00 11	1450.00 9	971.00 12	870.00 11	740.00 11	586.00 9
1963	16400.00 3	9810.00 3	4760.00 3	2830.00 3	1920.00 3	1300.00 6	987.00 6	782.00 7	551.00 11
1964	9820.00 4	5910.00 4	3580.00 5	2140.00 3	1480.00 8	1320.00 3	961.00 8	757.00 8	526.00 13
1965	4280.00 14	3370.00 14	2010.00 14	1320.00 14	1230.00 13	973.00 11	883.00 10	735.00 12	530.00 12
1966	3300.00 16	2260.00 16	1430.00 16	899.00 17	590.00 17	435.00 17	385.00 17	368.00 16	318.00 17
1967	6960.00 12	5050.00 9	3340.00 7	2270.00 7	1510.00 7	1110.00 8	1080.00 4	921.00 4	817.00 4
1968	18600.00 2	10400.00 2	6710.00 1	3740.00 1	2250.00 2	1300.00 4	1060.00 5	888.00 5	831.00 2
1969	8970.00 5	5800.00 5	3140.00 9	2370.00 5	1670.00 5	1160.00 7	970.00 7	814.00 6	715.00 6
1970	8300.00 10	4230.00 12	2280.00 13	1390.00 13	1300.00 11	942.00 13	835.00 13	718.00 13	554.00 10
1971	7670.00 11	4080.00 13	3320.00 8	2000.00 10	1370.00 10	940.00 14	707.00 14	636.00 14	511.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1955	206.00 1
1956	367.00 10
1957	237.00 3
1958	454.00 14
1959	792.00 17
1960	245.00 5
1961	239.00 4
1962	504.00 15
1963	299.00 7
1964	229.00 2
1965	313.00 8
1966	264.00 6
1967	365.00 9
1968	444.00 13
1969	634.00 16
1970	372.00 11
1971	385.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	242.00 15
1956	420.00 6
1957	347.00 9
1958	630.00 1
1959	476.00 5
1960	216.00 16
1961	397.00 7
1962	360.00 8
1963	310.00 11
1964	281.00 14
1965	293.00 13
1966	201.00 17
1967	512.00 3
1968	553.00 2
1969	505.00 4
1970	338.00 10
1971	305.00 12

## GREAT MIAMI RIVER BASIN

03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1954	*	*	*	*	*	*	299.00	129.00	137.00	65.50	62.30	26.40
1955	38.70	44.50	99.60	211.00	577.00	813.00	429.00	167.00	161.00	200.00	44.10	148.00
1956	174.00	974.00	237.00	149.00	1199.0	580.00	794.00	417.00	300.00	189.00	55.90	38.70
1957	38.00	54.00	134.00	218.00	395.00	232.00	1260.0	793.00	660.00	247.00	78.90	75.80
1958	70.40	210.00	1083.0	429.00	222.00	308.00	495.00	1023.0	1507.0	1073.0	923.00	175.00
1959	122.00	195.00	210.00	1570.0	1530.0	731.00	489.00	505.00	215.00	87.70	62.60	63.30
1960	65.80	100.00	178.00	293.00	652.00	249.00	224.00	261.00	303.00	204.00	55.30	35.10
1961	36.60	52.80	49.30	81.30	307.00	1256.0	1125.0	998.00	467.00	173.00	139.00	81.40
1962	84.80	120.00	337.00	752.00	804.00	994.00	310.00	316.00	148.00	271.00	79.20	123.00
1963	87.10	93.50	62.00	125.00	159.00	1785.0	750.00	366.00	102.00	90.20	49.50	29.70
1964	29.00	38.00	35.40	69.30	70.80	1107.0	1458.0	276.00	145.00	83.50	35.20	26.40
1965	24.80	39.90	71.80	264.00	645.00	730.00	1205.0	283.00	98.20	65.00	40.90	88.40
1966	114.00	85.90	111.00	331.00	553.00	229.00	288.00	407.00	112.00	83.50	58.60	60.90
1967	78.20	445.00	1073.0	233.00	372.00	1157.0	537.00	1470.0	449.00	184.00	73.00	46.40
1968	58.50	99.20	1068.0	527.00	407.00	385.00	466.00	2068.0	432.00	440.00	512.00	124.00
1969	85.10	372.00	772.00	1300.0	702.00	308.00	555.00	562.00	464.00	601.00	246.00	99.70
1970	69.90	238.00	239.00	276.00	564.00	558.00	1305.0	303.00	240.00	110.00	114.00	76.50
1971	99.80	112.00	195.00	245.00	1403.0	520.00	190.00	477.00	270.00	112.00	58.60	60.80

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
38.30	53.40	85.70	180.00	340.00	308.00
FIFTIETH PERCENTILE					
70.40	100.00	195.00	264.00	564.00	580.00
SEVENTY FIFTH PERCENTILE					
93.40	224.00	555.00	478.00	753.00	1051.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
307.00	281.00	143.00	86.60	53.80	37.80
FIFTIETH PERCENTILE					
516.00	412.00	255.00	179.00	62.40	69.50
SEVENTY FIFTH PERCENTILE					
1145.00	844.00	453.00	253.00	120.00	106.00

## 03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN--Continued

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
1975										38	17	8	NUMBER OF DAYS IN CLASS																										
1976										1	134	80	1	4	1	1	6	2	10	16	20	36	13	6	8	9	4	5	4	1	1	1	2						
1977				1				1	12	27	73	18	68	20	6	15	2	29	11	7	12	25	22	3	1		3	2	1	3	1	2							
1978		1	1	2				1	1			3	27	16	8	15	22	28	28	22	30	21	39	11	15	12	24	10	5	2	8	5	7	1					
1979													1	11	4	12	14	34	50	25	27	57	14	18	33	10	13	10	11	6	4	10	1						
1980												3	16	2	1	8	6	27	30	41	26	23	50	11	18	35	10	24	9	17	9								
1981						1	6	1	1	1	24	95	16	20	20	10	40	10	14	13	34	20	7	8	6	7	5	5	1										
1982	1				1	1	3	3	6	1	1	24	88	2	4	9	1	4	26	6	9	43	18	13	14	21	23	12	3	12	7	9							
1983					5	5	2	3				88	58	1	1	13	3	3	23	16	11	42	28	6	14	3	20	2	4	10		2	2						
1984											1	57	5	2	1	11	3	5	34	20	11	62	47	6	53	5	15	7	9	7	3	1	1						
1985												7	85	2		17	6	6	26	9	8	53	47	2	10	9	35	12	10	8	13								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	1	4018	100.00	12	49.0	445	3353	83.45	24	640.0	188	824	20.51
1	4.7	1	4017	99.98	13	61.0	103	2908	72.37	25	800.0	140	636	15.83
2	5.8	1	4016	99.95	14	76.0	54	2805	69.81	26	990.0	158	496	12.34
3	7.2	2	4015	99.93	15	94.0	149	2751	68.47	27	1200.0	94	338	8.41
4	8.9	2	4013	99.88	16	120.0	75	2602	64.76	28	1500.0	64	244	6.07
5	11.0	6	4011	99.83	17	140.0	194	2527	62.89	29	1900.0	71	180	4.48
6	14.0	9	4005	99.68	18	180.0	259	2333	58.06	30	2300.0	51	109	2.71
7	17.0	13	3996	99.45	19	220.0	206	2074	51.62	31	2900.0	33	58	1.44
8	21.0	23	3983	99.13	20	270.0	181	1868	46.49	32	3600.0	20	25	0.62
9	26.0	68	3960	98.56	21	340.0	413	1687	41.99	33	4400.0	4	5	0.12
10	32.0	227	3892	96.86	22	420.0	336	1274	31.71	34	5500.0	1	1	0.02
11	40.0	312	3665	91.21	23	520.0	114	938	23.34					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 34.6  
 P90 = 41.4  
 P75 = 58.2  
 P70 = 74.8  
 P50 = 236.0  
 P25 = 500.0  
 P10 = 1110.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1976	27.00 6	28.00 6	28.00 4	29.00 2	29.00 1	31.00 1	54.00 2	69.00 3	167.00 3
1977	10.00 5	18.00 4	30.00 6	33.00 3	34.00 3	35.00 2	36.00 1	36.00 1	37.00 1
1978	4.70 2	19.00 5	25.00 3	27.00 1	32.00 2	41.00 3	55.00 3	59.00 2	104.00 2
1979	7.70 3	12.00 1	29.00 5	43.00 8	130.00 9	202.00 9	242.00 9	272.00 9	327.00 9
1980	60.00 10	61.00 10	62.00 10	99.00 10	184.00 10	209.00 10	265.00 10	383.00 10	545.00 10
1981	47.00 9	48.00 9	48.00 9	51.00 9	57.00 8	68.00 6	139.00 8	179.00 8	233.00 5
1982	10.00 4	13.00 2	20.00 2	33.00 4	40.00 4	52.00 5	101.00 6	125.00 5	224.00 4
1983	0.00 1	13.00 3	13.00 1	38.00 5	40.00 5	74.00 7	109.00 7	157.00 7	260.00 7
1984	41.00 8	41.00 7	41.00 7	41.00 6	42.00 6	49.00 4	58.00 4	85.00 4	239.00 6
1985	35.00 7	42.00 8	42.00 8	42.00 7	42.00 7	95.00 8	99.00 5	136.00 6	273.00 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1975	5890.00 1	5610.00 1	4530.00 1	2720.00 1	1790.00 2	1350.00 2	1200.00 2	1160.00 1	949.00 1
1976	4310.00 4	3250.00 6	1820.00 9	1140.00 9	1050.00 9	755.00 9	620.00 8	593.00 8	475.00 9
1977	3160.00 8	2280.00 10	1180.00 11	1090.00 10	684.00 11	504.00 11	366.00 11	313.00 11	282.00 11
1978	4610.00 2	4280.00 2	4060.00 2	2510.00 2	1520.00 5	1040.00 5	866.00 5	877.00 4	775.00 5
1979	3700.00 6	3530.00 4	3370.00 4	2000.00 6	1530.00 3	1070.00 4	808.00 7	690.00 7	710.00 6
1980	2710.00 9	2580.00 8	2390.00 7	1980.00 7	1420.00 6	1120.00 3	971.00 4	836.00 5	806.00 4
1981	1940.00 11	1710.00 11	1300.00 10	998.00 11	910.00 10	575.00 10	462.00 10	409.00 10	336.00 10
1982	3440.00 7	3430.00 5	3390.00 3	2350.00 3	2060.00 1	1510.00 1	1220.00 1	1030.00 2	842.00 2
1983	4360.00 3	3930.00 3	3030.00 5	2200.00 4	1360.00 7	766.00 8	585.00 9	572.00 9	511.00 8
1984	3940.00 5	3190.00 7	2000.00 8	1410.00 8	1120.00 8	963.00 7	832.00 6	751.00 6	700.00 7
1985	2600.00 10	2530.00 9	2520.00 6	2060.00 5	1530.00 4	974.00 6	1000.00 3	911.00 3	819.00 3

GREAT MIAMI RIVER BASIN  
03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	385.00	4
1977	139.00	1
1978	443.00	5
1979	476.00	7
1980	685.00	10
1981	344.00	2
1982	520.00	8
1983	369.00	3
1984	451.00	6
1985	587.00	9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	544.00	5
1976	256.00	9
1977	187.00	11
1978	564.00	3
1979	575.00	2
1980	625.00	1
1981	248.00	10
1982	545.00	4
1983	363.00	8
1984	491.00	7
1985	533.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1975	312.00	569.00	499.00	904.00	800.00	1678.0	883.00	528.00	145.00	48.80	30.40	144.00
1976	480.00	499.00	386.00	752.00	706.00	42.80	41.80	37.20	34.80	36.50	36.90	38.60
1977	252.00	371.00	53.60	35.00	426.00	329.00	323.00	185.00	37.20	88.30	37.90	137.00
1978	477.00	537.00	1409.0	392.00	382.00	1276.0	278.00	815.00	394.00	174.00	257.00	342.00
1979	358.00	470.00	619.00	669.00	189.00	1109.0	598.00	224.00	244.00	508.00	1497.0	358.00
1980	517.00	1107.0	1110.0	552.00	422.00	1051.0	316.00	531.00	670.00	402.00	647.00	153.00
1981	276.00	406.00	98.80	57.10	444.00	142.00	61.50	666.00	454.00	226.00	125.00	41.60
1982	372.00	532.00	232.00	619.00	2003.0	1019.0	389.00	353.00	715.00	254.00	127.00	44.40
1983	375.00	625.00	410.00	600.00	429.00	121.00	106.00	1324.0	155.00	70.40	54.30	70.60
1984	492.00	838.00	758.00	259.00	497.00	767.00	1061.0	648.00	231.00	125.00	131.00	97.60
1985	500.00	912.00	812.00	753.00	788.00	1003.0	299.00	716.00	308.00	139.00	111.00	56.80

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
312.00	470.00	232.00	259.00	422.00	142.00
FIFTIETH PERCENTILE					
375.00	537.00	499.00	600.00	444.00	1003.00
SEVENTY FIFTH PERCENTILE					
492.00	838.00	812.00	752.00	788.00	1109.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
106.00	224.00	145.00	70.40	37.90	44.40
FIFTIETH PERCENTILE					
316.00	531.00	244.00	139.00	125.00	97.60
SEVENTY FIFTH PERCENTILE					
598.00	716.00	454.00	254.00	257.00	153.00



03276500 WHITEWATER RIVER AT BROOKVILLE, IN  
(National stream-quality accounting network station)

LOCATION.--Lat 39°24'24", long 85°00'46", in NE¼NW¼ sec.32, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, on right bank at downstream side of highway bridge, 0.3 mi downstream from East Fork Whitewater River, 1.1 mi south of Brookville, and at mile 29.3.

DRAINAGE AREA.--1,224 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1915 to September 1917, October 1917 to May 1920 (gage heights only), and July 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 595.71 ft above National Geodetic Vertical Datum of 1929. Prior to July 1923, nonrecording gage at same site at datum 1.5 ft higher. July 1923 to Sept. 27, 1928, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Brookville Lake since January 1974.

AVERAGE DISCHARGE.--64 years (water years 1916-17, 1924 to 1985), 1,276 ft<sup>3</sup>/s, 14.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,800 ft<sup>3</sup>/s Jan. 21, 1959, gage height, 27.78 ft, from rating curve extended above 45,000 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow; minimum daily, 60 ft<sup>3</sup>/s July 27, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913, reached a stage of 39.0 ft, at present datum, from floodmarks (discharge not determined).

\*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1916						15	12	21	32	33	22	22	21	19	30	21	32	23	23	5	11	8	3	5				1	3	2	1				1	
1917						46	66	32	11	24	18	23	32	18	19	16	12	10	10	6	8	5	1	1	2			1	2	1	1					
1924							1	39	47	37	10	6	4	10	22	30	31	24	36	25	13	5	8	6	5	2		1	2	1	1					
1925					11	7	49	48	45	60	29	29	20	18	12	8	5	4	6	8	3	1	2													
1926						1	11	9	11	15	22	18	33	30	29	21	28	30	24	24	15	14	7	3	6	4	4	6								
1927						19	17	27	11	4	6	5	8	19	43	40	22	23	26	20	17	15	8	11	6	6	7	1	3			1				
1928						4	21	9	35	14	23	12	20	25	49	35	33	27	11	14	11	9	3	5		2				2	1		1			
1929						14	30	52	22	24	21	17	10	19	11	23	29	24	16	9	8	3	4				2	2	1	1	2	1			1	
1930		1	29	29	18	16	28	17	20	19	21	15	18	15	22	26	23	9	10	9	3	2	3	1	3			3		1	2	2				
1931		1	14		89	44	32	23	33	15	25	33	14	9	10	8	4	2	2	4	1	1			1											
1932					4	23	43	31	31	13	11	20	30	29	29	18	20	16	9	11	8	5	5	2	1	4	1	1			1					
1933						5	22	35	19	19	24	24	13	22	21	32	29	23	22	14	10	7	5	5	3	4	1			3			3			
1934	10	22	29		22	11	33	65	38	22	36	31	16	9	5	2	4	2	1	2	1	1	2			1										
1935		37	65		66	17	10	9	26	22	21	23	14	10	14	7	5	5	3	2	2	4	1	1					1							
1936	1	8	35		32	14	23	14	39	19	31	17	22	19	23	15	16	14	5	4	3	2	4	2		1	3									
1937					6	14	12	16	31	36	28	31	46	32	23	24	16	9	10	9	5	4	4	2	1										2	
1938					2	3	15	20	29	21	41	35	34	19	33	26	19	16	12	11	8	4	4	5	2	1	4	1								
1939					8	12	6	41	20	25	34	28	29	20	29	13	23	25	8	9	11	6	4	2	5	2	3	1			1					
1940		5	23		42	43	50	26	16	18	14	19	23	13	19	12	9	8	5	5	4	2	2	3	1	1		1	1		1					
1941	7	23	34		33	45	35	46	42	46	23	12	3	3	5	3	1	3		1																
1942	1	2			8	17	17	25	40	36	44	30	35	31	19	14	11	8	6	6	2	4	3	1	2	1	1	1								
1943					34	29	14	12	12	29	29	30	32	38	20	24	17	6	8	10	6	3	4	2	1	1		1	1	1	1	1				
1944		2	28		32	76	78	16	8	6	6	3	7	13	13	15	22	8	6	7	8	2	2	2	1	1		2	1	1						
1945		36			62	28	21	14	12	13	17	13	8	13	25	18	14	13	11	10	6	5	10	4	4			2	2	2	1	1				
1946					16	13	11	11	9	33	33	36	33	26	29	15	25	22	21	5	11	2	5	4	3	1		1								
1947					17	23	24	3	9	16	29	34	30	18	24	14	24	22	14	13	12	13	8	5	4	3	1	2	1	1			1			
1948					18	17	15	20	50	64	38	16	8	13	17	17	11	13	11	6	7	7	4	1	3	4	2	2			1	1				
1949					16	10	8	10	34	16	24	19	27	20	19	30	26	15	15	11	10	4	4	3	7	3		3	4					1		
1950						2	40	34	25	16	14	27	29	21	28	29	22	11	14	10	15	3	3	4	3	6	3	3			2	1				
1951					21	21	5	13	7	27	25	21	18	37	22	27	21	23	12	18	9	12	7	5	3	4	4			1	1	1				
1952					14	48	38	20	7	14	13	15	16	18	14	24	20	29	22	7	15	8	5	6	4	1	5		1		1		1			
1953		3	54	36	14	13	16	24	19	10	24	44	33	20	14	14	7	6	1	6	2	1	3	1												
1954		21	124	30	21	23	25	30	21	13	10	15	11	7	7	1	3																			
1955		21	13	43	37	21	12	15	21	27	31	18	19	16	19	17	4	12	3	4	6	2	2	2												
1956					21	12	16	7	13	22	30	37	33	26	20	14	25	18	16	19	13	6	8	1	1	1	1	2	3	1						
1957					43	13	25	32	27	17	11	21	45	23	19	15	16	9	7	6	5	2	3	4	1	2	1	1			1	1				
1958					6	20	6	10	2	6	26	46	43	32	26	31	18	19	15	12	9	12	7	4	3	2	4	3	2	1						
1959					4	30	20	15	13	34	33	26	24	35	18	33	24	17	12	9	7	3	1	1			2		1		1		1		1	
1960					19	9	20	25	41	13	18	56	33	40	32	13	12	12	8	3	4	2	2	1	1	1				1						
1961					34	48	33	19	21	16	23	17	17	19	21	10	13	7	13	8	11	8	9	7	3	2	1		3		1	1				
1962						46	47	31	27	24	25	38	28	12	23	18	13	10	4	5	2	3	4	2			2	1								
1963		6	18	9	22	73	68	28	23	13	16	16	11	7	9	10	9	6	3	3	6	3	3	1	1		1	1	1						1	
1964		48	98	19	22	27	16	16	24	13	9	5	12	7	12	6	4	6	4	2	5	2	2			2	1	1	2				1			
1965		11	46	28	27	38	30	14	28	11	20	10	15	13	23	8	9	8	6	8	3	3	1			3	2									

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	18263	100.00	12	570.0	1138	8825	48.32	24	6700.0	121	470	2.57
1	60.0	19	18263	100.00	13	700.0	1117	7687	42.09	25	8200.0	87	349	1.91
2	74.0	102	18244	99.90	14	860.0	1192	6570	35.97	26	10000.0	67	262	1.43
3	90.0	406	18142	99.34	15	1100.0	865	5378	29.45	27	12000.0	68	195	1.07
4	110.0	1036	17736	97.11	16	1300.0	968	4513	24.71	28	15000.0	44	127	0.70
5	140.0	856	16700	91.44	17	1600.0	848	3545	19.41	29	19000.0	38	83	0.45
6	170.0	1092	15844	86.75	18	2000.0	612	2697	14.77	30	23000.0	18	45	0.25
7	210.0	1143	14752	80.78	19	2400.0	511	2085	11.42	31	28000.0	15	27	0.15
8	250.0	1313	13609	74.52	20	2900.0	410	1574	8.62	32	35000.0	7	12	0.07
9	310.0	1106	12296	67.33	21	3600.0	296	1164	6.37	33	42000.0	3	5	0.03
10	380.0	1205	11190	61.27	22	4400.0	251	868	4.75	34	52000.0	2	2	0.01
11	470.0	1160	9985	54.67	23	5500.0	147	617	3.38					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	121.0
P90 =	149.0
P75 =	247.0
P70 =	288.0
P50 =	544.0
P25 =	1290.0
P10 =	2650.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1917	190.00 38	196.00 38	198.00 36	200.00 34	212.00 31	215.00 26	220.00 21	232.00 20	321.00 20
1925	188.00 36	193.00 36	196.00 34	199.00 33	203.00 31	251.00 31	280.00 29	296.00 28	415.00 28
1926	113.00 18	116.00 18	125.00 21	132.00 20	203.00 32	301.00 41	350.00 38	388.00 36	441.00 30
1927	166.00 33	175.00 33	181.00 33	201.00 35	444.00 47	576.00 48	753.00 47	980.00 48	1800.00 48
1928	110.00 15	112.00 15	123.00 20	133.00 21	148.00 20	186.00 21	252.00 27	325.00 31	474.00 32
1929	152.00 29	163.00 32	168.00 30	173.00 30	183.00 27	207.00 24	247.00 26	287.00 26	381.00 24
1930	202.00 41	205.00 40	210.00 39	213.00 36	219.00 36	246.00 30	325.00 34	426.00 40	990.00 46
1931	88.00 7	94.00 8	95.00 8	98.00 8	101.00 7	115.00 6	136.00 7	138.00 7	141.00 3
1932	93.00 11	95.00 9	100.00 10	119.00 15	194.00 29	272.00 35	312.00 31	316.00 30	334.00 21
1933	119.00 22	124.00 22	136.00 24	148.00 26	182.00 26	254.00 33	366.00 39	423.00 39	579.00 38
1934	184.00 35	187.00 34	198.00 35	213.00 37	216.00 35	252.00 32	334.00 36	308.00 29	348.00 22
1935	60.00 1	65.00 1	69.00 2	78.00 2	85.00 1	92.00 1	93.00 1	100.00 1	111.00 1
1936	99.00 13	101.00 13	105.00 12	111.00 12	118.00 10	202.00 23	240.00 25	292.00 27	386.00 25
1937	73.00 3	76.00 3	88.00 4	88.00 4	96.00 3	121.00 8	162.00 13	238.00 21	484.00 34
1938	190.00 37	195.00 37	210.00 40	263.00 44	401.00 45	500.00 45	532.00 45	573.00 42	699.00 42
1939	210.00 43	212.00 42	215.00 41	219.00 38	226.00 37	273.00 36	448.00 44	485.00 41	588.00 39
1940	121.00 23	126.00 23	130.00 22	136.00 22	139.00 18	164.00 18	176.00 19	175.00 12	268.00 13
1941	78.00 4	80.00 4	85.00 3	87.00 3	90.00 2	98.00 2	108.00 2	121.00 4	162.00 6
1942	64.00 2	65.00 2	66.00 1	72.00 1	132.00 15	148.00 15	162.00 14	217.00 17	268.00 14
1943	140.00 28	142.00 28	145.00 27	149.00 27	155.00 23	186.00 22	323.00 33	369.00 35	442.00 31
1944	128.00 24	141.00 26	148.00 28	150.00 28	159.00 24	175.00 20	174.00 18	195.00 15	210.00 10
1945	80.00 5	84.00 5	89.00 5	97.00 7	98.00 4	103.00 3	111.00 3	116.00 3	127.00 2
1946	158.00 31	161.00 30	168.00 31	181.00 32	211.00 33	285.00 39	403.00 42	590.00 43	650.00 40
1947	116.00 19	117.00 19	120.00 18	123.00 16	126.00 12	138.00 12	151.00 12	183.00 13	286.00 15
1948	208.00 42	216.00 44	224.00 44	236.00 42	259.00 40	281.00 38	301.00 30	338.00 32	577.00 37
1949	110.00 16	117.00 20	120.00 19	125.00 17	134.00 16	146.00 14	164.00 15	230.00 19	364.00 23
1950	178.00 34	187.00 35	204.00 37	256.00 43	282.00 42	375.00 44	406.00 43	410.00 38	530.00 35
1951	290.00 47	291.00 47	313.00 47	331.00 47	406.00 46	553.00 46	776.00 48	836.00 47	978.00 44
1952	132.00 27	141.00 27	144.00 26	147.00 25	150.00 22	162.00 16	173.00 16	217.00 16	433.00 29
1953	112.00 17	113.00 16	117.00 15	126.00 19	136.00 17	144.00 13	149.00 11	166.00 11	239.00 12
1954	101.00 14	102.00 14	105.00 13	110.00 11	114.00 9	117.00 7	120.00 6	127.00 6	156.00 5
1955	90.00 8	92.00 6	92.00 6	93.00 5	99.00 5	130.00 10	144.00 10	151.00 9	178.00 7

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	91.00	9	97.00	10	99.00	9	103.00	9	131.00	14	210.00	25	327.00	35	405.00	37	539.00	36
1957	116.00	20	116.00	17	117.00	16	118.00	14	123.00	11	129.00	9	142.00	9	156.00	10	234.00	11
1958	160.00	32	162.00	31	164.00	29	171.00	29	201.00	30	223.00	28	230.00	22	282.00	25	742.00	43
1959	400.00	48	410.00	48	421.00	48	449.00	48	469.00	48	567.00	47	680.00	46	720.00	46	1350.00	47
1960	156.00	30	159.00	29	174.00	32	178.00	31	192.00	28	217.00	27	240.00	23	254.00	22	312.00	18
1961	118.00	21	119.00	21	120.00	17	125.00	18	128.00	13	131.00	11	141.00	8	146.00	8	184.00	9
1962	211.00	44	212.00	43	217.00	42	220.00	39	239.00	39	274.00	37	322.00	32	354.00	33	479.00	33
1963	200.00	39	209.00	41	218.00	43	221.00	40	229.00	38	261.00	34	261.00	28	268.00	23	294.00	16
1964	92.00	10	92.00	7	95.00	7	97.00	6	101.00	6	108.00	4	113.00	4	113.00	2	144.00	4
1965	98.00	12	99.00	12	101.00	11	103.00	10	108.00	8	112.00	5	118.00	5	126.00	5	181.00	8
1966	129.00	25	129.00	24	135.00	23	142.00	24	165.00	25	231.00	29	240.00	24	278.00	24	303.00	17
1967	88.00	6	98.00	11	109.00	14	116.00	13	143.00	19	162.00	17	174.00	17	184.00	14	313.00	19
1968	129.00	26	131.00	25	139.00	25	139.00	23	149.00	21	166.00	19	189.00	20	226.00	18	405.00	27
1969	273.00	45	273.00	45	275.00	45	282.00	45	287.00	43	321.00	42	377.00	41	718.00	45	981.00	45
1970	280.00	46	285.00	46	289.00	46	302.00	46	314.00	44	335.00	43	374.00	40	616.00	44	662.00	41
1971	202.00	40	204.00	39	206.00	38	231.00	41	266.00	41	301.00	40	336.00	37	360.00	34	397.00	26

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1916	38700.00	8	25100.00	9	14300.00	10	8490.00	10	6390.00	7	4950.00	8	3930.00	9	3490.00	8	2870.00	6
1917	19400.00	34	14500.00	28	8270.00	29	5210.00	33	3960.00	32	2600.00	35	2340.00	35	2090.00	35	1890.00	29
1924	20900.00	31	11800.00	34	6710.00	37	4590.00	37	4150.00	30	3030.00	32	3070.00	24	2800.00	17	2690.00	10
1925	4720.00	48	3290.00	48	2970.00	46	2200.00	46	1590.00	46	1110.00	46	926.00	46	873.00	46	737.00	46
1926	14500.00	38	10000.00	36	8140.00	30	6020.00	27	4470.00	24	3320.00	25	2630.00	33	2260.00	32	2190.00	21
1927	22900.00	26	14700.00	26	8550.00	28	5760.00	29	4920.00	19	3590.00	21	3610.00	13	3210.00	14	2600.00	13
1928	28400.00	19	12100.00	33	7210.00	34	5470.00	31	3680.00	36	2530.00	37	2690.00	31	2340.00	30	2070.00	26
1929	46600.00	5	21700.00	13	11100.00	17	7160.00	16	4510.00	22	3860.00	18	3530.00	14	3260.00	12	3270.00	5
1930	28500.00	18	26500.00	6	20800.00	1	12600.00	3	7740.00	4	4990.00	6	4170.00	6	3450.00	10	2520.00	14
1931	6080.00	47	4020.00	47	2700.00	48	2140.00	47	1480.00	47	1080.00	47	857.00	47	753.00	48	614.00	47
1932	21400.00	29	8680.00	39	6930.00	35	5540.00	30	3960.00	31	3120.00	30	2470.00	34	2310.00	31	1780.00	31
1933	34500.00	11	22100.00	10	13400.00	11	7990.00	12	5710.00	13	5240.00	4	4390.00	3	3940.00	3	3480.00	2
1934	7090.00	46	4380.00	46	2760.00	47	1710.00	48	1350.00	49	993.00	48	755.00	49	755.00	47	607.00	48
1935	12600.00	40	6780.00	43	5060.00	41	3530.00	42	2190.00	44	1420.00	44	1180.00	45	1010.00	45	814.00	45
1936	11200.00	42	9450.00	38	5680.00	39	3810.00	40	2590.00	41	2490.00	40	2050.00	41	1680.00	41	1290.00	42
1937	41800.00	6	25400.00	8	18500.00	2	15700.00	1	9810.00	1	6030.00	2	4370.00	4	3660.00	5	2790.00	9
1938	20600.00	32	15200.00	24	9860.00	24	6320.00	22	6170.00	10	4540.00	11	3510.00	15	3170.00	15	2660.00	11
1939	27300.00	21	17100.00	21	10100.00	22	6030.00	26	3900.00	33	3480.00	23	3200.00	19	2630.00	20	2110.00	23
1940	25200.00	25	18000.00	16	10500.00	19	5970.00	28	3580.00	37	2280.00	41	2110.00	40	1820.00	40	1390.00	40
1941	2500.00	50	1710.00	50	1290.00	50	1020.00	50	671.00	50	452.00	50	381.00	50	363.00	50	372.00	50
1942	17800.00	36	11300.00	35	6710.00	36	4920.00	35	2970.00	39	2500.00	38	2260.00	38	1940.00	38	1550.00	37
1943	30800.00	12	21800.00	12	16200.00	4	8770.00	8	4960.00	18	3170.00	29	2930.00	26	2490.00	24	2090.00	24
1944	21700.00	28	18000.00	17	12000.00	13	6840.00	19	4490.00	23	3390.00	24	2680.00	32	2190.00	34	1520.00	38
1945	27400.00	20	16400.00	22	10200.00	20	6240.00	23	5060.00	17	4140.00	15	3220.00	17	3060.00	16	2300.00	19
1946	14400.00	39	7720.00	40	5010.00	43	3380.00	43	2650.00	40	2500.00	39	2290.00	37	2010.00	37	1760.00	32
1947	29900.00	14	19000.00	14	11300.00	16	7010.00	17	5600.00	14	4930.00	9	3940.00	8	3260.00	13	2650.00	12
1948	26700.00	23	13600.00	30	8800.00	27	6570.00	21	5900.00	12	3950.00	17	3390.00	16	2750.00	18	2090.00	25
1949	49000.00	3	31000.00	2	15700.00	7	9640.00	6	8710.00	3	5960.00	3	4980.00	2	4270.00	2	3300.00	4
1950	36700.00	9	26100.00	7	15900.00	6	13800.00	2	9650.00	2	7830.00	1	6080.00	1	5300.00	1	3980.00	1
1951	29400.00	15	17200.00	20	9970.00	23	7460.00	14	4800.00	20	4200.00	14	3790.00	11	3660.00	6	3310.00	3
1952	40800.00	7	27300.00	5	14500.00	9	9680.00	5	5950.00	11	4350.00	13	3770.00	12	3470.00	9	2820.00	8
1953	9240.00	44	6550.00	45	5020.00	42	3610.00	41	2260.00	42	1600.00	42	1700.00	42	1520.00	42	1390.00	41
1954	3340.00	49	2930.00	49	2020.00	49	1680.00	49	1400.00	48	993.00	49	800.00	48	700.00	49	568.00	49
1955	8480.00	45	6720.00	44	5320.00	40	4370.00	38	3400.00	38	2550.00	36	2130.00	39	1870.00	39	1450.00	39
1956	22600.00	27	14800.00	25	7950.00	31	5130.00	34	3820.00	34	3250.00	27	2790.00	28	2450.00	28	2120.00	22
1957	28600.00	17	17800.00	18	11400.00	15	6810.00	20	4230.00	28	3490.00	22	3090.00	23	2590.00	22	2060.00	27
1958	25900.00	24	15200.00	23	12700.00	12	7810.00	13	5100.00	16	4990.00	5	4110.00	7	3690.00	4	2840.00	7
1959	55000.00	1	33400.00	1	16100.00	5	8700.00	9	7400.00	5	4970.00	7	3850.00	10	3280.00	11	2500.00	16
1960	15700.00	37	7490.00	41	4900.00	44	3090.00	44	2190.00	43	1540.00	43	1370.00	43	1230.00	44	1240.00	43
1961	30300.00	13	18800.00	15	10700.00	18	8270.00	11	6230.00	9	4580.00	10	4200.00	5	3510.00	7	2510.00	15
1962	18200.00	35	13500.00	31	7400.00	33	5340.00	32	4430.00	26	3000.00	33	2750.00	29	2340.00	29	1860.00	30
1963	52000.00	2	30700.00	3	15100.00	8	9140.00	7	6340.00	8	4110.00	16	3130.00	21	2480.00	25	1760.00	33
1964	35400.00	10	22000.00	11	11900.00	14	6880.00	18	4720.00	21	4420.00	12	3200.00	18	2500.00	23	1740.00	34
1965	12000.00	41	9850.00	37	6030.00	38	3960.00	39	3740.00	35	2850.00	34	2700.00	30	2240.00	33	1640.00	36

## GREAT MIAMI RIVER BASIN

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	9420.00	43	6990.00	42	4500.00	45	2830.00	45	2010.00	45	1400.00	45	1350.00	44	1280.00	43	1090.00	44
1967	20300.00	33	14500.00	27	9290.00	26	6120.00	24	4150.00	29	3230.00	28	3110.00	22	2640.00	19	2410.00	17
1968	46700.00	4	28500.00	4	18200.00	3	10200.00	4	6390.00	6	3780.00	19	3180.00	20	2600.00	21	2370.00	18
1969	27100.00	22	17700.00	19	10100.00	21	7330.00	15	5270.00	15	3610.00	20	2960.00	25	2480.00	26	2190.00	20
1970	29000.00	16	14400.00	29	7690.00	32	4610.00	36	4460.00	25	3260.00	26	2830.00	27	2450.00	27	1910.00	28
1971	20900.00	30	12600.00	32	9580.00	25	6100.00	25	4390.00	27	3040.00	31	2310.00	36	2020.00	36	1650.00	35

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1917	1110.00	23
1925	1060.00	19
1926	1150.00	25
1927	2140.00	45
1928	1480.00	34
1929	1420.00	31
1930	2200.00	47
1931	300.00	2
1932	1080.00	20
1933	1550.00	37
1934	1130.00	24
1935	212.00	1
1936	861.00	14
1937	1670.00	39
1938	1440.00	32
1939	1470.00	33
1940	952.00	16
1941	601.00	4
1942	753.00	5
1943	1170.00	26
1944	851.00	12
1945	1080.00	21
1946	1500.00	35
1947	796.00	9
1948	1810.00	41
1949	2080.00	44
1950	2050.00	43
1951	2160.00	46
1952	1670.00	40
1953	807.00	10
1954	530.00	3
1955	781.00	8
1956	1230.00	27
1957	779.00	7
1958	1510.00	36
1959	2500.00	48
1960	807.00	11
1961	898.00	15
1962	1660.00	38
1963	972.00	17
1964	759.00	6
1965	1000.00	18
1966	852.00	13
1967	1110.00	22
1968	1250.00	28
1969	1910.00	42
1970	1250.00	29
1971	1300.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1916	1710.00	11
1917	1130.00	31
1924	1660.00	12
1925	555.00	45
1926	1910.00	6
1927	1770.00	10
1928	1440.00	19
1929	1850.00	7
1930	1380.00	21
1931	397.00	47
1932	1140.00	29
1933	2070.00	2
1934	396.00	48
1935	465.00	46
1936	785.00	42
1937	1810.00	9
1938	1820.00	8
1939	1290.00	25
1940	773.00	43
1941	271.00	50
1942	1010.00	34
1943	1310.00	23
1944	840.00	39
1945	1290.00	24
1946	1130.00	32
1947	1600.00	14
1948	1190.00	26
1949	1950.00	4
1950	2360.00	1
1951	1950.00	5
1952	1560.00	16
1953	827.00	40
1954	354.00	49
1955	879.00	38
1956	1410.00	20
1957	1170.00	27
1958	2010.00	3
1959	1480.00	17
1960	805.00	41
1961	1370.00	22
1962	1140.00	30
1963	1000.00	35
1964	937.00	36
1965	932.00	37
1966	677.00	44
1967	1460.00	18
1968	1610.00	13
1969	1570.00	15
1970	1170.00	28
1971	1010.00	33

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1916	652.00	679.00	1962.0	6183.0	2768.0	2220.0	2031.0	1177.0	1646.0	416.00	529.00	218.00
1917	222.00	222.00	597.00	2298.0	850.00	3102.0	1753.0	1249.0	1878.0	650.00	236.00	418.00
1924	244.00	314.00	1668.0	3091.0	2615.0	3218.0	1576.0	1443.0	4142.0	955.00	352.00	347.00
1925	216.00	295.00	938.00	334.00	669.00	1466.0	623.00	374.00	276.00	638.00	379.00	439.00
1926	842.00	2993.0	1355.0	1321.0	2765.0	1985.0	2869.0	1071.0	738.00	561.00	2324.0	4239.0
1927	2796.0	1282.0	840.00	3216.0	2481.0	3274.0	3562.0	1995.0	998.00	217.00	194.00	398.00
1928	496.00	827.00	3378.0	1302.0	3139.0	1369.0	2121.0	854.00	2404.0	958.00	338.00	189.00
1929	226.00	438.00	604.00	3686.0	3137.0	2244.0	2504.0	3184.0	2121.0	3378.0	449.00	257.00
1930	321.00	790.00	1999.0	7085.0	2764.0	1523.0	987.00	436.00	257.00	141.00	102.00	201.00
1931	140.00	124.00	147.00	146.00	220.00	708.00	1355.0	463.00	418.00	257.00	434.00	356.00
1932	245.00	490.00	1926.0	3731.0	1591.0	1662.0	1013.0	469.00	803.00	1070.0	221.00	453.00
1933	476.00	1589.0	3005.0	3203.0	1606.0	4587.0	3436.0	4896.0	679.00	385.00	341.00	477.00
1934	298.00	238.00	705.00	440.00	244.00	1311.0	638.00	277.00	161.00	138.00	165.00	114.00
1935	95.50	98.10	95.10	144.00	122.00	489.00	479.00	2124.0	660.00	696.00	261.00	274.00
1936	236.00	421.00	502.00	695.00	2315.0	1712.0	1775.0	820.00	226.00	139.00	163.00	509.00
1937	1188.0	1740.0	632.00	9401.0	2327.0	1061.0	1524.0	1306.0	786.00	615.00	570.00	563.00
1938	1204.0	544.00	2157.0	1017.0	2509.0	4528.0	3359.0	1836.0	1892.0	1372.0	587.00	845.00
1939	240.00	731.00	486.00	1103.0	2562.0	2749.0	3900.0	806.00	1619.0	761.00	523.00	166.00
1940	179.00	186.00	194.00	428.00	1696.0	1080.0	3421.0	855.00	891.00	224.00	133.00	98.90
1941	98.30	174.00	264.00	305.00	514.00	294.00	275.00	186.00	669.00	203.00	165.00	141.00
1942	415.00	664.00	786.00	682.00	3099.0	1935.0	1827.0	800.00	769.00	256.00	611.00	496.00
1943	156.00	838.00	1189.0	907.00	1527.0	4712.0	1065.0	2524.0	1070.0	725.00	702.00	267.00
1944	171.00	191.00	161.00	292.00	620.00	2391.0	4309.0	1108.0	456.00	169.00	137.00	113.00
1945	99.50	131.00	134.00	156.00	1470.0	4742.0	3113.0	1065.0	2890.0	557.00	326.00	818.00
1946	795.00	807.00	1501.0	1293.0	2541.0	2428.0	778.00	1809.0	788.00	458.00	286.00	141.00
1947	136.00	198.00	556.00	2284.0	899.00	1187.0	3553.0	4096.0	3753.0	1105.0	980.00	461.00
1948	264.00	311.00	332.00	1277.0	2416.0	3274.0	3914.0	1302.0	443.00	438.00	203.00	141.00
1949	164.00	1828.0	1909.0	8421.0	3141.0	3117.0	1322.0	608.00	1173.0	906.00	370.00	404.00
1950	574.00	308.00	958.00	9325.0	6290.0	2581.0	2832.0	1422.0	1475.0	674.00	464.00	1688.0
1951	650.00	2614.0	3070.0	3589.0	4569.0	3158.0	2926.0	969.00	959.00	680.00	234.00	166.00
1952	158.00	428.00	2638.0	5048.0	2844.0	2938.0	2324.0	1083.0	581.00	254.00	208.00	164.00
1953	136.00	175.00	506.00	1441.0	942.00	1881.0	940.00	2175.0	643.00	677.00	248.00	121.00
1954	116.00	123.00	149.00	289.00	285.00	561.00	1295.0	519.00	375.00	233.00	194.00	113.00
1955	148.00	175.00	386.00	1015.0	2297.0	2736.0	1370.0	676.00	540.00	591.00	178.00	547.00
1956	725.00	3238.0	816.00	545.00	3847.0	1898.0	2568.0	1540.0	973.00	657.00	209.00	145.00
1957	126.00	164.00	427.00	683.00	1193.0	722.00	4234.0	2648.0	2308.0	1064.0	284.00	250.00
1958	208.00	657.00	3502.0	1251.0	715.00	1007.0	1660.0	3245.0	4710.0	3390.0	2920.0	735.00
1959	492.00	848.00	809.00	4787.0	4211.0	2300.0	1591.0	1476.0	667.00	314.00	236.00	261.00
1960	234.00	343.00	660.00	1096.0	1982.0	887.00	787.00	903.00	1548.0	867.00	278.00	138.00
1961	131.00	158.00	163.00	292.00	1112.0	4391.0	3935.0	3519.0	1389.0	570.00	408.00	392.00
1962	287.00	368.00	1054.0	2393.0	2478.0	3156.0	1039.0	1073.0	475.00	811.00	272.00	297.00
1963	261.00	305.00	235.00	396.00	482.00	5909.0	2093.0	1184.0	437.00	317.00	205.00	123.00
1964	102.00	124.00	115.00	221.00	226.00	3917.0	4664.0	855.00	415.00	337.00	153.00	118.00
1965	110.00	132.00	252.00	859.00	2250.0	2022.0	3668.0	845.00	342.00	378.00	202.00	271.00
1966	425.00	269.00	335.00	1088.0	1741.0	784.00	1142.0	1459.0	386.00	228.00	185.00	159.00
1967	185.00	1028.0	3098.0	771.00	1244.0	3362.0	1735.0	4043.0	1035.0	523.00	244.00	153.00
1968	186.00	335.00	2717.0	1324.0	1369.0	1258.0	1617.0	5738.0	1580.0	1271.0	1476.0	371.00
1969	301.00	1043.0	2258.0	3977.0	2327.0	876.00	1818.0	1664.0	1349.0	2019.0	854.00	429.00
1970	314.00	935.00	833.00	1228.0	1598.0	1981.0	4463.0	1014.0	745.00	418.00	348.00	302.00
1971	388.00	463.00	744.00	869.00	4418.0	1788.0	674.00	1340.0	870.00	356.00	203.00	279.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
154.00	190.00	334.00	519.00	931.00	1240.00
FIFTIETH PERCENTILE					
238.00	395.00	765.00	1166.00	2116.00	2004.00
SEVENTY FIFTH PERCENTILE					
438.00	830.00	1913.00	3206.00	2764.00	3157.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1123.00	839.00	470.00	300.00	203.00	151.00
FIFTIETH PERCENTILE					
1797.00	1181.00	796.00	566.00	275.00	273.00
SEVENTY FIFTH PERCENTILE					
3375.00	1876.00	1556.00	825.00	453.00	443.00

03276500 WHITWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1975					2	6	10	17	26	21	12	5	32	31	19	20	21	9	15	18	26	17	14	12	7	11	5	6		1			1		1
1976						33	16	25	29	33	26	25	23	27	34	18	13	7	13	10	9	6	3	6	3	2	2				2	1			
1977	10	9	17	44	28	32	11	21	19	20	37	16	32	13	10	11	3	5	9	4	1	4	2	2	1	1	3								
1978								4	11	26	31	18	24	35	46	33	26	14	20	17	10	7	10	8	7	6	5	3	1			2	1		
1979										10	11	14	46	39	21	37	32	28	18	22	16	14	9	11	8	14	2	7	2	2	2				
1980									2	15	10	11	34	31	51	26	26	21	18	32	23	20	13	12	6	5	5	2	3						
1981						19	48	21	19	24	32	40	44	15	14	14	11	12	11	15	9	5	4	3	3	1	1								
1982						2	32	17	8	22	26	16	25	37	14	18	22	15	10	10	17	16	10	17	13	4	6	3	1	1	1	1	1		1
1983				5	16	6	34	19	15	4	20	24	42	40	27	28	17	21	5	5	7	7	4	6	5	2	2	1				2	1		
1984						10	24	16	11	16	18	21	32	20	29	22	20	22	21	20	20	16	7	9	2	3	2	3	1	1					
1985					14	5	9	14	15	13	13	14	20	39	27	28	23	17	20	17	15	16	9	15	5	5	1	2	5	2			2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4018	100.00	12	500.0	273	2722	67.75	24	4100.0	71	249	6.20
1	72.0	10	4018	100.00	13	590.0	374	2449	60.95	25	4900.0	52	178	4.43
2	86.0	9	4008	99.75	14	710.0	283	2075	51.64	26	5800.0	45	126	3.14
3	100.0	22	3999	99.53	15	840.0	276	1792	44.60	27	7000.0	31	81	2.02
4	120.0	76	3977	98.98	16	1000.0	237	1516	37.73	28	8300.0	19	50	1.24
5	150.0	90	3901	97.09	17	1200.0	189	1279	31.83	29	9900.0	13	31	0.77
6	170.0	176	3811	94.85	18	1400.0	164	1090	27.13	30	12000.0	4	18	0.45
7	210.0	167	3635	90.47	19	1700.0	156	926	23.05	31	14000.0	9	14	0.35
8	250.0	150	3468	86.31	20	2000.0	184	770	19.16	32	17000.0	3	5	0.12
9	290.0	160	3318	82.58	21	2400.0	137	586	14.58	33	20000.0	1	2	0.05
10	350.0	210	3158	78.60	22	2900.0	97	449	11.17	34	24000.0	1	1	0.02
11	420.0	226	2948	73.37	23	3400.0	103	352	8.76					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 169.0  
P90 = 215.0  
P75 = 398.0  
P70 = 468.0  
P50 = 740.0  
P25 = 1560.0  
P10 = 3140.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1976	144.00 4	146.00 4	152.00 4	178.00 5	204.00 7	233.00 4	275.00 4	334.00 4	493.00 3
1977	72.00 1	80.00 1	82.00 1	87.00 1	95.00 1	113.00 1	186.00 1	276.00 1	249.00 1
1978	114.00 2	118.00 2	124.00 3	137.00 3	162.00 3	235.00 5	280.00 5	294.00 3	524.00 5
1979	276.00 9	282.00 9	292.00 9	349.00 9	415.00 9	612.00 9	699.00 9	731.00 9	874.00 9
1980	405.00 10	451.00 10	479.00 10	638.00 10	723.00 10	833.00 10	1060.00 10	1720.00 10	1800.00 10
1981	198.00 8	204.00 8	206.00 8	208.00 8	219.00 8	262.00 7	349.00 7	404.00 8	563.00 7
1982	156.00 5	168.00 6	181.00 7	191.00 7	200.00 6	231.00 3	361.00 8	400.00 6	521.00 4
1983	175.00 7	175.00 7	177.00 6	180.00 6	193.00 5	263.00 8	316.00 6	401.00 7	546.00 6
1984	115.00 3	118.00 3	119.00 2	125.00 2	140.00 2	179.00 2	203.00 2	286.00 2	486.00 2
1985	157.00 6	159.00 5	166.00 5	168.00 4	179.00 4	239.00 6	275.00 3	345.00 5	623.00 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1975	26300.00 1	17200.00 1	9570.00 2	6860.00 3	5530.00 1	4350.00 2	3740.00 2	3500.00 1	2830.00 1
1976	12000.00 7	9290.00 8	5440.00 9	3880.00 9	3400.00 9	2500.00 9	2110.00 8	1760.00 9	1430.00 9
1977	7580.00 11	5830.00 10	4110.00 10	3020.00 11	2010.00 11	1840.00 11	1520.00 11	1260.00 11	924.00 11
1978	18400.00 3	14000.00 3	8660.00 4	7630.00 1	4900.00 4	3300.00 5	2900.00 5	2580.00 5	2390.00 5
1979	15500.00 4	13200.00 5	8060.00 5	7540.00 2	5180.00 3	3850.00 3	2930.00 4	2730.00 4	2620.00 2
1980	10900.00 9	9700.00 7	7720.00 7	5390.00 7	3770.00 7	3110.00 7	2580.00 6	2510.00 6	2410.00 4
1981	7820.00 10	4880.00 11	4100.00 11	3420.00 10	2900.00 10	2280.00 10	1890.00 10	1680.00 10	1400.00 10
1982	23800.00 2	12700.00 6	8040.00 6	6140.00 5	5390.00 2	4650.00 1	3750.00 1	3220.00 2	2620.00 3
1983	18100.00 4	16400.00 2	9980.00 1	6810.00 4	4140.00 6	2780.00 8	2040.00 9	1790.00 8	1590.00 8
1984	11000.00 8	8300.00 9	5860.00 8	4160.00 8	3550.00 8	3120.00 6	2580.00 7	2260.00 7	1910.00 7
1985	15800.00 5	13600.00 4	9080.00 3	6070.00 6	4460.00 5	3610.00 4	2990.00 3	2800.00 3	2380.00 6

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued  
(National stream-quality accounting network station)

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	1150.00	4
1977	476.00	1
1978	1340.00	6
1979	1640.00	8
1980	2160.00	10
1981	1070.00	3
1982	1640.00	9
1983	931.00	2
1984	1240.00	5
1985	1610.00	7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	1650.00	4
1976	879.00	10
1977	606.00	11
1978	1670.00	3
1979	2070.00	1
1980	1870.00	2
1981	888.00	9
1982	1550.00	5
1983	1000.00	8
1984	1230.00	7
1985	1500.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1975	616.00	1133.0	1750.0	2798.0	4178.0	4298.0	2523.0	1263.0	636.00	311.00	235.00	289.00
1976	827.00	792.00	1156.0	2323.0	2521.0	1000.0	446.00	291.00	447.00	400.00	234.00	162.00
1977	380.00	529.00	152.00	102.00	1174.0	1456.0	1428.0	922.00	308.00	264.00	310.00	306.00
1978	1290.0	997.00	3840.0	1149.0	714.00	4419.0	1796.0	2221.0	1120.0	728.00	911.00	685.00
1979	742.00	1074.0	2087.0	2230.0	2444.0	3646.0	2514.0	919.00	920.00	2861.0	4271.0	1058.0
1980	933.00	3199.0	2829.0	1631.0	1263.0	3411.0	2085.0	1641.0	1970.0	1257.0	1714.0	440.00
1981	507.00	605.00	318.00	220.00	1387.0	714.00	1366.0	2598.0	1297.0	981.00	478.00	231.00
1982	467.00	647.00	628.00	3097.0	4675.0	3357.0	1594.0	1478.0	1662.0	581.00	380.00	234.00
1983	467.00	771.00	1390.0	1064.0	1048.0	526.00	1453.0	3998.0	551.00	352.00	211.00	152.00
1984	587.00	1490.0	1696.0	608.00	1266.0	2510.0	3467.0	1691.0	540.00	442.00	292.00	232.00
1985	665.00	1718.0	2404.0	1750.0	3128.0	3074.0	1932.0	1805.0	712.00	396.00	380.00	171.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
467.00	647.00	628.00	608.00	1174.00	1000.00
FIFTIETH PERCENTILE					
616.00	997.00	1696.00	1631.00	1387.00	3074.00
SEVENTY FIFTH PERCENTILE					
827.00	1490.00	2404.00	2323.00	3128.00	3646.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
1428.00	922.00	540.00	352.00	235.00	171.00
FIFTIETH PERCENTILE					
1796.00	1641.00	712.00	442.00	380.00	234.00
SEVENTY FIFTH PERCENTILE					
2514.00	2221.00	1297.00	981.00	911.00	440.00

03276700 SOUTH HOGAN CREEK NEAR DILLSBORO, IN  
(Hydrologic bench-mark station)

LOCATION.--Lat 39°01'47", long 85°02'17", in SW¼NW¼ sec.7, T.4 N., R.2 W., Dearborn County, Hydrologic Unit 05090203, on left downstream abutment of bridge on county road at Dillsboro Station, 1.2 mi northeast of Dillsboro, and 1.5 mi downstream from Whitaker Creek.

DRAINAGE AREA.--38.1 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1961 to September 1985. Occasional low-flow measurements, water year 1960.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 571.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years, 43.1 ft<sup>3</sup>/s, 15.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft<sup>3</sup>/s Apr. 29, 1970, maximum gage height, 12.7 ft, from floodmarks Apr. 29, 1970 and from crest-stage gage June 10, 1981; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 14.00 ft, discharge, 16,300 ft<sup>3</sup>/s on basis of contracted-opening measurement.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1962	17					10	15	6	8	12	19	14	18	18	7	13	23	29	48	41	16	12	9	11	4	4	4	1	3	2		1			
1963	84					9	3	2	2	11	15	18	24	37	26	31	22	15	13	17	7	10	5	3	3	2	1	1	2	1	1				
1964	129					20	11	13	4	16	14	17	10	24	10	15	8	14	16	12	10	3	4	6	2	2	2	2	2		1		1		
1965	118					14	14	5	5	7	7	8	7	17	9	9	6	16	19	28	24	14	11	11	3	7	6	3	4						
1966	79					6	4	3		2	3	4	10	21	43	29	30	23	28	23	15	10	9	6	6	1	5	3		2					
1967	79	2		3	1	2	17	16	5	5	4	3	6	6	10	20	22	34	26	18	20	19	10	13	8	5	4	4	2	1					
1968	27	1	3	2	1	1	12	8	8	4	7	4	17	14	22	37	24	29	20	24	17	22	16	13	5	10	7	5	2		2	1		1	
1969	8		6	3	5	3	12	29	9	9	12	13	11	18	11	22	18	22	34	26	33	19	12	11	4	3	4	3	3	1	1				
1970			8	4	8	2	9	5	8	20	17	14	15	11	23	36	31	22	26	29	17	12	16	8	6	3	7	3	1	1	1	2			
1971								1	4	13	15	15	13	10	13	39	44	32	33	31	27	19	15	14	10	7	6	2	1			1			
1972	34	3	2	2		3	1	5	5	4	10	11	7	4	15	43	22	25	16	24	31	32	23	12	10	8	8	2	2	1	1				
1973		3	1	1	3	2	8	5	5	4	3	3	5	6	26	17	9	13	26	30	40	32	37	22	18	19	10	10	3	3	1				
1974			2	2		2	2	5	6	3	14	9	10	13	14	22	20	21	34	29	34	33	33	16	12	10	8	5	6						
1975	3	1	3	2	2	6	7	6	6	7	7	7	10	10	15	13	19	25	20	24	37	41	31	22	17	4	6	8	2	3		1			
1976			5	12	2	3	8	10	7	9	7	6	10	29	19	27	32	18	33	37	39	13	13	7	6	3	5	3	2	1					
1977	2	1	1	4		1	8	7	7	8	6	25	41	34	34	41	17	13	23	17	18	15	9	12	4	9	4	1	2	1					
1978										1	3	4	7	6	26	15	37	69	45	27	26	26	18	16	9	6	6	10	5	1	1	1			
1979													3	4	13	19	42	31	57	42	41	30	22	17	9	8	9	8	3	3	3	1			
1980				1		5	6	10	18	8	7	6	10	9	12	15	38	36	46	34	33	18	18	7	9	8	4	4	2	2					
1981					4	2	12	7	9	8	6	14	32	13	17	25	28	27	32	31	26	15	22	3	11	10	5	3	1	1			1		
1982				3	7	9	11	10	7	19	18	16	12	10	23	14	25	24	22	26	30	24	15	15	3	4	10	1	5		1	1			
1983	3	1	2	4	17	30	17	14	11	10	4	6	10	10	8	2	10	34	26	31	42	18	15	8	12	5	3	3	3	2	3	1			
1984	1	1	2	2	2	14	14	8	6	4	9	9	8	11	13	15	17	21	24	23	42	35	25	18	11	13	6	6	5	1					
1985			7	3	4	9	4	12	12	13	13	15	9	11	10	12	26	21	34	41	30	27	16	12	3	7	6	3	2	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	584	8766	100.00	12	1.0	298	6759	77.10	24	100.0	203	738	8.42
1	0.01	13	8182	93.34	13	1.5	307	6461	73.71	25	150.0	161	535	6.10
2	0.02	35	8169	93.19	14	2.2	431	6154	70.20	26	220.0	138	374	4.27
3	0.03	51	8134	92.79	15	3.2	524	5723	65.29	27	330.0	100	236	2.69
4	0.05	56	8083	92.21	16	4.8	538	5199	59.31	28	480.0	66	136	1.55
5	0.07	84	8027	91.57	17	7.0	623	4661	53.17	29	710.0	31	70	0.80
6	0.10	211	7943	90.61	18	10.0	654	4038	46.06	30	1000.0	23	39	0.44
7	0.15	193	7732	88.20	19	15.0	682	3384	38.60	31	1500.0	12	16	0.18
8	0.22	154	7539	86.00	20	22.0	712	2702	30.82	32	2300.0	2	4	0.05
9	0.32	177	7385	84.25	21	33.0	530	1990	22.70	33	3300.0	2	2	0.02
10	0.47	211	7208	82.23	22	48.0	423	1460	16.66	34				
11	0.69	238	6997	79.82	23	70.0	299	1037	11.83					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.01  
P90 = 0.11  
P75 = 1.3  
P70 = 2.2  
P50 = 8.3  
P25 = 29.9  
P10 = 86.1



03276700 SOUTH HOGAN CREEK NEAR DILLSBORD, IN--Continued  
(Hydrologic bench-mark station)

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	0.00 1	0.00 1	0.00 1	0.00 1	0.39 15	0.48 9	0.77 7	1.80 8	4.60 6
1964	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	0.00 1	0.04 1
1965	0.00 3	0.00 3	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	0.01 2	2.60 3
1966	0.00 4	0.00 4	0.00 4	0.00 4	0.00 3	0.45 8	1.30 10	1.19 7	4.70 8
1967	0.00 5	0.00 5	0.00 5	0.00 5	0.00 4	0.10 4	0.33 4	0.28 4	2.60 4
1968	0.00 6	0.00 6	0.00 6	0.00 6	0.00 5	0.00 3	0.01 3	0.18 3	0.96 2
1969	0.00 7	0.00 7	0.01 10	0.12 15	0.14 9	0.34 6	0.58 6	5.20 17	7.60 12
1970	0.00 8	0.00 8	0.00 7	0.12 16	0.43 16	0.99 14	2.10 12	4.10 15	4.60 7
1971	0.03 18	0.03 16	0.04 15	0.07 11	0.33 13	0.79 11	1.50 11	2.00 9	6.00 11
1972	0.17 21	0.23 21	0.34 21	0.67 21	3.30 22	4.60 20	6.80 20	7.50 20	10.00 14
1973	0.00 9	0.00 9	0.00 8	0.00 7	0.03 6	1.40 16	2.20 13	3.20 11	15.00 18
1974	0.01 14	0.01 13	0.03 13	0.09 14	0.18 10	1.30 15	2.20 14	3.70 13	29.00 21
1975	0.02 15	0.02 14	0.08 18	0.19 20	0.51 17	2.30 17	8.50 21	18.00 21	24.00 20
1976	0.00 10	0.00 10	0.02 11	0.06 9	0.24 12	0.87 13	2.40 15	4.50 16	11.00 15
1977	0.02 16	0.03 17	0.03 14	0.07 12	0.22 11	0.81 12	2.50 16	3.80 14	3.80 5
1978	0.00 11	0.00 11	0.02 12	0.09 13	1.30 20	3.60 19	5.10 18	5.30 18	11.00 16
1979	0.46 22	0.51 22	0.62 22	1.19 22	2.40 21	17.00 23	23.00 22	32.00 22	37.00 22
1980	1.80 23	2.00 23	2.90 23	5.30 23	11.00 23	16.00 22	30.00 23	34.00 23	39.00 23
1981	0.06 20	0.10 20	0.11 20	0.16 18	0.91 19	2.70 18	2.80 17	3.40 12	4.90 9
1982	0.05 19	0.05 19	0.08 19	0.16 19	0.34 14	0.57 10	0.82 9	2.00 10	9.10 13
1983	0.03 17	0.04 18	0.05 16	0.06 10	0.08 8	0.15 5	0.80 8	0.94 5	5.40 10
1984	0.00 12	0.00 12	0.01 9	0.03 8	0.06 7	0.37 7	0.40 5	1.00 6	16.00 19
1985	0.01 13	0.02 15	0.05 17	0.15 17	0.87 18	4.90 21	5.50 19	6.30 19	15.00 17

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	2350.00 4	952.00 10	520.00 9	295.00 11	215.00 6	143.00 12	117.00 8	101.00 9	80.00 9
1963	2180.00 5	1120.00 5	570.00 7	397.00 4	263.00 3	146.00 11	104.00 14	80.00 18	55.00 21
1964	3460.00 1	1510.00 2	941.00 2	472.00 2	248.00 4	178.00 3	121.00 7	93.00 13	63.00 16
1965	564.00 24	407.00 22	328.00 19	165.00 22	147.00 20	96.00 22	92.00 18	76.00 20	53.00 22
1966	1180.00 17	627.00 16	382.00 16	208.00 19	120.00 24	97.00 20	83.00 22	79.00 19	59.00 17
1967	730.00 22	354.00 24	225.00 22	178.00 21	134.00 21	85.00 24	84.00 21	69.00 22	56.00 20
1968	3320.00 2	1720.00 1	1040.00 1	530.00 1	340.00 1	200.00 1	165.00 1	126.00 2	100.00 4
1969	1090.00 18	872.00 12	424.00 14	270.00 13	159.00 17	109.00 17	85.00 20	74.00 21	59.00 18
1970	2170.00 6	1110.00 6	629.00 5	327.00 7	237.00 5	174.00 4	130.00 5	106.00 7	78.00 12
1971	1960.00 8	792.00 15	501.00 10	283.00 12	180.00 12	116.00 16	98.00 17	81.00 17	58.00 19
1972	1290.00 15	590.00 17	397.00 15	300.00 9	180.00 13	133.00 14	112.00 11	92.00 15	76.00 14
1973	1190.00 16	460.00 19	340.00 18	226.00 17	188.00 11	150.00 7	116.00 9	103.00 8	101.00 3
1974	608.00 23	459.00 20	310.00 20	212.00 18	148.00 19	101.00 19	102.00 16	87.00 16	77.00 13
1975	1870.00 10	795.00 14	373.00 17	243.00 15	209.00 8	158.00 5	144.00 2	127.00 1	102.00 1
1976	752.00 21	421.00 21	206.00 24	155.00 24	126.00 22	96.00 21	82.00 23	66.00 23	50.00 23
1977	926.00 19	395.00 23	212.00 23	162.00 23	126.00 23	89.00 23	78.00 24	59.00 24	46.00 24
1978	1810.00 11	968.00 8	539.00 8	302.00 8	164.00 15	108.00 18	90.00 19	93.00 14	79.00 11
1979	1780.00 12	1160.00 4	670.00 4	370.00 5	206.00 10	149.00 8	133.00 3	115.00 4	97.00 5
1980	1330.00 14	828.00 13	473.00 11	237.00 16	163.00 16	126.00 15	103.00 15	96.00 10	89.00 7
1981	2690.00 3	993.00 7	590.00 6	299.00 10	209.00 9	147.00 10	109.00 13	96.00 11	73.00 15
1982	2020.00 7	958.00 9	463.00 12	354.00 6	214.00 7	156.00 6	125.00 6	106.00 5	80.00 10
1983	1620.00 13	1380.00 3	730.00 3	440.00 3	267.00 2	186.00 2	131.00 4	106.00 6	91.00 6
1984	913.00 20	528.00 18	276.00 21	181.00 20	152.00 18	136.00 13	112.00 12	93.00 12	82.00 8
1985	1900.00 9	922.00 11	435.00 13	248.00 14	175.00 14	148.00 9	115.00 10	121.00 3	101.00 2

## HOGAN CREEK BASIN

03276700 SOUTH HOGAN CREEK NEAR DILLSBORD, IN--Continued  
(Hydrologic bench-mark station)

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	39.00	12
1964	24.00	3
1965	30.00	9
1966	30.00	10
1967	28.00	7
1968	30.00	8
1969	58.00	16
1970	27.00	6
1971	52.00	14
1972	25.00	4
1973	63.00	18
1974	53.00	15
1975	69.00	23
1976	34.00	11
1977	17.00	1
1978	44.00	13
1979	64.00	19
1980	68.00	22
1981	21.00	2
1982	62.00	17
1983	26.00	5
1984	64.00	20
1985	65.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	48.00	9
1963	28.00	22
1964	32.00	17
1965	28.00	23
1966	32.00	18
1967	30.00	20
1968	53.00	6
1969	32.00	19
1970	41.00	13
1971	35.00	16
1972	40.00	14
1973	70.00	1
1974	47.00	11
1975	56.00	3
1976	28.00	21
1977	25.00	24
1978	56.00	4
1979	68.00	2
1980	53.00	7
1981	39.00	15
1982	42.00	12
1983	48.00	10
1984	49.00	8
1985	55.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	*	*	*	*	*	*	*	*	*	*	1.63	8.13
1962	0.42	15.40	52.70	105.00	144.00	99.20	18.30	14.80	17.40	110.00	0.42	0.62
1963	1.61	4.68	3.15	16.80	18.80	260.00	16.70	9.19	5.66	0.17	0.00	0.00
1964	0.00	0.00	0.10	3.66	5.61	239.00	109.00	4.13	10.60	5.13	0.04	0.00
1965	0.00	0.02	17.40	38.50	109.00	70.20	90.20	3.55	0.14	3.65	0.00	6.25
1966	19.00	8.94	7.41	78.30	117.00	30.50	94.60	29.60	1.51	0.00	0.94	0.02
1967	0.18	13.80	56.30	10.40	21.90	101.00	45.70	99.30	2.24	0.66	0.04	0.00
1968	0.02	5.50	68.50	31.00	19.60	84.80	66.80	322.00	13.70	3.75	16.40	0.50
1969	0.19	12.10	75.70	136.00	31.30	13.10	70.60	20.50	2.10	9.94	3.65	3.46
1970	0.72	16.20	20.00	25.50	39.90	107.00	237.00	18.30	25.80	1.35	1.50	4.28
1971	8.92	17.60	47.20	39.70	183.00	56.20	13.70	11.60	5.87	3.30	14.20	29.40
1972	5.19	5.35	52.80	38.20	42.10	75.40	179.00	67.40	4.82	3.86	2.33	3.87
1973	8.21	104.00	109.00	56.00	41.40	178.00	116.00	48.10	62.30	107.00	2.35	0.42
1974	4.24	49.60	39.30	96.80	48.00	67.00	114.00	65.60	19.40	1.84	7.23	55.60
1975	14.70	49.90	76.60	122.00	132.00	175.00	62.50	8.65	24.30	0.54	1.61	9.75
1976	24.60	21.90	68.10	107.00	55.50	21.10	8.65	2.99	9.14	2.07	10.30	0.40
1977	7.37	5.02	3.16	0.95	42.90	112.00	29.40	50.50	25.80	17.50	8.91	1.80
1978	7.25	34.70	134.00	48.20	8.29	158.00	25.30	74.30	51.00	60.50	57.30	7.27
1979	30.70	34.50	111.00	96.90	190.00	40.40	94.90	38.00	12.80	48.70	64.40	62.30
1980	19.40	163.00	72.80	68.90	37.90	128.00	60.90	61.40	9.06	1.56	6.50	2.51
1981	4.24	10.60	8.24	3.99	63.10	25.30	89.20	81.20	150.00	34.00	2.03	1.04
1982	0.75	5.80	27.80	189.00	67.30	100.00	48.00	25.50	33.50	2.03	1.46	0.78
1983	0.13	16.80	100.00	29.80	37.00	13.40	116.00	243.00	19.80	1.12	0.20	0.54
1984	48.60	66.20	63.20	22.10	49.60	135.00	130.00	48.60	3.89	7.03	8.06	7.86
1985	14.40	98.30	144.00	45.40	130.00	148.00	36.20	21.20	17.40	1.80	2.47	0.23

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.25	5.57	18.00	22.90	32.70	44.30
FIFTIETH PERCENTILE					
4.71	15.80	54.50	42.50	45.40	99.60
SEVENTY FIFTH PERCENTILE					
14.60	45.90	76.40	96.90	115.00	145.00

03276700 SOUTH HOGAN CREEK NEAR DILLSBORD, IN--Continued  
(Hydrologic bench-mark station)

APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
31.10	12.40	5.03	1.40	0.68	0.41
FIFTIETH PERCENTILE					
68.70	33.80	13.30	3.47	2.33	1.80
SEVENTY FIFTH PERCENTILE					
113.00	66.90	25.40	15.60	8.48	7.56

## 03277000 LAUGHERY CREEK NEAR FARMERS RETREAT, IN

LOCATION.--Lat 38°57'08", long 85°04'15", in NW¼SE¼ sec.2, T.4 N., R.3 W., Ohio County, Hydrologic Unit 05090203, on right bank 2.4 mi southeast of Farmers Retreat, and 3.8 mi downstream from Bear Creek.

DRAINAGE AREA.--248 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1940 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 528.54 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Department of Natural Resources). Prior to Apr. 16, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 272 ft<sup>3</sup>/s, 14.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,800 ft<sup>3</sup>/s Jan. 21, 1959, gage height, 21.13 ft from rating curve extended above 14,000 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow; no flow at times in most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1941	31			1	4	10	16	11	8	15	11	9	16	16	18	33	39	34	27	22	14	10	7	1	3	5	1	2	1							
1942								2	11	4	6	6	6	9	18	10	19	40	27	20	48	41	29	19	12	8	14	5	4	4	2	1				
1943	8			3	7	5	3	6	8	24	13	19	11	9	3	11	14	15	31	34	40	20	18	9	20	12	7	5	7			3				
1944	44			16	18	9	10	17	11	13	14	19	20	29	10	11	6	2	5	8	21	22	17	13	8	4	8	6	3	1	1					
1945				4	6	5	4	9	4	17	22	21	14	16	13	6	15	11	16	15	29	36	26	18	15	14	6	5	7	3	4	2	2			
1946	1			8	6	3	4	2	2	7	3	7	17	16	11	10	12	15	16	31	31	35	43	27	22	11	8	7	5	3	1	1				
1947	12			6	2	3	6	2		1		6	7	13	18	33	16	23	16	18	32	29	26	26	16	8	14	8	11	11	1	1				
1948	6			5	5	3	2	9	8	18	15	32	16	12	12	24	41	19	17	18	21	18	14	14	10	8	5	5	4	1	3	1				
1949	4			23	4	2		1			3	2	5	14	14	25	17	15	22	27	32	24	40	28	22	6	7	3	9	2	8	4	2			
1950											2	8	4	10	23	23	18	14	21	34	25	27	47	30	20	20	7	3	6	15	5	2	1			
1951	29			14	4	2	2	2	1	5	6	9	5	9	8	9	14	18	11	16	23	36	36	29	20	18	11	11	6	3	6	2				
1952	23				1	5	5	12	12	9	7	8	13	2	13	10	17	20	14	20	36	35	33	19	9	13	10	2	6	1	1					
1953	31			5	1	20	15	6	7	8	9	4	2	6	8	15	12	16	16	36	31	31	29	21	8	7	7	8	3	3						
1954	126			12	18	24	11	8	4		2	5	5	3	10	9	13	24	21	32	16	11	6	3	2											
1955	29			1	3	2	2	3	1	1	3	14	19	12	16	26	27	19	16	20	25	20	23	22	22	14	10	2	7	2	4					
1956								1	2		7	7	12	3	8	10	41	37	37	38	20	24	28	24	21	14	9	9	5	5	3	1				
1957	1			4	1	7	6	9	15	10	10	16	23	11	17	11	25	20	13	13	27	47	40	14	7	3	6	4	4	1						
1958					5	3	4	1	3	2	7	7	5	10	4	12	17	20	19	32	20	28	60	41	19	14	9	7	7	5	3	1				
1959					1	5	5	3	2	4	15	13	18	23	24	25	23	34	34	20	13	34	30	9	11	4	7	6				1	1			
1960				4	1			1	3	11	7	15	3	7	17	12	30	28	42	30	26	22	24	16	23	7	4	7	1	3	1					
1961									5	2	5	34	24	38	20	31	16	14	25	20	22	12	20	20	16	10	6	8	7	5	2	1	2			
1962									3	12	21	18	19	16	20	24	17	28	21	32	39	31	17	17	7	8	1	8	5	1						
1963	2			3	2		8	4	12	11	14	15	14	23	14	23	29	39	40	28	15	11	14	13	12	8	2	4	1	2	1	1				
1964	25			12	11	20	37	17	3	2	6	7	10	12	20	24	24	29	14	11	19	13	14	6	5	6	5	4	3	3	2	2				
1965					18	13	10	12	17	23	20	11	6	17	18	14	16	13	10	18	26	26	17	14	11	10	8	5	8	4						
1966				1	5	5	2	13	10	5	12	8	6	7	8	12	42	42	36	28	25	28	15	14	13	6	5	5	7	2	3					
1967		4	7	4	4	9	2	8	7	7	3	4	12	6	10	15	18	10	19	29	53	30	15	19	20	16	10	7	5	5	6	1				
1968				4	3	1	5		1	1	9	17	17	16	10	15	24	51	20	20	24	24	23	21	15	11	16	6	8	1	2	1				
1969									1	7	28	11	13	8	12	19	15	9	28	24	29	32	35	27	17	16	9	9	6	5	4	1				
1970									1	4	24	11	24	17	22	29	14	22	29	30	24	20	18	16	15	19	8	4	3	5	4	2				
1971														5	15	20	24	36	61	51	48	21	18	24	15	11	9	1	3	1	1	1				
1972				3	11	7	5	4		1	7	4	6	5	12	16	44	27	17	28	25	33	27	24	19	17	10	7	3	2	2					
1973											10	10	9	9	10	13	19	7	4	19	30	30	41	35	36	31	23	10	8	10	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	372	12053	100.00	12	2.7	399	10213	84.73	24	280.0	677	2349	19.49
1	0.04	4	11681	96.91	13	4.0	353	9814	81.42	25	410.0	511	1672	13.87
2	0.06	7	11677	96.88	14	5.9	441	9461	78.49	26	600.0	347	1161	9.63
3	0.09	126	11670	96.82	15	8.7	456	9020	74.84	27	880.0	250	814	6.75
4	0.13	11	11544	95.78	16	13.0	574	8564	71.05	28	1300.0	176	564	4.68
5	0.19	145	11533	95.69	17	19.0	721	7990	66.29	29	1900.0	172	388	3.22
6	0.27	145	11388	94.48	18	28.0	753	7269	60.31	30	2800.0	109	216	1.79
7	0.40	173	11243	93.28	19	40.0	765	6516	54.06	31	4100.0	67	107	0.89
8	0.59	172	11070	91.84	20	59.0	890	5751	47.71	32	6000.0	24	40	0.33
9	0.87	156	10898	90.42	21	87.0	848	4861	40.33	33	8800.0	15	16	0.13
10	1.3	257	10742	89.12	22	130.0	803	4013	33.29	34	13000.0	1	1	0.01
11	1.9	272	10485	86.99	23	190.0	861	3210	26.63					

## 03277000 LAUGHERY CREEK NEAR FARMERS RETREAT, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.24  
P90 = 1.0  
P75 = 8.6  
P70 = 14.3  
P50 = 52.2  
P25 = 211.0  
P10 = 584.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1942	0.20 15	0.20 15	0.26 15	0.32 14	0.55 14	2.90 15	3.40 7	9.90 10	25.00 9
1943	0.80 21	0.80 20	0.94 19	1.30 20	1.80 19	2.30 12	6.10 14	24.00 23	58.00 23
1944	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.04 3	0.10 2	0.17 2	6.30 3
1945	0.00 2	0.10 12	0.14 10	0.20 10	0.43 13	1.00 10	3.30 6	6.50 8	6.30 4
1946	1.00 23	1.19 24	1.70 26	2.30 26	16.00 31	39.00 30	46.00 28	55.00 28	110.00 28
1947	0.00 3	0.00 2	0.00 2	0.03 7	0.09 7	0.31 7	9.90 22	16.00 18	40.00 16
1948	1.30 26	1.30 25	1.40 24	1.70 24	2.40 22	4.90 19	10.00 23	13.00 16	45.00 19
1949	0.00 4	0.00 3	0.00 3	0.03 8	0.08 6	0.19 6	5.70 12	34.00 24	35.00 13
1950	2.10 28	2.40 28	3.80 30	8.60 29	11.00 28	30.00 28	35.00 27	39.00 26	91.00 27
1951	2.30 29	2.50 29	3.00 29	9.20 30	12.00 29	50.00 32	90.00 32	109.00 32	162.00 31
1952	0.00 5	0.00 4	0.00 4	0.00 2	0.02 5	0.03 2	0.15 3	1.30 4	20.00 8
1953	0.30 17	0.30 17	0.30 17	0.31 13	0.36 12	1.70 11	5.40 11	20.00 19	37.00 15
1954	0.00 6	0.00 5	0.00 5	0.00 3	0.00 2	0.00 1	0.00 1	0.04 1	5.50 2
1955	0.00 7	0.00 6	0.00 6	0.00 4	0.00 3	0.05 4	5.30 10	5.50 7	7.50 5
1956	0.00 8	0.00 7	0.00 7	0.00 5	0.23 9	14.00 27	73.00 31	90.00 31	127.00 29
1957	0.50 19	0.63 19	1.19 20	1.40 23	3.10 25	7.10 24	26.00 25	22.00 21	51.00 21
1958	0.00 9	0.07 10	0.14 11	0.35 15	1.19 15	4.50 18	5.20 9	11.00 12	136.00 30
1959	3.20 31	4.50 31	6.40 31	10.00 31	14.00 30	43.00 31	55.00 30	75.00 30	238.00 32
1960	0.10 12	0.10 11	0.19 12	0.36 16	1.50 17	5.50 21	7.30 17	12.00 13	43.00 18
1961	1.00 24	1.10 23	1.19 21	1.30 21	1.70 18	2.60 13	4.60 8	5.20 6	16.00 7
1962	2.30 30	2.50 30	2.90 28	3.20 28	4.50 27	10.00 26	35.00 26	50.00 27	71.00 25
1963	1.70 27	1.80 27	1.90 27	2.10 25	4.10 26	5.80 23	8.30 19	15.00 17	31.00 10
1964	0.00 10	0.00 8	0.00 8	0.00 6	0.02 4	0.17 5	0.25 4	0.37 3	3.50 1
1965	0.20 16	0.20 16	0.20 13	0.24 11	0.24 10	0.58 9	9.20 20	7.20 9	33.00 11
1966	0.40 18	0.47 18	0.64 18	0.89 18	2.60 23	8.90 25	7.80 18	10.00 11	36.00 14
1967	0.10 13	0.17 14	0.29 16	0.59 17	2.00 21	5.60 22	6.10 15	13.00 14	42.00 17
1968	0.04 11	0.05 9	0.07 9	0.07 9	0.14 8	0.36 8	1.30 5	3.40 5	13.00 6
1969	0.76 20	0.98 22	1.19 22	1.30 19	1.30 16	2.80 14	6.90 16	35.00 25	56.00 22
1970	0.84 22	0.93 21	1.30 23	1.40 22	1.90 20	3.60 16	6.00 13	23.00 22	46.00 20
1971	1.30 25	1.40 26	1.70 25	2.40 27	2.90 24	5.10 20	9.60 21	13.00 15	34.00 12
1972	7.00 32	7.10 32	8.50 32	17.00 32	23.00 32	35.00 29	53.00 29	59.00 29	62.00 24
1973	0.16 14	0.16 13	0.20 14	0.28 12	0.34 11	3.90 17	11.00 24	20.00 20	83.00 26

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1941	2000.00 32	1530.00 32	1050.00 32	765.00 32	413.00 32	218.00 32	157.00 32	129.00 32	112.00 32
1942	5030.00 27	3000.00 30	1560.00 30	1070.00 30	608.00 31	494.00 31	449.00 29	429.00 29	342.00 30
1943	8740.00 12	6090.00 9	4070.00 8	2350.00 7	1230.00 13	794.00 20	677.00 19	597.00 16	477.00 16
1944	5100.00 26	3610.00 24	1960.00 27	1110.00 29	819.00 29	661.00 26	572.00 27	446.00 28	299.00 31
1945	12900.00 2	7940.00 4	5480.00 1	3750.00 1	2420.00 1	1570.00 2	1170.00 4	999.00 3	716.00 4
1946	6210.00 21	3710.00 22	1860.00 28	1350.00 24	891.00 26	670.00 25	612.00 24	551.00 23	485.00 14
1947	7510.00 14	4080.00 17	2190.00 25	1700.00 17	1380.00 10	1280.00 4	1000.00 5	801.00 6	701.00 5
1948	6260.00 20	4840.00 15	2370.00 21	1280.00 27	1230.00 14	896.00 15	691.00 15	560.00 21	383.00 25
1949	10500.00 6	6660.00 7	4250.00 7	2710.00 4	2140.00 3	1410.00 3	1190.00 3	1030.00 2	755.00 3
1950	9270.00 10	7300.00 6	4320.00 6	3520.00 2	2350.00 2	1890.00 1	1420.00 1	1250.00 1	906.00 1
1951	6540.00 18	4340.00 16	2430.00 18	1750.00 16	1210.00 16	1040.00 10	934.00 6	909.00 5	769.00 2
1952	6460.00 19	3820.00 21	1970.00 26	1810.00 13	1160.00 18	954.00 12	824.00 10	734.00 7	554.00 9
1953	2990.00 31	2030.00 31	1240.00 31	951.00 31	702.00 30	505.00 30	443.00 30	402.00 30	366.00 27
1954	500.00 33	417.00 33	252.00 33	151.00 33	138.00 33	113.00 33	93.00 33	82.00 33	60.00 33
1955	5510.00 22	3550.00 25	2480.00 16	2030.00 11	1570.00 7	1050.00 9	831.00 9	678.00 11	500.00 11
1956	9600.00 8	5400.00 12	2670.00 13	1300.00 26	1220.00 15	898.00 13	750.00 13	681.00 9	524.00 10
1957	10100.00 7	5710.00 11	3330.00 9	1760.00 15	1000.00 24	752.00 21	590.00 26	548.00 24	487.00 13
1958	6780.00 16	4980.00 14	2630.00 14	1800.00 14	1010.00 23	708.00 22	650.00 21	610.00 14	457.00 19
1959	19100.00 1	10900.00 1	5000.00 3	2650.00 5	1690.00 5	1160.00 6	876.00 7	681.00 10	495.00 12
1960	9540.00 9	5190.00 13	2420.00 19	1520.00 20	826.00 28	558.00 29	388.00 31	363.00 31	379.00 26

## 03277000 LAUGHERY CREEK NEAR FARMERS RETREAT, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	12100.00	5	9700.00	3	4750.00	4	2410.00	6	1730.00	4	1140.00	7	1210.00	2	943.00	4	653.00	7
1962	4470.00	28	3940.00	18	2480.00	17	1520.00	21	1200.00	17	807.00	19	684.00	16	590.00	17	424.00	21
1963	8960.00	11	5830.00	10	2960.00	11	2210.00	9	1550.00	8	883.00	17	641.00	22	509.00	26	358.00	28
1964	12700.00	3	9860.00	2	5280.00	2	3080.00	3	1640.00	6	1270.00	5	859.00	8	664.00	12	462.00	18
1965	3440.00	30	3100.00	29	2330.00	22	1190.00	28	1050.00	21	683.00	24	674.00	20	604.00	15	416.00	24
1966	5360.00	23	3940.00	19	2530.00	15	1440.00	22	877.00	27	643.00	28	604.00	25	554.00	22	423.00	22
1967	5280.00	24	3330.00	27	1820.00	29	1340.00	25	994.00	25	660.00	27	617.00	23	520.00	25	441.00	20
1968	12600.00	4	7420.00	5	4410.00	5	2300.00	8	1490.00	9	958.00	11	814.00	11	650.00	13	557.00	8
1969	8280.00	13	6280.00	8	3230.00	10	2100.00	10	1340.00	11	897.00	14	680.00	18	583.00	18	463.00	17
1970	6930.00	15	3630.00	23	2370.00	20	1360.00	23	1080.00	20	885.00	16	684.00	17	579.00	19	418.00	23
1971	6570.00	17	3870.00	20	2670.00	12	1600.00	19	1040.00	22	701.00	23	570.00	28	474.00	27	345.00	29
1972	5100.00	25	3450.00	26	2220.00	23	1820.00	12	1110.00	19	848.00	18	706.00	14	576.00	20	484.00	15
1973	4380.00	29	3250.00	28	2190.00	24	1610.00	18	1270.00	12	1050.00	8	801.00	12	719.00	8	691.00	6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1942	161.00	4
1943	257.00	17
1944	141.00	2
1945	323.00	23
1946	334.00	24
1947	213.00	12
1948	390.00	27
1949	445.00	29
1950	467.00	31
1951	475.00	32
1952	303.00	21
1953	171.00	6
1954	99.00	1
1955	228.00	14
1956	283.00	20
1957	208.00	11
1958	322.00	22
1959	451.00	30
1960	159.00	3
1961	275.00	19
1962	375.00	26
1963	203.00	9
1964	174.00	7
1965	243.00	16
1966	205.00	10
1967	236.00	15
1968	220.00	13
1969	361.00	25
1970	202.00	8
1971	272.00	18
1972	170.00	5
1973	406.00	28

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1941	61.00	32
1942	195.00	29
1943	256.00	18
1944	152.00	31
1945	378.00	6
1946	282.00	12
1947	386.00	5
1948	205.00	27
1949	459.00	2
1950	505.00	1
1951	407.00	4
1952	300.00	11
1953	200.00	28
1954	32.00	33
1955	274.00	13
1956	338.00	9
1957	262.00	16
1958	368.00	7
1959	272.00	14
1960	225.00	23
1961	343.00	8
1962	250.00	19
1963	186.00	30
1964	235.00	21
1965	215.00	25
1966	230.00	22
1967	242.00	20
1968	304.00	10
1969	268.00	15
1970	221.00	24
1971	207.00	26
1972	258.00	17
1973	454.00	3

## 03277000 LAUGHERY CREEK NEAR FARMERS RETREAT, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	0.00	6.72	24.80	87.90	81.70	39.70	43.90	10.20	410.00	24.10	0.88	6.33
1942	15.70	76.60	213.00	213.00	643.00	314.00	385.00	166.00	213.00	63.60	78.30	3.38
1943	1.85	114.00	383.00	111.00	386.00	1185.0	281.00	505.00	44.90	15.30	37.30	0.33
1944	0.01	0.16	0.27	32.50	193.00	583.00	700.00	272.00	18.00	3.69	16.30	5.99
1945	1.05	6.80	56.40	86.80	858.00	1885.0	704.00	255.00	535.00	64.50	54.60	66.60
1946	56.80	335.00	385.00	242.00	879.00	493.00	110.00	735.00	112.00	40.20	30.90	0.50
1947	0.19	104.00	307.00	800.00	122.00	166.00	1252.0	996.00	611.00	224.00	31.40	8.71
1948	2.43	22.60	19.10	188.00	616.00	737.00	689.00	66.00	16.00	60.70	72.30	0.36
1949	0.11	393.00	545.00	2072.0	658.00	764.00	96.40	32.00	713.00	142.00	78.20	17.70
1950	70.20	14.60	310.00	2258.0	1425.0	503.00	584.00	205.00	393.00	85.40	14.00	265.00
1951	78.70	659.00	698.00	1017.0	1035.0	716.00	537.00	118.00	51.70	22.10	0.63	0.05
1952	0.17	49.10	567.00	956.00	671.00	670.00	345.00	115.00	122.00	30.50	45.70	25.50
1953	1.16	7.54	114.00	663.00	133.00	441.00	336.00	414.00	75.40	183.00	12.80	0.00
1954	0.00	0.01	0.20	38.10	25.70	95.10	91.60	82.30	26.40	0.00	20.10	0.26
1955	10.00	7.23	111.00	307.00	1170.0	978.00	205.00	189.00	133.00	198.00	12.70	35.10
1956	193.00	532.00	94.60	206.00	1103.0	536.00	458.00	612.00	202.00	91.60	10.20	58.50
1957	17.00	4.81	141.00	290.00	397.00	227.00	990.00	511.00	202.00	372.00	7.11	8.04
1958	3.31	256.00	950.00	253.00	127.00	167.00	344.00	710.00	402.00	738.00	357.00	74.60
1959	19.10	78.10	146.00	1377.0	668.00	493.00	159.00	131.00	165.00	25.70	7.82	9.16
1960	7.63	54.10	218.00	381.00	525.00	238.00	123.00	224.00	678.00	245.00	21.40	6.63
1961	2.97	7.04	8.23	70.50	550.00	1376.0	551.00	1182.0	149.00	93.30	51.90	69.70
1962	13.60	87.20	304.00	600.00	715.00	692.00	138.00	88.50	33.00	337.00	9.46	6.48
1963	9.76	37.90	23.10	99.20	142.00	1488.0	229.00	133.00	30.10	10.40	8.40	1.42
1964	0.03	0.39	0.34	36.60	27.50	1586.0	881.00	49.10	86.10	115.00	1.49	26.60
1965	0.62	0.60	73.40	433.00	759.00	542.00	698.00	47.10	4.65	14.90	3.75	48.40
1966	123.00	37.80	41.30	506.00	801.00	196.00	643.00	403.00	24.80	2.34	12.90	22.40
1967	19.60	179.00	521.00	88.40	217.00	692.00	344.00	769.00	41.10	8.49	3.60	0.20
1968	1.79	26.70	514.00	279.00	178.00	454.00	480.00	1407.0	76.30	95.60	100.00	4.91
1969	1.38	64.60	556.00	1059.0	366.00	95.40	490.00	183.00	97.10	271.00	17.30	7.49
1970	2.01	67.10	125.00	221.00	284.00	667.00	1022.0	156.00	81.90	4.08	12.30	21.10
1971	49.10	101.00	245.00	219.00	1063.0	370.00	103.00	97.90	73.70	48.50	64.20	118.00
1972	46.50	23.60	368.00	288.00	249.00	553.00	1105.0	343.00	74.80	25.10	5.38	14.00
1973	36.00	679.00	765.00	365.00	278.00	1176.0	880.00	249.00	526.00	462.00	21.80	4.63
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.83	7.13	48.80	105.00	186.00	276.00
------	------	-------	--------	--------	--------

## FIFTIETH PERCENTILE

3.31	49.10	213.00	279.00	525.00	542.00
------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

27.80	109.00	450.00	632.00	780.00	751.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

182.00	106.00	43.00	18.69	8.11	2.40
--------	--------	-------	-------	------	------

## FIFTIETH PERCENTILE

458.00	205.00	97.10	63.60	16.30	8.04
--------	--------	-------	-------	-------	------

## SEVENTY FIFTH PERCENTILE

699.00	508.00	303.00	191.00	48.80	30.80
--------	--------	--------	--------	-------	-------

## 03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN

LOCATION.--Lat 38°52'41", long 85°15'26", in SW¼NW¼ sec.13, T.5 N., R.11 E., Jefferson County, Hydrologic Unit 05140101, on downstream end of left pier of bridge on State Highway 62, 1,500 ft upstream from Wilson Fork, 2.0 mi northeast of Canaan, and at mile 16.7.

DRAINAGE AREA.--27.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Elevation of gage is 590 ft above National Geodetic Vertical Datum of 1929, from topographic map.

AVERAGE DISCHARGE.--16 years, 35.3 ft<sup>3</sup>/s, 17.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,240 ft<sup>3</sup>/s June 10, 1981, maximum gage height, 11.27 ft Aug. 1, 1979; no flow for many days in many years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1970	39	26	3	2	4	3	2	12	10	11	8	11	8	8	13	20	27	21	15	21	23	20	12	13	11	10	5	4		2		1			
1971								3	11	11	4	7	5	16	18	31	33	35	43	29	27	16	21	21	13	10	7	1	1	1		1			
1972	21	3		4	7	13	8	6	6	7	14	14	11	18	15	13	17	19	11	14	29	29	29	12	15	11	10	6	3	1					
1973		2	4	1	2	3	5	4	5	8	3	3	6	11	18	9	7	8	20	19	38	33	32	40	30	24	13	9	6	2					
1974			3	1	2	2	3	11	5	18	7	14	10	8	16	11	12	12	21	22	31	30	29	27	27	16	15	6	5	1					
1975	43	4		1	7	2	2	6	5	7	6	3	3	4	2	3	23	23	12	16	27	36	39	32	20	18	5	5	4	2	3	1	1		
1976			2		1	5	4	10	10	13	6	6	13	20	22	35	24	25	22	20	35	35	18	12	8	7	2	5	2	2	2				
1977							6	10	5	19	31	26	13	20	31	12	39	28	10	16	24	22	14	13	11	3	5	3	3		1				
1978								3	5	3	2	8	10	16	33	22	15	38	32	57	32	19	14	18	11	5	7	7	6	1	1				
1979							1	1	1	6	11	14	10	12	15	17	19	19	21	47	50	35	20	19	11	8	8	4	8	2	5		1		
1980							3	13	10	6	4	7	4	13	13	20	32	22	32	35	32	30	27	17	16	9	6	7	3	2	2	1			
1981			5	4	1	5	4	8	3	7	6	11	26	19	15	25	25	21	25	19	19	25	23	20	14	12	8	5	5	1	1	1	1		
1982			5	16	1	5	11	3	6	7	8	11	11	12	8	14	20	21	24	21	19	21	25	24	21	14	4	13	9	2	4	2	1	1	1
1983	14	2	7	3	3	3	6	7	7	2	5	28	12	12	13	10	14	13	34	20	34	25	24	18	7	13	6	6	6	3	4	3	1		
1984	18	1	1	3	1	6	1	6	5	7	13	20	3	9	9	6	4	14	15	27	28	36	35	29	23	17	9	7	6	2	2	3			
1985	38	1		1	2	1	2	4	5	3	5	10	11	5	10	13	18	26	28	40	31	30	25	17	13	8	6	5	3	1	2			1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	173	5844	100.00	12	0.75	167	4790	81.96	24	56.0	264	838	14.34
1	0.01	48	5671	97.04	13	1.1	177	4623	79.11	25	80.0	200	574	9.82
2	0.02	41	5623	96.22	14	1.5	231	4446	76.08	26	120.0	123	374	6.40
3	0.03	17	5582	95.52	15	2.2	285	4215	72.13	27	170.0	95	251	4.29
4	0.04	38	5565	95.23	16	3.2	287	3930	67.25	28	240.0	62	156	2.67
5	0.06	54	5527	94.58	17	4.5	342	3643	62.34	29	340.0	44	94	1.61
6	0.09	43	5473	93.65	18	6.5	366	3301	56.49	30	490.0	20	50	0.86
7	0.12	86	5430	92.92	19	9.3	349	2935	50.22	31	700.0	22	30	0.51
8	0.18	109	5344	91.44	20	13.0	513	2586	44.25	32	1000.0	5	8	0.14
9	0.26	124	5235	89.58	21	19.0	477	2073	35.47	33	1400.0	3	3	0.05
10	0.37	125	5111	87.46	22	27.0	419	1596	27.31	34				
11	0.52	196	4986	85.32	23	39.0	339	1177	20.14					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.05  
P90 = 0.24  
P75 = 1.7  
P70 = 2.6  
P50 = 9.4  
P25 = 30.9  
P10 = 79.1



## 03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.38 3	0.48 1	1.30 1	3.00 1
1972	0.12 12	0.13 12	0.17 13	0.37 13	1.50 14	2.00 11	5.00 11	7.40 11	9.00 7
1973	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.74 6	0.69 2	1.80 5	8.20 6
1974	0.01 6	0.01 6	0.02 7	0.05 7	0.44 8	0.63 5	0.69 3	1.60 2	14.00 9
1975	0.02 8	0.02 8	0.04 8	0.16 11	0.80 11	3.10 12	7.90 13	17.00 14	20.00 12
1976	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.03 1	1.00 5	1.60 3	5.90 3
1977	0.02 9	0.03 9	0.06 9	0.13 10	0.55 9	1.30 10	3.00 10	4.60 8	6.10 4
1978	0.12 13	0.13 13	0.15 12	0.24 12	1.19 12	6.20 14	7.40 12	11.00 12	14.00 10
1979	0.21 15	0.24 14	0.30 14	0.70 14	1.50 13	5.70 13	15.00 15	17.00 13	20.00 13
1980	0.17 14	0.24 15	0.44 15	1.00 15	2.90 15	9.70 15	12.00 14	22.00 15	29.00 15
1981	0.05 11	0.05 10	0.06 10	0.08 8	0.20 7	0.95 7	1.19 6	3.00 6	4.20 2
1982	0.01 7	0.01 7	0.01 6	0.01 5	0.02 4	0.15 2	0.91 4	3.20 7	7.40 5
1983	0.04 10	0.06 11	0.07 11	0.11 9	0.18 6	0.55 4	1.40 7	1.80 4	12.00 8
1984	0.00 4	0.00 4	0.00 4	0.00 4	0.10 5	1.00 8	1.50 8	5.60 9	24.00 14
1985	0.00 5	0.00 5	0.00 5	0.03 6	0.69 10	1.19 9	2.00 9	6.30 10	15.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	888.00 8	361.00 11	179.00 13	146.00 12	103.00 13	76.00 14	65.00 14	53.00 14	39.00 14
1971	701.00 12	298.00 13	183.00 12	118.00 14	84.00 16	58.00 16	52.00 16	44.00 16	33.00 16
1972	469.00 14	272.00 14	201.00 11	151.00 11	96.00 14	82.00 11	72.00 10	58.00 12	47.00 12
1973	428.00 15	241.00 15	172.00 14	129.00 13	109.00 10	92.00 9	73.00 8	64.00 9	65.00 7
1974	366.00 16	223.00 16	164.00 16	116.00 16	96.00 15	73.00 15	72.00 9	62.00 11	52.00 10
1975	1390.00 4	600.00 7	282.00 9	204.00 4	153.00 4	118.00 3	104.00 4	92.00 3	76.00 4
1976	613.00 13	339.00 12	168.00 15	117.00 15	104.00 12	81.00 12	66.00 12	54.00 13	39.00 15
1977	715.00 11	419.00 10	210.00 10	164.00 10	119.00 8	80.00 13	64.00 15	49.00 15	42.00 13
1978	888.00 9	552.00 8	334.00 7	187.00 7	136.00 6	90.00 10	65.00 13	70.00 8	60.00 9
1979	1400.00 3	627.00 6	417.00 2	230.00 3	162.00 3	110.00 5	105.00 3	93.00 1	81.00 1
1980	1140.00 5	689.00 5	392.00 4	198.00 5	137.00 5	102.00 6	84.00 5	73.00 6	73.00 5
1981	1060.00 7	459.00 9	328.00 8	175.00 8	105.00 11	93.00 8	70.00 11	63.00 10	47.00 11
1982	1540.00 1	855.00 2	413.00 3	316.00 2	186.00 2	133.00 2	108.00 1	93.00 2	77.00 3
1983	1120.00 6	1010.00 1	573.00 1	345.00 1	217.00 1	150.00 1	107.00 2	87.00 4	80.00 2
1984	731.00 10	699.00 4	352.00 6	171.00 9	111.00 9	99.00 7	82.00 6	70.00 7	64.00 8
1985	1430.00 2	730.00 3	357.00 5	191.00 6	123.00 7	111.00 4	80.00 7	83.00 5	71.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	23.00 4
1972	19.00 2
1973	38.00 9
1974	34.00 7
1975	50.00 13
1976	26.00 5
1977	17.00 1
1978	37.00 8
1979	46.00 10
1980	53.00 14
1981	21.00 3
1982	48.00 11
1983	30.00 6
1984	56.00 15
1985	48.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	21.00 16
1971	22.00 15
1972	25.00 12
1973	41.00 6
1974	33.00 10
1975	41.00 7
1976	23.00 14
1977	24.00 13
1978	37.00 9
1979	56.00 1
1980	47.00 2
1981	26.00 11
1982	41.00 8
1983	44.00 3
1984	44.00 4
1985	41.00 5

INDIAN-KENTUCK CREEK BASIN  
03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	0.02	7.17	14.50	24.40	34.60	77.70	71.30	9.11	3.86	0.30	0.66	4.14
1971	6.91	12.40	37.70	19.70	81.20	35.10	11.60	10.20	11.00	10.40	11.80	17.10
1972	2.41	1.99	30.50	23.50	38.60	58.10	95.70	36.60	3.96	0.54	1.40	2.62
1973	3.83	68.20	70.90	36.60	33.50	97.90	83.80	25.00	34.60	40.80	1.49	0.99
1974	0.43	21.70	25.60	70.00	35.10	64.00	66.20	45.60	12.80	1.94	13.60	45.00
1975	10.60	39.10	53.80	79.70	98.20	134.00	53.80	10.10	17.60	0.12	0.00	3.01
1976	10.40	13.00	52.80	86.30	49.80	19.00	6.55	4.63	9.11	2.31	13.10	5.20
1977	12.60	8.10	3.95	0.60	40.40	94.90	31.00	26.90	13.60	27.50	22.20	6.06
1978	8.78	50.90	104.00	35.10	9.74	99.80	17.00	49.70	6.69	23.60	34.20	5.09
1979	36.50	42.40	129.00	71.40	111.00	30.00	95.70	20.20	9.61	12.00	58.60	57.90
1980	12.80	137.00	57.90	54.30	29.50	86.70	49.20	76.50	35.90	7.33	10.90	0.54
1981	2.01	4.98	5.04	2.86	44.30	20.40	104.00	40.90	57.70	20.20	11.90	0.49
1982	0.11	2.36	26.30	169.00	53.40	83.60	43.90	48.40	49.20	10.10	2.57	0.91
1983	0.78	34.90	95.00	24.70	35.30	11.70	95.20	193.00	27.60	7.04	1.44	0.54
1984	83.60	62.00	53.00	17.10	36.30	92.60	101.00	46.20	10.60	16.60	2.15	1.58
1985	10.70	74.60	86.30	27.50	91.20	114.00	29.00	22.40	20.70	14.30	6.07	0.05

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.09	7.40	25.80	20.60	34.70	31.30
FIFTIETH PERCENTILE					
7.84	28.30	52.90	31.30	39.50	80.60
SEVENTY FIFTH PERCENTILE					
12.10	59.20	82.40	71.00	74.20	97.10
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
29.50	12.70	9.23	2.03	1.45	0.63
FIFTIETH PERCENTILE					
60.00	31.70	13.20	10.30	8.48	2.81
SEVENTY FIFTH PERCENTILE					
95.60	47.80	32.80	19.30	13.50	5.84

## 03294000 SILVER CREEK NEAR SELLERSBURG, IN

LOCATION.--Lat 38°22'15", long 85°43'35", in SW¼SW¼ lot 68, Clark Military Grant, Clark County, Hydrologic Unit 05150101, on downstream side of Straws Mill bridge on Watson Road, 0.3 mi downstream from Pleasant Run, 2.4 mi southeast of Sellersburg, and 12.2 mi upstream from mouth.

DRAINAGE AREA.--189 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1954 to September 1985.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 429.78 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 6, 1976, and Feb. 15 to Sept. 20, 1984 nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--Some regulation by Deam Lake.

AVERAGE DISCHARGE.--31 years, 225 ft<sup>3</sup>/s, 16.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft<sup>3</sup>/s Jan. 22, 1959, gage height, 30.89 ft, from floodmarks, from rating curve extended above 6,300 ft<sup>3</sup>/s on basis of contracted-opening measurements of peak flow, at site 5.2 mi upstream, drainage area, 165 mi, adjusted to gage site; no flow at times in most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1955	26	3			4	1	7	4	8	4	14	11	20	17	21	22	19	25	17	26	28	16	18	13	12	6	8	6	2	4	3					
1956	1	2			3	1	5		7	11	17	18	13	24	31	32	32	14	9	24	19	25	19	17	10	9	7	5	4	1	6					
1957	18	11	6		11	3	8	4	10	8	10	16	5	13	24	15	13	13	19	29	22	28	21	14	11	12	5	6	2	2	5		1			
1958	7				1	8				3	12	5	8	8	13	13	12	21	23	32	34	36	33	28	29	13	5	8	6	4	3					
1959	9	7			6	3	13	13	10	6	12	3	10	5	7	30	27	38	24	21	19	25	18	23	13	7	2	6	4	2			1	1		
1960	1	3	4		5		3	4	9	12	15	11	11	14	10	19	17	40	22	19	32	21	22	16	28	9	5	4	2	3	1	2	1	1		
1961	1	1			4	1		4	11	21	21	22	19	36	16	34	28	14	9	12	16	23	12	21	9	4	9	8	2		1		2			
1962	1	3			2	7	13	21	14	18	17	11	17	8	13	22	19	25	20	46	28	21	16	5	7	1	2	3		2	1					
1963		1	7		2		3	2	11	18	21	31	16	22	16	35	34	40	23	20	15	8	11	7	7	5	3	2	2	1	2					
1964		4	34		20	22	43	6	5	6	7	14	18	29	12	14	16	21	16	19	12	13	9	4	3	4	3	5	1	1	1	3	1	1		
1965	8	17	8		6	3	14	6	5	4	10	26	18	14	13	21	16	13	15	23	18	26	26	15	14	14	2	8	1	1						
1966					2	1	2	4	8	9	14	12	17	13	37	53	30	14	17	24	18	23	15	16	7	7	4	3	7	3	4	1				
1967									3	10	15	36	31	20	20	14	12	26	34	32	21	20	19	12	14	8	3	8	4	3						
1968					2	1	5	7	11	8	12	20	17	16	11	22	48	28	11	22	18	16	22	20	14	14	7	8	1	3	2					
1969					4	9	17	13	6	4	12	8	14	23	7	12	15	24	23	22	28	28	25	15	10	5	5	5	2	1	3					
1970		3			4	1	3	6	3	6	4	8	21	37	31	27	17	18	17	17	18	28	23	21	17	10	8	2	3	4	3	3	2			
1971										1	9	27	27	20	17	34	31	35	33	31	24	26	12	12	9	5	6	2	2		2					
1972								1	6	5	19	39	39	25	20	15	20	25	16	16	18	33	22	10	10	6	4	5	4	6	2					
1973											11	13	17	6	9	11	22	25	28	43	33	26	24	18	14	11	7	2	2							
1974								6	4	7	9	10	13	20	25	22	27	33	27	29	36	27	18	15	14	8	6	7	1	1						
1975					5	4	15	3	3	3	4	11	17	5	23	9	10	23	22	29	52	42	19	22	16	10	6	3	5	4	2			1		
1976										2	13	18	18	14	32	32	26	21	27	37	39	20	26	11	9	4	6	3	4	4						
1977									1	25	40	42	42	47	18	18	21	20	13	26	13	13	10	8	3	2	2		1							
1978														8	10	23	22	41	50	40	38	28	26	27	15	11	7	10	7	1	1					
1979												1	6	11	24	22	27	30	26	41	44	29	20	24	19	8	10	5	10	7	1					
1980										1	11	15	10	13	11	14	19	23	39	32	46	43	23	23	12	13	6	7	3	2						
1981												6	45	42	40	39	14	38	20	25	26	23	20	7	8	6	4	1	1							
1982										3	10	18	19	26	21	31	19	30	23	21	22	38	21	18	17	10	6	3	4	2	1	2				
1983								2	6	18	22	19	17	14	18	20	9	11	18	18	30	28	35	20	20	10	7	9	6	2	1	3	2			
1984								3	4	5	13	13	21	25	22	12	18	12	12	15	26	42	36	27	23	15	7	5	7	1			2			
1985									3	5	8	8	19	15	16	25	20	45	22	21	21	37	26	28	17	11	6	3	5	2			2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	72	11323	100.00	12	5.2	578	9675	85.45	24	380.0	482	1456	12.86
1	0.10	44	11251	99.36	13	7.4	560	9097	80.34	25	550.0	313	974	8.60
2	0.14	70	11207	98.98	14	11.0	583	8537	75.40	26	790.0	182	661	5.84
3	0.21	8	11137	98.36	15	15.0	686	7954	70.25	27	1100.0	173	479	4.23
4	0.29	78	11129	98.29	16	22.0	650	7268	64.19	28	1600.0	124	306	2.70
5	0.42	64	11051	97.60	17	31.0	746	6618	58.45	29	2300.0	84	182	1.61
6	0.60	129	10987	97.03	18	45.0	665	5872	51.86	30	3300.0	59	98	0.87
7	0.86	80	10858	95.89	19	64.0	759	5207	45.99	31	4700.0	23	39	0.34
8	1.2	154	10778	95.19	20	91.0	782	4448	39.28	32	6800.0	9	16	0.14
9	1.8	190	10624	93.83	21	130.0	916	3666	32.38	33	9700.0	6	7	0.06
10	2.5	297	10434	92.15	22	190.0	751	2750	24.29	34	14000.0	1	1	0.01
11	3.6	462	10137	89.53	23	270.0	543	1999	17.65					

## 03294000 SILVER CREEK NEAR SELLERSBURG, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.3  
 P90 = 3.4  
 P75 = 11.3  
 P70 = 15.3  
 P50 = 51.0  
 P25 = 185.0  
 P10 = 494.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1956	0.00 1	0.00 1	0.00 1	0.11 3	0.26 4	3.70 8	27.00 24	34.00 24	49.00 20
1957	0.00 2	0.00 2	0.03 5	0.32 7	1.30 7	2.00 5	4.50 5	5.00 3	7.60 1
1958	0.00 3	0.00 3	0.00 2	0.02 1	0.22 2	0.64 3	4.60 6	17.00 17	132.00 28
1959	2.80 24	3.90 24	6.70 28	9.10 28	20.00 28	52.00 29	57.00 28	81.00 28	112.00 26
1960	0.00 4	0.00 4	0.03 3	0.24 5	1.90 9	3.10 6	6.00 8	6.20 4	16.00 7
1961	0.00 5	0.10 8	0.21 8	0.29 6	2.50 11	4.30 9	5.90 7	7.50 5	12.00 3
1962	1.00 16	1.40 17	2.10 18	3.10 18	4.50 17	6.20 14	11.00 14	15.00 14	44.00 18
1963	0.00 6	0.13 10	0.39 11	0.92 11	1.90 10	12.00 22	18.00 21	20.00 21	21.00 12
1964	0.10 10	0.10 9	0.14 6	0.16 4	0.23 3	0.39 1	0.49 1	2.00 2	10.00 2
1965	0.00 7	0.00 5	0.03 4	0.06 2	0.17 1	0.61 2	0.88 2	1.40 1	17.00 8
1966	0.10 8	0.10 6	0.29 9	0.48 9	1.80 8	10.00 20	13.00 18	16.00 15	51.00 21
1967	0.40 12	0.53 12	0.70 12	1.10 12	4.50 18	5.00 10	9.70 11	11.00 12	19.00 9
1968	0.60 13	1.00 15	1.40 15	2.10 15	3.20 14	5.80 13	11.00 15	9.40 8	14.00 4
1969	0.22 11	0.29 11	0.33 10	0.46 8	0.53 5	0.76 4	2.30 3	9.20 7	20.00 11
1970	0.10 9	0.10 7	0.19 7	0.57 10	1.10 6	5.70 11	6.30 9	9.70 9	14.00 5
1971	2.60 23	3.10 23	4.00 22	5.40 23	6.70 24	12.00 23	18.00 22	24.00 22	40.00 17
1972	2.30 21	2.70 21	3.60 21	4.10 21	5.90 22	8.50 18	11.00 16	11.00 10	26.00 14
1973	1.00 17	1.19 16	1.40 16	2.40 16	5.70 21	10.00 21	16.00 20	17.00 16	35.00 16
1974	1.19 18	1.50 18	1.80 17	3.50 19	3.70 15	20.00 24	20.00 23	28.00 23	118.00 27
1975	4.20 27	4.90 27	6.20 27	7.90 27	12.00 25	25.00 26	39.00 25	44.00 25	73.00 24
1976	0.60 14	0.70 13	0.91 13	1.30 13	2.90 13	7.00 16	10.00 12	18.00 18	47.00 19
1977	2.50 22	3.10 22	4.30 23	4.90 22	5.20 19	7.60 17	12.00 17	18.00 19	16.00 6
1978	4.60 28	5.40 28	5.70 26	7.00 25	13.00 26	47.00 28	48.00 26	55.00 26	71.00 23
1979	10.00 30	11.00 30	13.00 30	16.00 30	23.00 29	33.00 27	117.00 29	198.00 30	180.00 29
1980	7.30 29	7.90 29	9.30 29	14.00 29	32.00 30	144.00 30	130.00 30	162.00 29	203.00 30
1981	3.00 25	4.00 25	5.00 24	5.90 24	6.40 23	9.10 19	15.00 19	19.00 20	19.00 10
1982	1.90 20	2.50 20	3.40 20	4.00 20	5.20 20	5.80 12	11.00 13	12.00 13	23.00 13
1983	3.70 26	4.60 26	5.00 25	7.90 26	13.00 27	24.00 25	56.00 27	57.00 27	81.00 25
1984	1.00 15	1.00 14	1.10 14	1.40 14	2.60 12	3.50 7	4.00 4	7.80 6	51.00 22
1985	1.50 19	1.60 19	2.40 19	2.50 17	4.20 16	6.90 15	8.80 10	11.00 11	30.00 15

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	4350.00 20	2860.00 23	2110.00 15	1520.00 13	1200.00 8	764.00 13	605.00 13	502.00 16	358.00 24
1956	4150.00 22	3020.00 21	2040.00 16	1700.00 10	1370.00 5	909.00 6	672.00 8	540.00 11	374.00 19
1957	7800.00 7	5500.00 7	3060.00 8	1600.00 11	888.00 17	817.00 10	630.00 11	564.00 7	433.00 11
1958	4680.00 17	3280.00 19	1810.00 22	1280.00 19	896.00 16	708.00 17	581.00 16	461.00 20	435.00 10
1959	13500.00 4	8410.00 4	4010.00 4	2230.00 5	1370.00 6	908.00 7	685.00 7	545.00 9	401.00 15
1960	13600.00 3	8780.00 3	4000.00 5	2570.00 2	1610.00 2	821.00 9	563.00 18	518.00 12	455.00 8
1961	13900.00 2	10200.00 2	5100.00 2	2500.00 3	1590.00 3	994.00 4	973.00 1	758.00 2	526.00 4
1962	7000.00 8	5430.00 8	3160.00 7	1740.00 8	1100.00 11	796.00 11	638.00 10	540.00 10	391.00 16
1963	4640.00 18	2890.00 22	1570.00 25	1360.00 17	969.00 13	533.00 24	374.00 29	297.00 29	206.00 29
1964	15100.00 1	10700.00 1	8010.00 1	4480.00 1	2330.00 1	1280.00 1	876.00 3	678.00 3	459.00 6
1965	2500.00 30	1740.00 30	1260.00 29	698.00 30	672.00 28	456.00 29	400.00 28	344.00 28	249.00 28
1966	6000.00 10	3910.00 13	2370.00 12	1270.00 20	885.00 18	621.00 19	610.00 12	552.00 8	407.00 13
1967	2970.00 29	2150.00 28	1440.00 27	1060.00 25	657.00 29	512.00 27	453.00 25	378.00 27	313.00 26
1968	3550.00 26	2630.00 25	1710.00 23	1220.00 21	824.00 21	523.00 26	528.00 20	418.00 23	363.00 23
1969	4280.00 21	3780.00 16	1990.00 18	1310.00 18	814.00 22	501.00 28	407.00 27	384.00 26	305.00 27
1970	6610.00 9	4750.00 9	2320.00 13	1470.00 14	1120.00 10	854.00 8	695.00 6	571.00 6	405.00 14

## 03294000 SILVER CREEK NEAR SELLERSBURG, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	5860.00	11	4070.00	11	2320.00	14	1390.00	16	925.00	15	580.00	22	505.00	22	415.00	24	337.00	25
1972	4040.00	24	3290.00	18	2660.00	9	1830.00	6	1150.00	9	782.00	12	652.00	9	514.00	13	370.00	21
1973	4380.00	19	2440.00	26	1520.00	26	1000.00	26	810.00	23	756.00	14	573.00	17	494.00	18	464.00	5
1974	3340.00	27	2250.00	27	1360.00	28	876.00	28	734.00	27	531.00	25	534.00	19	461.00	21	363.00	22
1975	10100.00	5	6770.00	6	3290.00	6	1760.00	7	1240.00	7	1070.00	2	913.00	2	824.00	1	632.00	1
1976	4050.00	23	2830.00	24	1610.00	24	932.00	27	780.00	25	645.00	18	504.00	23	412.00	25	373.00	20
1977	3300.00	28	1990.00	29	1010.00	30	828.00	29	603.00	30	438.00	30	348.00	30	268.00	30	200.00	30
1978	4840.00	16	3870.00	14	2520.00	11	1440.00	15	860.00	19	582.00	21	487.00	24	514.00	14	458.00	7
1979	5780.00	12	4220.00	10	2640.00	10	1710.00	9	1080.00	12	931.00	5	727.00	4	678.00	4	629.00	2
1980	3770.00	25	3040.00	20	2020.00	17	1090.00	24	805.00	24	609.00	20	513.00	21	427.00	22	427.00	12
1981	1780.00	31	1100.00	31	613.00	31	462.00	31	354.00	31	303.00	31	249.00	31	226.00	31	166.00	31
1982	5780.00	13	4050.00	12	1960.00	19	1560.00	12	961.00	14	718.00	16	599.00	15	499.00	17	375.00	17
1983	9140.00	6	7540.00	5	4550.00	3	2310.00	4	1520.00	4	995.00	3	704.00	5	600.00	5	584.00	3
1984	5170.00	15	3760.00	17	1930.00	20	1160.00	22	839.00	20	756.00	15	603.00	14	503.00	15	439.00	9
1985	5750.00	14	3820.00	15	1900.00	21	1120.00	23	751.00	26	576.00	23	439.00	26	492.00	19	375.00	18

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	217.00	16
1957	100.00	1
1958	334.00	27
1959	289.00	24
1960	142.00	7
1961	258.00	18
1962	344.00	28
1963	123.00	3
1964	215.00	15
1965	131.00	5
1966	177.00	10
1967	188.00	11
1968	164.00	9
1969	196.00	12
1970	137.00	6
1971	282.00	22
1972	123.00	4
1973	284.00	23
1974	266.00	21
1975	307.00	25
1976	260.00	19
1977	152.00	8
1978	248.00	17
1979	360.00	29
1980	365.00	30
1981	103.00	2
1982	213.00	14
1983	206.00	13
1984	314.00	26
1985	261.00	20

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	191.00	24
1956	208.00	20
1957	225.00	13
1958	278.00	6
1959	212.00	18
1960	263.00	9
1961	272.00	7
1962	208.00	21
1963	113.00	29
1964	231.00	11
1965	145.00	28
1966	215.00	15
1967	166.00	26
1968	195.00	22
1969	165.00	27
1970	211.00	19
1971	188.00	25
1972	192.00	23
1973	299.00	5
1974	213.00	16
1975	346.00	2
1976	230.00	12
1977	112.00	30
1978	331.00	3
1979	404.00	1
1980	272.00	8
1981	93.00	31
1982	212.00	17
1983	311.00	4
1984	243.00	10
1985	220.00	14

## 03294000 SILVER CREEK NEAR SELLERSBURG, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	14.70	8.64	105.00	137.00	873.00	684.00	288.00	100.00	40.30	86.60	2.73	5.88
1956	70.90	163.00	37.40	120.00	1323.0	422.00	206.00	128.00	65.40	6.99	7.26	6.30
1957	6.05	1.44	18.60	146.00	482.00	159.00	805.00	806.00	230.00	48.10	27.00	0.24
1958	3.04	498.00	860.00	270.00	145.00	301.00	362.00	275.00	52.60	274.00	174.00	99.10
1959	28.80	75.90	157.00	1150.0	516.00	306.00	144.00	145.00	18.90	2.75	12.80	2.28
1960	11.80	53.70	263.00	285.00	443.00	328.00	122.00	43.90	1337.0	283.00	10.90	3.46
1961	5.81	14.50	12.80	53.20	355.00	882.00	477.00	1252.0	56.00	122.00	20.80	7.06
1962	8.85	75.70	239.00	569.00	839.00	490.00	141.00	63.00	41.60	31.10	2.31	37.10
1963	30.80	20.80	26.40	66.90	45.00	951.00	85.20	45.00	9.00	36.60	18.70	7.05
1964	0.31	0.61	0.60	36.60	49.00	2252.0	231.00	42.40	110.00	14.20	2.32	1.03
1965	0.21	3.43	106.00	186.00	526.00	378.00	299.00	32.40	21.50	18.20	1.86	201.00
1966	60.80	17.80	17.00	532.00	720.00	255.00	628.00	336.00	11.30	18.60	19.40	4.57
1967	6.42	56.70	323.00	82.40	131.00	632.00	165.00	526.00	23.90	5.45	20.70	6.39
1968	6.18	32.40	355.00	152.00	154.00	508.00	492.00	506.00	72.00	23.00	27.80	5.24
1969	0.54	17.60	207.00	636.00	240.00	127.00	433.00	188.00	91.60	13.10	19.00	9.92
1970	1.51	11.80	39.90	57.80	215.00	566.00	1117.0	326.00	162.00	7.42	30.40	15.40
1971	52.70	84.50	248.00	243.00	949.00	216.00	97.90	286.00	35.10	36.50	52.00	15.90
1972	10.80	6.62	65.80	128.00	305.00	442.00	983.00	312.00	9.46	15.80	36.40	7.02
1973	14.40	282.00	531.00	265.00	209.00	744.00	737.00	176.00	243.00	316.00	34.80	26.20
1974	25.30	159.00	168.00	572.00	199.00	537.00	425.00	178.00	167.00	14.30	62.80	49.50
1975	71.90	141.00	253.00	559.00	667.00	1113.0	912.00	299.00	126.00	10.20	8.38	12.60
1976	70.80	57.50	329.00	645.00	526.00	141.00	72.30	116.00	708.00	91.00	18.70	7.32
1977	26.30	25.30	13.60	5.43	173.00	581.00	169.00	135.00	61.30	62.60	73.00	19.00
1978	143.00	322.00	701.00	343.00	87.90	832.00	207.00	382.00	75.50	230.00	514.00	89.40
1979	39.30	330.00	862.00	534.00	763.00	311.00	940.00	131.00	250.00	227.00	113.00	390.00
1980	111.00	805.00	408.00	309.00	175.00	540.00	328.00	343.00	82.70	127.00	28.60	6.65
1981	15.00	35.60	19.30	9.73	128.00	112.00	323.00	263.00	143.00	38.40	15.40	18.60
1982	6.60	7.74	110.00	685.00	473.00	488.00	309.00	129.00	143.00	30.60	28.20	148.00
1983	35.90	308.00	723.00	271.00	236.00	114.00	578.00	1369.0	63.00	7.19	4.86	3.04
1984	111.00	308.00	319.00	131.00	205.00	652.00	694.00	433.00	22.30	20.50	11.20	5.82
1985	12.80	156.00	599.00	230.00	456.00	504.00	283.00	54.70	272.00	50.80	29.30	7.28

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

6.18	14.50	37.40	120.00	173.00	301.00
------	-------	-------	--------	--------	--------

## FIFTIETH PERCENTILE

14.70	56.70	207.00	243.00	305.00	490.00
-------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

52.70	163.00	355.00	534.00	526.00	652.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

169.00	116.00	35.10	14.20	10.90	5.82
--------	--------	-------	-------	-------	------

## FIFTIETH PERCENTILE

323.00	188.00	72.00	31.10	20.69	7.28
--------	--------	-------	-------	-------	------

## SEVENTY FIFTH PERCENTILE

628.00	343.00	162.00	91.00	34.80	26.20
--------	--------	--------	-------	-------	-------

## 03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN

LOCATION.--Lat 38°07'13", long 86°05'16", in SE¼NE¼ sec.32, T.4 S., R.4 E., Harrison County, Hydrologic Unit 05140104, at downstream end of pier of bridge on State Highway 337, 0.6 mi downstream from South Fork Buck Creek, 3.6 mi southwest of New Middletown, and 14.4 mi upstream from mouth.

DRAINAGE AREA.--65.2 mi<sup>2</sup>, of which 28.1 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 501.63 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--16 years, 81.8 ft<sup>3</sup>/s, 17.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,700 ft<sup>3</sup>/s Apr. 2, 1970, gage height, 14.40 ft; minimum daily, 0.90 ft<sup>3</sup>/s Sept. 13, 1972, and Sept. 29, 1985.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1970				3	6	20	14	17	23	21	23	14	23	17	14	19	25	24	18	18	18	14	9	8	3	3	2	4		2	1	1		1	
1971						4	11	20	11	12	7	24	31	28	32	27	32	25	18	23	15	7	14	10	4	6	1	1		1				1	
1972		4	8	7	3	12	21	37	21	14	14	12	15	8	19	12	22	28	24	18	16	11	6	8	6	2	6	3	3	3	1	2			
1973						3	28	13	11	14	11	10	7	17	21	15	21	36	32	37	28	22	20	7	7	3	2								
1974			1	5	6	7	12	19	10	9	11	17	13	34	28	31	23	34	15	17	24	14	12	8	4	1	5	3	2						
1975			8	14	19	13	11	10	7	9	12	18	19	11	14	18	26	36	26	20	23	15	8	10	4	4	1	3	1	1	1	1	1	2	
1976		6	12	7	9	9	7	17	20	22	35	17	19	21	32	28	19	17	14	15	10	7	9	5	4	3				1	1				
1977		2	4	13	31	26	28	32	42	21	16	16	18	11	17	17	11	19	14	6	8	3	5	2	1	1					1				
1978			5	3	6	11	9	17	11	13	12	13	22	31	26	31	24	22	26	18	19	14	9	8	3	4	3	2	1	1	1				
1979				7	18	13	10	9	14	17	22	15	10	26	31	25	20	12	25	22	11	15	10	8	6	1	6	3	3	3	4	1	1		
1980			1	14	11	6	7	5	10	9	12	14	19	32	33	24	40	39	19	18	14	8	13	7		5	3	2	1						
1981						1	18	35	43	42	34	23	21	24	31	24	17	20	10	7	8	1	3	2		1									
1982						12	34	27	32	35	28	18	19	11	22	22	18	17	17	14	10	6	9	4	4		2	2	1		1				
1983			1	7	4	7	25	29	19	18	3	12	8	13	23	23	30	21	31	18	11	9	10	10	9	5	6	2	4	3		1		2	1
1984		1	2			3	6	10	29	29	19	27	13	13	19	31	29	20	21	18	20	16	12	7	7	5	3	4	1		1				
1985		10	10	6	7	5	9	15	10	14	6	23	28	35	17	20	18	12	17	29	23	15	12	10	3	2	4	2	2			1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	14.0	279	3906	66.84	24	270.0	101	325	5.56
1	0.90	15	5844	100.00	13	18.0	289	3627	62.06	25	350.0	56	224	3.83
2	1.2	29	5829	99.74	14	23.0	322	3338	57.12	26	450.0	55	168	2.87
3	1.5	54	5800	99.25	15	29.0	387	3016	51.61	27	570.0	33	113	1.93
4	1.9	76	5746	98.32	16	37.0	392	2629	44.99	28	730.0	29	80	1.37
5	2.4	136	5670	97.02	17	48.0	361	2237	38.28	29	940.0	18	51	0.87
6	3.1	185	5534	94.70	18	61.0	396	1876	32.10	30	1200.0	11	33	0.56
7	4.0	286	5349	91.53	19	79.0	304	1480	25.33	31	1500.0	12	22	0.38
8	5.1	307	5063	86.64	20	100.0	288	1176	20.12	32	2000.0	2	10	0.17
9	6.6	302	4756	81.38	21	130.0	246	888	15.20	33	2500.0	7	8	0.14
10	8.4	265	4454	76.21	22	170.0	157	642	10.99	34	3300.0	1	1	0.02
11	11.0	283	4189	71.68	23	210.0	160	485	8.30					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.0  
P90 = 4.3  
P75 = 9.1  
P70 = 12.0  
P50 = 30.9  
P25 = 80.3  
P10 = 185.0

## 03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	2.40 10	2.50 10	2.70 9	3.00 8	6.00 12	15.00 12	13.00 12	20.00 13	34.00 12
1972	2.60 11	3.00 11	3.60 12	3.90 9	5.40 10	7.20 9	9.80 10	10.00 8	23.00 9
1973	0.90 1	1.10 1	1.30 1	1.40 1	3.00 4	6.40 6	6.60 5	8.70 5	20.00 7
1974	2.30 9	2.30 9	2.40 7	2.80 7	4.50 8	6.90 8	6.70 6	11.00 9	35.00 13
1975	1.80 7	2.10 7	3.20 10	4.10 11	7.30 14	21.00 14	32.00 14	36.00 14	42.00 14
1976	1.19 3	1.30 3	1.50 3	1.90 4	2.60 2	4.20 2	4.40 1	6.40 1	13.00 4
1977	1.19 4	1.40 4	1.60 4	1.80 3	2.50 1	3.40 1	4.70 2	8.20 2	6.70 1
1978	2.00 8	2.10 8	2.40 8	4.10 12	5.90 11	15.00 13	13.00 11	17.00 12	25.00 10
1979	1.60 5	1.80 5	1.80 5	2.40 6	3.50 5	4.50 3	6.50 4	9.20 7	15.00 5
1980	4.60 15	5.00 15	5.30 15	8.40 15	13.00 15	31.00 15	33.00 15	90.00 15	104.00 15
1981	1.80 6	2.00 6	2.20 6	2.30 5	3.60 6	5.10 5	7.90 7	8.40 4	11.00 2
1982	3.70 13	3.80 13	4.00 13	4.20 13	4.50 9	6.60 7	7.90 8	8.30 3	11.00 3
1983	2.90 12	3.10 12	3.30 11	4.00 10	4.20 7	8.60 11	14.00 13	13.00 10	16.00 6
1984	1.10 2	1.19 2	1.40 2	1.70 2	2.80 3	4.80 4	6.40 3	8.90 6	22.00 8
1985	4.40 14	4.80 14	5.10 14	6.00 14	6.80 13	8.30 10	9.40 9	13.00 11	28.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	3000.00 3	1550.00 4	812.00 5	459.00 5	412.00 4	283.00 5	232.00 5	194.00 5	148.00 5
1971	2980.00 4	1280.00 5	723.00 6	456.00 6	306.00 6	209.00 7	199.00 6	169.00 6	137.00 9
1972	1970.00 7	1280.00 6	1030.00 2	661.00 3	416.00 3	338.00 2	275.00 3	218.00 4	167.00 4
1973	640.00 15	458.00 15	350.00 14	246.00 14	215.00 13	198.00 9	174.00 10	150.00 10	141.00 8
1974	1160.00 13	888.00 10	589.00 8	315.00 10	257.00 9	179.00 12	182.00 7	167.00 7	143.00 6
1975	2610.00 5	1770.00 2	893.00 4	497.00 4	381.00 5	318.00 4	280.00 2	259.00 1	202.00 2
1976	1430.00 10	684.00 13	403.00 13	225.00 15	191.00 14	165.00 14	136.00 14	112.00 14	92.00 14
1977	1300.00 12	618.00 14	337.00 15	247.00 13	168.00 15	128.00 15	104.00 15	80.00 15	58.00 15
1978	1590.00 9	994.00 9	620.00 7	375.00 9	254.00 10	176.00 13	159.00 11	149.00 11	143.00 7
1979	3050.00 2	1700.00 3	926.00 3	695.00 2	434.00 2	330.00 3	252.00 4	225.00 3	196.00 3
1980	992.00 14	772.00 12	508.00 11	277.00 11	228.00 12	180.00 10	145.00 13	122.00 13	123.00 11
1981	534.00 16	349.00 16	215.00 16	156.00 16	125.00 16	77.00 16	71.00 16	67.00 16	53.00 16
1982	1980.00 6	1050.00 7	542.00 10	383.00 8	259.00 8	209.00 8	182.00 8	155.00 8	110.00 13
1983	3970.00 1	2770.00 1	1800.00 1	1040.00 1	687.00 1	425.00 1	300.00 1	241.00 2	210.00 1
1984	1400.00 11	787.00 11	442.00 12	272.00 12	249.00 11	222.00 6	182.00 9	146.00 12	127.00 10
1985	1780.00 8	1020.00 8	585.00 9	394.00 7	267.00 7	180.00 11	157.00 12	152.00 9	122.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	116.00 14
1972	68.00 5
1973	96.00 10
1974	100.00 11
1975	111.00 12
1976	71.00 6
1977	37.00 2
1978	77.00 7
1979	91.00 8
1980	137.00 15
1981	33.00 1
1982	66.00 4
1983	58.00 3
1984	112.00 13
1985	94.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	81.00 9
1971	88.00 6
1972	88.00 7
1973	92.00 4
1974	89.00 5
1975	111.00 3
1976	58.00 14
1977	35.00 15
1978	87.00 8
1979	146.00 1
1980	77.00 10
1981	33.00 16
1982	62.00 13
1983	117.00 2
1984	75.00 11
1985	71.00 12



03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	3.30	14.60	31.30	47.20	107.00	150.00	412.00	88.20	84.20	10.80	21.40	14.30
1971	71.80	45.20	140.00	102.00	304.00	121.00	46.90	110.00	31.40	63.30	13.30	16.20
1972	8.25	7.38	52.50	88.90	122.00	249.00	370.00	122.00	11.70	9.96	6.86	12.20
1973	12.70	107.00	166.00	80.40	78.20	171.00	213.00	126.00	75.10	57.40	11.00	5.24
1974	8.54	151.00	86.80	201.00	66.60	191.00	135.00	44.90	55.30	14.80	49.70	59.70
1975	45.40	67.30	111.00	195.00	221.00	342.00	266.00	55.90	20.10	4.59	6.25	3.82
1976	25.40	24.60	94.20	168.00	140.00	45.20	31.40	16.30	132.00	18.70	5.82	3.64
1977	14.40	9.65	6.01	2.64	46.10	155.00	83.90	32.00	16.70	14.00	28.40	12.80
1978	56.80	115.00	208.00	98.20	28.90	223.00	82.60	161.00	27.90	12.00	15.20	5.41
1979	5.95	52.30	222.00	170.00	215.00	122.00	392.00	28.60	50.70	219.00	66.10	217.00
1980	44.20	228.00	130.00	72.20	55.00	147.00	109.00	68.40	21.00	34.60	7.59	3.89
1981	13.50	12.30	18.80	10.60	53.50	44.60	64.20	81.50	61.30	16.80	8.65	10.00
1982	7.03	8.88	36.50	198.00	134.00	164.00	110.00	18.30	26.30	12.30	6.93	23.60
1983	15.80	83.10	195.00	81.10	84.30	40.40	252.00	558.00	62.80	12.40	7.36	3.38
1984	17.30	76.70	99.10	33.10	38.10	180.00	196.00	162.00	13.20	61.80	9.54	9.29
1985	11.40	89.60	206.00	103.00	142.00	129.00	64.30	24.30	41.00	34.80	3.79	1.46

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
8.32	12.90	40.50	53.40	53.90	121.00
FIFTIETH PERCENTILE					
14.00	59.80	105.00	93.50	95.60	153.00
SEVENTY FIFTH PERCENTILE					
39.50	103.00	188.00	170.00	142.00	188.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
68.90	29.40	20.30	12.10	6.88	3.84
FIFTIETH PERCENTILE					
123.00	74.90	36.20	15.80	9.09	9.64
SEVENTY FIFTH PERCENTILE					
263.00	125.00	62.40	51.70	19.80	15.70

## 03302300 LITTLE INDIAN CREEK NEAR GALENA, IN

LOCATION.--Lat 38°19'19", long 85°55'53", in NE¼SW¼ sec.23, T.2 S., R.5 E., Floyd County, Hydrologic Unit 05140104, on right bank at downstream side of county road bridge, 2 mi south of Galena, 3.6 mi upstream from mouth, and 7.0 mi northwest of New Albany.

DRAINAGE AREA.--16.1 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 703.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 24.1 ft<sup>3</sup>/s, 20.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft<sup>3</sup>/s July 21, 1973, gage height, 9.30 ft; from rating curve extended above 3,100 ft<sup>3</sup>/s on basis of contracted-opening measurement at 7.34 ft; no flow for many days in 1969, 1975, 1976, 1983, 1984, and 1985.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969	12		3	12	10	7	18	11	6	7	12	11	9	9	7	19	20	19	33	31	38	18	18	10	10	2	5	3	3	1	1					
1970	24				2		1		6	3	10	15	21	21	19	24	33	27	22	22	30	23	18	19	8	2	5	3	2	2	2	1				
1971						2	5	4	6	9	11	14	20	14	15	18	21	35	38	30	36	23	23	11	11	3	10	1	4					1		
1972				1	4	3	17	16	18	37	30	26	12	5	7	19	24	22	22	25	20	14	8	12	3	6	3	5	4	2	1					
1973					3	7	3	11	9	10	13	10	8	7	11	17	19	11	27	34	39	44	36	20	7	9	2	4		4						
1974					3	2	2	2	6	22	12	16	16	10	11	21	16	28	32	26	36	22	24	19	9	9	10	7	4							
1975	33					8	2	5	13	8	10	7	8	9	17	16	11	14	16	42	42	33	24	20	7	7	3	2	1	5	1	1				
1976	7							7	11	12	14	8	15	28	29	30	31	39	31	33	16	15	12	7	6	5	3	1	3	2		1				
1977									1	35	22	14	21	37	57	21	26	26	23	24	17	16	10	6	3	1	1	1	1	2						
1978												2	4	9	10	9	22	25	30	44	54	31	33	34	21	13	9	3	6	3	1	1	1	1		
1979										4	16	17	19	18	22	13	18	17	29	37	45	34	19	18	9	10	3	3	5	3	4	2				
1980						14	13	7	2	5	7	10	5	6	14	43	34	23	60	44	28	17	9	9	5	5	3	2	1							
1981					4	9	3		15	17	26	26	25	41	21	16	14	22	29	18	28	21	13	8	3	3	2	1								
1982					1		2	1	7	15	32	20	13	23	34	20	20	22	24	37	35	21	14	9	3	7	1		2	1	1					
1983	11	2	4	8	22	5	1	7	2	6	11	7	18	16	16	9	10	13	20	20	44	34	27	14	13	3	8	6	2	2	3		1			
1984	4			6		5	10	3	5	5	19	19	28	12	14	16	13	13	21	44	34	36	20	15	5	8	5	5		1						
1985	11		1	7	1	8	3	3	12	10	10	8	12	18	20	27	24	20	23	19	30	37	22	13	11	5	1	5	1	1	1	1			1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	102	6209	100.00	12	0.72	253	5115	82.38	24	51.0	202	576	9.28
1	0.01	2	6107	98.36	13	1.0	272	4862	78.31	25	73.0	92	374	6.02
2	0.02	8	6105	98.32	14	1.5	263	4590	73.92	26	100.0	108	282	4.54
3	0.03	33	6097	98.20	15	2.1	340	4327	69.69	27	150.0	55	174	2.80
4	0.04	43	6064	97.66	16	3.0	326	3987	64.21	28	210.0	46	119	1.92
5	0.06	46	6021	96.97	17	4.2	394	3661	58.96	29	300.0	27	73	1.18
6	0.09	51	5975	96.23	18	6.1	425	3267	52.62	30	430.0	29	46	0.74
7	0.12	75	5924	95.41	19	8.6	426	2842	45.77	31	620.0	9	17	0.27
8	0.17	109	5849	94.20	20	12.0	632	2416	38.91	32	880.0	8	8	0.13
9	0.25	145	5740	92.45	21	18.0	501	1784	28.73	33	1300.0	0	0	0.00
10	0.35	220	5595	90.11	22	25.0	419	1283	20.66	34				
11	0.50	260	5375	86.57	23	36.0	288	864	13.92					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.14  
P90 = 0.35  
P75 = 1.4  
P70 = 2.1  
P50 = 7.1  
P25 = 21.2  
P10 = 48.7

## 03302300 LITTLE INDIAN CREEK NEAR GALENA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	0.00 1	0.00 1	0.00 1	0.00 1	0.03 2	0.14 2	0.32 3	0.78 3	1.90 3
1971	0.42 13	0.44 13	0.66 14	0.76 14	1.80 14	3.90 14	5.90 13	5.50 12	7.80 11
1972	0.08 10	0.08 9	0.12 9	0.20 8	0.34 6	0.40 5	0.63 6	0.67 1	1.40 2
1973	0.05 5	0.06 7	0.08 6	0.23 10	0.39 7	1.30 10	1.90 10	3.20 11	5.00 8
1974	0.06 8	0.06 8	0.08 7	0.13 5	0.22 5	0.42 6	0.52 4	2.40 9	13.00 15
1975	0.05 6	0.05 5	0.07 5	0.13 6	0.92 12	1.90 13	5.40 12	7.10 13	8.40 12
1976	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.11 1	0.24 2	0.92 5	3.90 6
1977	0.17 11	0.18 11	0.20 11	0.30 11	0.40 9	0.84 8	1.30 7	2.30 8	2.00 4
1978	0.56 15	0.65 16	0.96 16	1.19 16	2.00 15	6.90 15	9.70 15	11.00 14	13.00 13
1979	0.61 16	0.64 15	0.69 15	1.00 15	1.00 13	1.40 11	6.80 14	12.00 15	13.00 14
1980	0.49 14	0.49 14	0.52 13	0.68 13	2.30 16	13.00 16	12.00 16	24.00 16	28.00 16
1981	0.05 7	0.05 6	0.06 4	0.07 4	0.13 4	0.36 4	0.58 5	0.91 4	1.10 1
1982	0.17 12	0.18 12	0.18 10	0.22 9	0.68 11	0.77 7	1.60 8	1.70 6	3.10 5
1983	0.07 9	0.12 10	0.32 12	0.36 12	0.47 10	1.60 12	2.90 11	2.50 10	5.40 10
1984	0.00 3	0.00 3	0.00 3	0.00 3	0.06 3	0.15 3	0.19 1	0.68 2	4.30 7
1985	0.03 4	0.03 4	0.11 8	0.18 7	0.39 8	1.00 9	1.60 9	2.10 7	5.30 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	487.00 14	366.00 10	191.00 10	127.00 9	79.00 10	47.00 15	40.00 15	37.00 14	30.00 15
1970	750.00 8	380.00 9	279.00 5	149.00 6	120.00 3	88.00 5	68.00 4	55.00 5	39.00 8
1971	1110.00 3	452.00 8	253.00 7	147.00 7	91.00 7	60.00 10	52.00 11	44.00 12	36.00 13
1972	735.00 9	524.00 3	317.00 2	208.00 1	139.00 1	96.00 3	82.00 2	65.00 3	46.00 5
1973	610.00 11	353.00 11	167.00 12	94.00 14	73.00 13	69.00 7	53.00 10	47.00 10	45.00 6
1974	252.00 16	165.00 16	120.00 16	89.00 16	71.00 14	50.00 14	54.00 9	47.00 11	37.00 10
1975	1270.00 1	641.00 1	305.00 3	166.00 4	120.00 4	104.00 2	87.00 1	81.00 1	63.00 2
1976	936.00 5	460.00 6	240.00 8	116.00 10	86.00 9	59.00 11	47.00 13	37.00 13	37.00 11
1977	494.00 13	283.00 14	136.00 15	107.00 11	65.00 16	44.00 16	34.00 16	28.00 16	23.00 16
1978	895.00 6	461.00 5	262.00 6	149.00 5	103.00 6	68.00 8	57.00 7	58.00 4	52.00 3
1979	893.00 7	457.00 7	300.00 4	208.00 2	118.00 5	105.00 1	80.00 3	73.00 2	64.00 1
1980	477.00 15	300.00 13	179.00 11	95.00 13	71.00 15	53.00 13	43.00 14	36.00 15	37.00 12
1981	207.00 17	114.00 17	61.00 17	48.00 17	33.00 17	30.00 17	24.00 17	22.00 17	16.00 17
1982	718.00 10	274.00 15	159.00 13	107.00 12	75.00 12	63.00 9	55.00 8	48.00 9	35.00 14
1983	1000.00 4	567.00 2	347.00 1	202.00 3	137.00 2	88.00 4	64.00 5	52.00 6	51.00 4
1984	589.00 12	303.00 12	154.00 14	93.00 15	76.00 11	70.00 6	58.00 6	49.00 8	43.00 7
1985	1260.00 2	506.00 4	238.00 9	145.00 8	90.00 8	55.00 12	49.00 12	50.00 7	38.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	14.00 2
1971	30.00 11
1972	14.00 3
1973	31.00 12
1974	27.00 8
1975	32.00 13
1976	23.00 7
1977	16.00 4
1978	32.00 14
1979	35.00 15
1980	38.00 16
1981	9.70 1
1982	21.00 6
1983	17.00 5
1984	29.00 10
1985	28.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	16.00 15
1970	22.00 9
1971	20.00 13
1972	24.00 7
1973	30.00 4
1974	22.00 10
1975	34.00 3
1976	22.00 11
1977	14.00 16
1978	37.00 2
1979	45.00 1
1980	24.00 8
1981	8.80 17
1982	20.00 14
1983	27.00 5
1984	24.00 6
1985	21.00 12

## INDIAN CREEK BASIN

03302300 LITTLE INDIAN CREEK NEAR GALENA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	0.07	1.53	15.20	64.30	20.50	17.30	38.60	19.10	15.90	2.58	1.91	0.21
1970	0.07	2.08	5.70	7.50	25.70	54.50	120.00	17.90	9.90	2.97	12.90	2.69
1971	12.70	11.70	24.30	30.00	91.60	26.50	12.90	29.70	2.32	2.66	1.80	1.16
1972	0.44	0.47	6.37	14.40	47.50	52.40	109.00	48.20	0.67	3.43	7.97	1.53
1973	1.19	26.20	58.50	28.10	22.70	64.80	70.50	16.50	16.50	48.10	4.14	0.25
1974	0.69	20.50	21.90	63.80	18.10	45.40	45.50	12.10	6.12	1.19	16.20	10.50
1975	5.76	18.50	33.50	63.50	58.40	112.00	85.00	20.30	14.30	0.59	0.38	0.01
1976	4.89	6.65	36.70	54.50	44.40	10.90	7.78	34.50	55.50	4.39	1.58	1.19
1977	4.08	2.93	2.09	0.46	11.10	63.50	19.80	8.74	17.20	9.31	17.80	4.62
1978	42.20	50.20	76.30	36.90	11.50	87.40	27.90	42.60	15.50	13.80	30.50	4.48
1979	1.62	20.90	80.20	56.20	90.60	33.00	105.00	6.34	23.80	50.70	14.90	62.10
1980	9.72	70.60	34.90	21.70	15.70	46.40	32.90	25.60	6.56	21.20	1.50	0.90
1981	0.45	1.29	1.80	0.93	11.80	11.70	31.40	26.00	11.80	3.67	1.58	3.45
1982	0.97	2.19	17.30	61.00	30.40	59.20	32.90	7.80	15.40	2.69	1.31	5.55
1983	1.73	24.90	66.70	18.50	19.00	12.70	56.90	116.00	7.32	0.87	0.23	0.09
1984	7.07	32.50	31.40	12.10	19.30	62.20	61.30	48.70	2.14	9.18	3.08	0.98
1985	2.01	19.50	74.80	23.90	43.50	50.40	17.50	2.92	4.24	7.61	0.56	0.15

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.57	2.13	10.80	13.30	16.89	21.90
------	------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

1.73	18.50	31.40	28.10	22.69	50.40
------	-------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

6.41	25.50	62.60	58.60	45.90	62.80
------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

23.80	10.40	5.18	2.62	1.40	0.23
-------	-------	------	------	------	------

## FIFTIETH PERCENTILE

38.60	20.30	11.80	3.67	1.91	1.19
-------	-------	-------	------	------	------

## SEVENTY FIFTH PERCENTILE

77.70	38.50	16.19	11.60	13.90	4.55
-------	-------	-------	-------	-------	------

## 03302500 INDIAN CREEK NEAR CORYDON, IN

LOCATION.--Lat 38°16'35", long 86°06'35", in SW¼SE¼ sec.6, T.3 S., R.4 E., Harrison County, Hydrologic Unit 05140104, on upstream side of bridge on State Highway 335, 0.6 mi upstream from Raccoon Branch, 4.5 mi north of Corydon, and at mile 33.7.

DRAINAGE AREA.--129 mi<sup>2</sup>, of which 10.6 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1943 to September 1985. Prior to October 1961, published as Big Indian Creek near Corydon.

GAGE.--Water-stage recorder. Datum of gage is 577.12 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 9, 1948, nonrecording gage, and Dec. 9, 1948, to June 12, 1952, recorder records for stages above 6.3 ft at same site and datum.

AVERAGE DISCHARGE.--42 years, 172 ft<sup>3</sup>/s, 18.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,700 ft<sup>3</sup>/s Mar. 5, 1964, gage height, 22.64 ft; no flow at times during 1943-44, 1951-54, 1959, 1965, 1972-73, 1976.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944	16				27		12	21	11	19	14	41	25	18	12	21	10	20	16	10	13	20	14	10	7	4	4	1								
1945								1	3	12	3	13	8	21	43	28	25	9	12	24	25	35	30	22	19	12	10	2	4	3	1					
1946											3	1	21	10	11	10	12	30	35	19	47	49	30	33	21	16	5	7	3	1	1					
1947										17	7	8	23	21	15	23	26	33	31	28	25	22	23	24	13	13	4	6	2	1						
1948					1			12	13	55	15	18	12	15	20	14	32	24	18	22	11	21	18	17	12	6	2	4	2			1	1			
1949							3	13		3	1	13	9	5	14	9	27	24	18	22	40	49	37	21	21	9	9	6	11	1						
1950												1	5	9	38	41	34	20	21	21	42	44	22	22	9	14	10	5	5	2						
1951	31				2		6	4	4	7	6	10	6	10	13	36	19	13	12	17	16	16	30	35	31	18	19	6	3	5	3					
1952	10						2	3	7	13	11	27	20	13	19	12	21	25	10	13	26	37	39	17	10	13	6	8	3			1				
1953	23				6		3	3	3	6	10	14	20	37	20	9	16	16	16	27	30	52	26	9	5	7	2	3	2							
1954	58				14		14	12	8	21	45	13	4	14	16	20	11	15	37	26	18	11	4	2	1					1						
1955								1	4	15	2	18	12	16	40	20	13	20	29	26	37	39	32	14	9				7	2						
1956										6	4	12	11	9	19	44	45	36	16	31	34	30	21	15	13	7	5	4	1	3						
1957								12	3	31	24	15	8	12	19	22	20	16	21	29	43	31	9	9	8	3	2	3	1							
1958								15	1		1	14	3	6	15	29	18	28	24	38	53	60	27	8	9	5	5	5	1							
1959							1	6	7	12	8	20	24	14	8	10	39	17	34	38	28	31	29	18	10	4	3	2			1		1			
1960	5							11	7	6	7	2	5	8	18	26	30	47	23	24	39	24	32	27	9	8	3	2	2			1				
1961									14	3	14	8	16	9	31	30	37	26	17	22	23	14	23	25	15	9	11	12	1	3	1		1			
1962										15	12	38	19	26	13	12	20	24	27	15	18	45	31	21	14	7	3	1	1	3						
1963										3	5	2	1	1	11	34	42	54	55	56	32	17	8	12	10	8	2	2	1	1						
1964						19		5	29	12	20	21	35	8	14	26	25	20	20	22	20	20	20	11	4	6	3	2				1	3			
1965	3					12		10	12	4	15	4	13	31	24	23	10	22	11	11	22	23	43	32	20	9	7	1	2	1						
1966												3	19	8	31	16	17	61	29	30	25	22	45	23	7	8	6	6	6	1	1	1				
1967												1	15	28	42	27	25	20	43	40	30	31	24	15	11	8	4	1								
1968							1	5	2	9	9	18	22	20	14	31	45	34	28	24	32	29	13	13	8	3	4	1	1							
1969					1	1	1	6	8	27	6	2	16	12	15	17	9	15	23	36	51	36	21	25	14	11	3	3	4	1	1					
1970									2	16	16	9	3	11	7	15	34	23	40	24	20	33	38	26	17	12	7	3	5	2	1		1			
1971														12	29	25	20	39	41	47	41	35	34	14	11	7	3	6				1				
1972	24													11	24	42	20	24	17	33	33	36	22	12	13	6	6	3	6			1				
1973	16	5			3	5	1	2	3	3	6	5	4	5	6	6	10	10	19	30	22	27	29	38	28	24	30	12	8	5	2				1	
1974																	3	47	43	45	36	37	44	40	25	22	13	4	5	1						
1975								1	6	8	6	17	12	8	12	15	7	1	20	24	22	26	49	48	39	21	11	3	4	2	1	2				
1976	3				1	1					2	3	7	7	12	15	19	33	37	37	35	50	32	24	19	13	5	4	3	2	1					
1977													1	23	33	23	41	54	43	26	24	34	23	18	8	9	2	2	1							
1978																5	19	19	34	53	55	43	44	41	19	16	6	7	2	1	1					
1979																4	24	26	27	31	42	41	46	36	30	17	14	12	3	6	5	1				
1980													9	18	11	13	13	19	47	37	52	53	35	24	13	10	9	2	1							
1981														23	11	33	58	42	37	26	28	46	26	17	12	2	2	2								
1982														1	8	37	48	21	33	35	29	36	36	17	11	10	4	1	2			1				
1983									1	6	10	10	15	14	21	23	26	10	13	22	32	34	41	30	17	16	8	8	3	3	1	1				
1984							3					1	2	1	23	21	35	28	23	15	18	37	52	40	28	17	8	10	3	1						
1985									1	16	11	3	2	8	13	14	6	21	30	32	53	32	38	32	21	16	6	5	1	3	1					

## 03302500 INDIAN CREEK NEAR CORYDON, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	189	15341	100.00	12	1.6	450	13974	91.09	24	270.0	783	2167	14.13
1	0.01	5	15152	98.77	13	2.5	442	13524	88.16	25	410.0	532	1384	9.02
2	0.02	1	15147	98.74	14	3.8	607	13082	85.27	26	620.0	347	852	5.55
3	0.04	4	15146	98.73	15	5.8	822	12475	81.32	27	950.0	208	505	3.29
4	0.06	12	15142	98.70	16	8.9	910	11653	75.96	28	1400.0	142	297	1.94
5	0.08	84	15130	98.62	17	14.0	1088	10743	70.03	29	2200.0	92	155	1.01
6	0.13	5	15046	98.08	18	21.0	1137	9655	62.94	30	3400.0	38	63	0.41
7	0.20	70	15041	98.04	19	32.0	1136	8518	55.52	31	5200.0	17	25	0.16
8	0.30	179	14971	97.59	20	49.0	1220	7382	48.12	32	7900.0	6	8	0.05
9	0.46	194	14792	96.42	21	74.0	1282	6162	40.17	33	12000.0	2	2	0.01
10	0.70	356	14598	95.16	22	110.0	1478	4880	31.81	34				
11	1.1	268	14242	92.84	23	170.0	1235	3402	22.18					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.73
P90 =	1.9
P75 =	9.7
P70 =	14.0
P50 =	44.7
P25 =	152.0
P10 =	383.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	0.00 1	0.07 10	0.10 9	0.40 12	0.58 11	7.30 23	13.00 24	23.00 26	22.00 19
1946	0.40 18	0.53 19	0.69 20	0.88 23	1.30 23	12.00 30	21.00 31	28.00 28	44.00 27
1947	0.70 22	0.77 23	0.84 24	0.87 22	1.19 19	2.10 14	4.40 15	29.00 29	42.00 25
1948	0.80 25	0.80 24	0.80 22	0.80 20	0.96 16	2.90 16	4.50 16	6.40 10	20.00 16
1949	0.10 12	0.20 13	0.27 12	0.31 9	0.39 7	5.90 21	7.10 20	16.00 23	17.00 14
1950	0.70 23	0.87 26	1.50 26	4.80 32	12.00 36	15.00 34	19.00 29	53.00 36	95.00 35
1951	4.30 34	4.90 34	5.90 35	6.90 35	8.90 34	21.00 35	35.00 36	33.00 32	111.00 36
1952	0.00 2	0.00 1	0.00 1	0.10 6	0.19 4	0.82 5	3.10 10	4.80 8	12.00 7
1953	0.00 3	0.00 2	0.00 2	0.31 10	0.79 14	1.50 9	2.00 5	2.70 4	16.00 10
1954	0.00 4	0.00 3	0.00 3	0.01 3	0.05 2	0.06 1	0.12 1	0.44 1	6.60 1
1955	0.00 5	0.00 4	0.00 4	0.00 1	0.20 5	2.90 17	4.30 14	8.50 14	25.00 20
1956	0.40 19	0.53 20	0.63 19	0.69 19	1.19 20	7.60 25	28.00 33	38.00 33	48.00 29
1957	0.80 26	0.80 25	0.84 23	1.00 24	1.19 21	1.50 10	3.90 13	4.60 6	8.80 4
1958	0.30 15	0.30 15	0.36 13	0.40 13	0.77 13	0.84 6	2.90 7	11.00 17	123.00 38
1959	7.90 37	8.10 37	9.40 38	13.00 38	15.00 37	33.00 38	34.00 35	61.00 37	88.00 34
1960	0.00 6	0.00 5	0.07 8	0.24 8	0.53 10	2.50 15	2.90 8	3.80 5	17.00 11
1961	0.40 20	0.40 16	0.40 16	0.40 14	0.43 8	1.40 7	3.10 9	4.70 7	7.70 2
1962	1.40 29	1.40 28	1.60 27	1.70 26	2.20 24	3.50 18	4.70 17	13.00 18	45.00 28
1963	0.70 24	0.70 21	0.77 21	0.86 21	1.19 22	4.30 19	9.60 22	13.00 19	17.00 12
1964	0.10 13	0.10 11	0.16 10	0.21 7	0.27 6	0.65 3	0.97 2	2.40 3	11.00 5
1965	0.00 7	0.00 6	0.06 7	0.08 4	0.16 3	0.42 2	1.30 3	1.70 2	7.90 3
1966	0.30 16	0.40 17	0.54 18	0.62 18	2.50 25	4.70 20	6.80 19	10.00 15	56.00 31
1967	1.40 30	1.50 29	1.70 29	1.70 27	6.00 29	8.30 26	14.00 25	14.00 22	21.00 17
1968	1.19 27	1.30 27	2.00 30	3.50 30	5.10 27	9.00 27	13.00 23	13.00 20	17.00 13
1969	0.06 11	0.12 12	0.26 11	0.36 11	0.45 9	0.75 4	1.50 4	5.70 9	13.00 8
1970	0.40 17	0.47 18	0.49 17	0.51 16	0.70 12	1.60 11	3.80 12	8.00 13	16.00 9
1971	0.69 21	0.77 22	0.85 25	1.19 25	8.80 33	32.00 37	47.00 37	44.00 35	56.00 32
1972	5.00 35	5.00 35	5.20 34	5.40 33	6.80 30	14.00 33	17.00 28	17.00 24	22.00 18
1973	0.00 8	0.00 7	0.00 5	0.00 2	0.04 1	1.70 12	5.50 18	14.00 21	29.00 22
1974	0.00 9	0.00 8	0.00 6	0.08 5	1.00 17	12.00 31	16.00 27	39.00 34	156.00 40
1975	13.00 41	13.00 41	14.00 40	15.00 39	25.00 41	40.00 39	56.00 38	65.00 38	76.00 33
1976	0.00 10	0.00 9	0.37 14	0.48 15	0.92 15	1.50 8	2.70 6	6.80 11	26.00 21
1977	1.40 28	1.50 30	1.60 28	2.70 28	5.60 28	7.40 24	14.00 26	23.00 25	20.00 15
1978	9.00 39	10.00 39	14.00 41	15.00 40	22.00 39	77.00 40	86.00 40	100.00 39	132.00 39
1979	9.40 40	10.00 40	11.00 39	17.00 41	18.00 38	24.00 36	66.00 39	122.00 40	113.00 37
1980	8.10 38	8.10 38	8.70 37	11.00 37	25.00 40	136.00 41	123.00 41	196.00 41	194.00 41
1981	2.50 31	2.60 31	2.80 31	3.00 29	4.00 26	6.90 22	8.80 21	11.00 16	12.00 6
1982	5.80 36	6.10 36	6.70 36	8.00 36	11.00 35	13.00 32	27.00 32	31.00 31	36.00 23
1983	3.30 32	3.90 32	4.50 33	5.70 34	7.00 31	11.00 28	29.00 34	25.00 27	42.00 26
1984	0.22 14	0.25 14	0.38 15	0.55 17	1.19 18	2.00 13	3.60 11	7.00 12	40.00 24
1985	4.10 33	4.20 33	4.20 32	4.60 31	7.30 32	12.00 29	21.00 30	29.00 30	54.00 30

## 03302500 INDIAN CREEK NEAR CORYDON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	2160.00 40	1290.00 39	786.00 39	515.00 39	432.00 38	319.00 37	236.00 40	182.00 40	128.00 40
1945	6900.00 9	3610.00 10	2730.00 4	2020.00 3	1350.00 2	954.00 2	716.00 2	616.00 2	452.00 4
1946	3410.00 31	2250.00 26	1180.00 32	893.00 29	566.00 30	438.00 27	367.00 26	317.00 28	268.00 30
1947	3440.00 30	1630.00 36	1050.00 34	782.00 31	562.00 31	452.00 25	361.00 29	309.00 29	297.00 20
1948	7960.00 6	5260.00 4	2660.00 5	1420.00 7	1100.00 4	748.00 4	559.00 9	429.00 12	294.00 21
1949	4070.00 24	2320.00 25	1910.00 14	1250.00 12	932.00 11	679.00 10	640.00 3	557.00 4	441.00 6
1950	5300.00 17	3830.00 9	2380.00 8	2030.00 2	1320.00 3	1120.00 1	855.00 1	776.00 1	627.00 1
1951	4840.00 19	2750.00 20	1550.00 19	1190.00 15	699.00 20	611.00 14	610.00 6	556.00 5	470.00 2
1952	6400.00 12	3060.00 14	1520.00 22	1100.00 18	726.00 19	569.00 16	497.00 14	510.00 6	379.00 7
1953	2470.00 37	1840.00 33	934.00 36	544.00 37	365.00 40	317.00 38	268.00 35	244.00 36	218.00 35
1954	2590.00 35	987.00 41	437.00 41	205.00 42	103.00 42	78.00 42	70.00 42	63.00 42	46.00 42
1955	2470.00 36	1930.00 32	1300.00 29	978.00 24	805.00 15	535.00 18	426.00 19	365.00 21	269.00 29
1956	4440.00 20	2180.00 28	1660.00 17	1320.00 9	1040.00 6	719.00 5	511.00 12	418.00 13	293.00 22
1957	3750.00 27	2410.00 24	1540.00 20	810.00 30	579.00 29	403.00 30	366.00 27	325.00 27	278.00 27
1958	4020.00 25	2470.00 23	1440.00 24	969.00 25	672.00 21	553.00 17	447.00 18	359.00 24	336.00 13
1959	12100.00 2	6350.00 2	3000.00 2	1650.00 4	985.00 9	645.00 12	490.00 15	387.00 19	291.00 23
1960	6300.00 13	2990.00 17	1390.00 25	1000.00 22	662.00 22	344.00 35	246.00 39	246.00 35	234.00 33
1961	8910.00 4	5230.00 5	2640.00 6	1340.00 8	987.00 7	641.00 13	632.00 4	498.00 8	359.00 9
1962	4380.00 21	3970.00 8	2250.00 9	1240.00 13	803.00 16	571.00 15	482.00 16	415.00 14	302.00 17
1963	3750.00 28	2040.00 30	1310.00 28	1150.00 16	817.00 13	455.00 23	321.00 32	255.00 34	181.00 38
1964	11500.00 3	7300.00 1	5940.00 1	3070.00 1	1630.00 1	889.00 3	614.00 5	469.00 9	316.00 15
1965	2390.00 38	1830.00 34	946.00 35	496.00 40	445.00 37	317.00 39	268.00 36	241.00 37	177.00 39
1966	5320.00 16	2480.00 22	1540.00 21	925.00 27	636.00 25	454.00 24	419.00 20	399.00 16	297.00 18
1967	2030.00 41	1240.00 40	707.00 40	525.00 38	366.00 39	277.00 40	259.00 38	229.00 38	200.00 37
1968	4000.00 26	2200.00 27	1390.00 26	956.00 26	596.00 28	355.00 34	335.00 30	284.00 31	257.00 31
1969	4330.00 22	2770.00 19	1590.00 18	1020.00 21	635.00 26	389.00 32	296.00 34	285.00 30	232.00 34
1970	8010.00 5	3420.00 11	1970.00 12	1100.00 19	945.00 10	716.00 6	552.00 10	453.00 11	321.00 14
1971	6900.00 10	3010.00 16	1760.00 15	1120.00 17	734.00 18	481.00 21	411.00 21	338.00 25	278.00 28
1972	5230.00 18	3320.00 13	2160.00 11	1450.00 6	986.00 8	662.00 11	576.00 8	458.00 10	338.00 12
1973	13900.00 1	5470.00 3	2520.00 7	1310.00 10	741.00 17	525.00 19	384.00 24	365.00 22	346.00 11
1974	2310.00 39	1820.00 35	1090.00 33	763.00 32	524.00 33	403.00 31	396.00 22	362.00 23	302.00 16
1975	6910.00 8	4590.00 7	2220.00 10	1200.00 14	834.00 12	690.00 8	598.00 7	560.00 3	442.00 5
1976	3470.00 29	2060.00 29	1220.00 31	616.00 36	491.00 34	378.00 33	312.00 33	257.00 33	235.00 32
1977	3000.00 32	1580.00 37	830.00 38	643.00 34	448.00 36	325.00 36	265.00 37	206.00 39	201.00 36
1978	5440.00 15	2870.00 18	1740.00 16	985.00 23	662.00 23	449.00 26	383.00 25	390.00 17	349.00 10
1979	5820.00 14	3340.00 12	1950.00 13	1310.00 11	808.00 14	688.00 9	525.00 11	500.00 7	453.00 3
1980	3000.00 33	2000.00 31	1340.00 27	720.00 33	553.00 32	404.00 29	333.00 31	277.00 32	281.00 26
1981	1110.00 42	650.00 42	365.00 42	298.00 41	206.00 41	183.00 41	161.00 41	150.00 41	112.00 41
1982	7160.00 7	3050.00 15	1460.00 23	1030.00 20	645.00 24	522.00 20	449.00 17	387.00 18	282.00 25
1983	6620.00 11	4860.00 6	2910.00 3	1610.00 5	1060.00 5	694.00 7	497.00 13	415.00 15	376.00 8
1984	2930.00 34	1530.00 38	848.00 37	625.00 35	480.00 35	457.00 22	389.00 23	326.00 26	297.00 19
1985	4110.00 23	2550.00 21	1280.00 30	893.00 28	604.00 27	411.00 28	363.00 28	375.00 20	291.00 24

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	197.00 24
1946	204.00 25
1947	116.00 9
1948	182.00 23
1949	278.00 39
1950	305.00 40
1951	318.00 41
1952	223.00 29
1953	95.00 5
1954	55.00 1
1955	130.00 14
1956	178.00 22
1957	79.00 3
1958	231.00 32
1959	206.00 26
1960	108.00 7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	70.00 40
1945	237.00 7
1946	160.00 21
1947	170.00 18
1948	153.00 28
1949	284.00 3
1950	345.00 1
1951	242.00 5
1952	203.00 10
1953	116.00 36
1954	32.00 42
1955	148.00 31
1956	169.00 19
1957	144.00 32
1958	212.00 9
1959	155.00 27

03302500 INDIAN CREEK NEAR CORYDON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	139.00	18
1962	251.00	35
1963	102.00	6
1964	160.00	19
1965	92.00	4
1966	133.00	16
1967	135.00	17
1968	127.00	13
1969	132.00	15
1970	116.00	10
1971	231.00	33
1972	116.00	11
1973	209.00	28
1974	251.00	36
1975	227.00	31
1976	164.00	21
1977	109.00	8
1978	238.00	34
1979	253.00	37
1980	276.00	38
1981	68.00	2
1982	163.00	20
1983	122.00	12
1984	226.00	30
1985	206.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	150.00	29
1961	185.00	13
1962	158.00	26
1963	104.00	39
1964	160.00	22
1965	113.00	37
1966	159.00	23
1967	111.00	38
1968	140.00	33
1969	127.00	34
1970	177.00	14
1971	158.00	24
1972	177.00	15
1973	235.00	8
1974	186.00	12
1975	242.00	6
1976	148.00	30
1977	119.00	35
1978	258.00	4
1979	317.00	2
1980	173.00	17
1981	68.00	41
1982	158.00	25
1983	202.00	11
1984	176.00	16
1985	166.00	20

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.15	0.90	1.16	8.47	16.80	197.00	369.00	131.00	8.28	11.90	45.00	51.60
1945	11.50	8.34	35.80	169.00	484.00	1049.0	547.00	151.00	323.00	48.00	6.47	33.40
1946	33.40	98.70	150.00	204.00	545.00	341.00	85.40	254.00	96.60	40.80	94.50	2.54
1947	1.89	48.20	138.00	482.00	93.90	49.30	557.00	265.00	230.00	149.00	15.40	7.50
1948	1.03	7.90	18.90	72.70	277.00	591.00	766.00	53.00	2.52	38.40	12.60	10.50
1949	1.92	276.00	319.00	835.00	461.00	579.00	146.00	102.00	378.00	31.70	268.00	14.30
1950	35.90	12.10	245.00	1248.0	1009.0	214.00	475.00	484.00	336.00	27.50	44.70	53.90
1951	9.61	283.00	329.00	673.00	547.00	577.00	417.00	52.10	21.90	3.26	0.24	11.90
1952	4.33	180.00	580.00	437.00	366.00	602.00	106.00	43.10	112.00	4.62	0.90	2.36
1953	3.76	6.33	78.20	351.00	84.20	338.00	176.00	270.00	14.00	33.20	21.40	0.06
1954	0.08	0.44	1.36	33.90	47.20	62.10	76.10	37.50	19.50	0.23	12.00	103.00
1955	27.00	6.73	90.60	135.00	577.00	510.00	208.00	91.90	62.10	72.90	10.00	17.90
1956	56.30	148.00	41.50	104.00	1002.0	370.00	96.20	129.00	91.30	21.30	8.63	7.89
1957	1.90	2.16	15.80	114.00	358.00	126.00	393.00	401.00	292.00	43.80	7.28	0.81
1958	2.73	410.00	652.00	181.00	135.00	255.00	269.00	156.00	30.50	191.00	209.00	47.00
1959	19.50	64.10	112.00	839.00	343.00	189.00	148.00	122.00	15.20	3.88	4.58	0.86
1960	12.10	65.40	237.00	206.00	270.00	215.00	88.70	25.50	525.00	151.00	9.52	6.65
1961	1.07	4.77	7.45	30.30	225.00	605.00	422.00	687.00	75.40	138.00	12.90	3.46
1962	4.62	58.10	216.00	418.00	636.00	363.00	132.00	41.70	20.30	7.54	1.72	25.40
1963	31.50	27.60	35.10	47.70	45.10	802.00	83.40	50.60	19.10	39.80	39.30	8.18
1964	0.29	1.30	1.35	34.80	49.50	1573.0	145.00	42.40	30.90	9.93	3.12	1.54
1965	0.43	2.35	90.80	175.00	348.00	274.00	168.00	29.00	11.30	6.73	2.56	266.00
1966	43.50	19.40	17.90	426.00	493.00	152.00	495.00	228.00	14.90	11.50	27.20	6.05
1967	10.60	58.30	240.00	81.60	110.00	333.00	105.00	320.00	15.50	11.00	25.40	8.43
1968	10.80	35.20	301.00	135.00	151.00	394.00	280.00	277.00	58.90	9.74	17.20	2.74
1969	0.48	8.92	141.00	512.00	174.00	103.00	285.00	152.00	104.00	22.00	17.60	3.03
1970	0.72	17.00	43.20	67.40	214.00	473.00	943.00	156.00	80.90	31.40	104.00	10.40
1971	72.20	83.20	181.00	229.00	756.00	185.00	84.20	242.00	27.80	22.40	26.50	27.50
1972	15.60	13.00	83.00	143.00	320.00	387.00	782.00	326.00	14.10	25.70	25.10	1.04
1973	2.79	161.00	409.00	141.00	111.00	508.00	519.00	87.30	172.00	647.00	44.20	1.00
1974	35.20	287.00	201.00	495.00	181.00	342.00	287.00	92.70	91.70	43.70	77.90	95.80
1975	57.70	151.00	251.00	451.00	459.00	682.00	634.00	154.00	72.80	6.31	2.25	1.83
1976	32.10	52.00	209.00	400.00	313.00	104.00	68.00	141.00	381.00	52.60	23.70	7.59
1977	36.10	33.50	17.40	5.94	126.00	416.00	162.00	107.00	127.00	98.50	253.00	40.20
1978	301.00	291.00	534.00	261.00	78.50	574.00	212.00	248.00	103.00	134.00	268.00	60.80
1979	30.10	211.00	602.00	388.00	518.00	271.00	708.00	83.90	246.00	396.00	92.00	281.00
1980	66.10	553.00	251.00	185.00	110.00	350.00	239.00	152.00	44.30	103.00	13.90	8.58
1981	9.26	15.70	16.50	10.20	83.60	128.00	194.00	164.00	72.70	31.90	28.40	68.30
1982	14.00	13.00	132.00	540.00	280.00	424.00	240.00	72.90	85.20	27.60	17.30	58.90
1983	10.50	137.00	409.00	168.00	157.00	89.80	437.00	923.00	66.80	10.30	5.27	1.68
1984	71.50	248.00	229.00	105.00	138.00	469.00	375.00	305.00	23.00	92.80	42.20	10.50
1985	29.50	174.00	483.00	210.00	363.00	367.00	160.00	44.40	98.10	66.30	4.79	0.80



03302500 INDIAN CREEK NEAR CORYDON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.91	8.77	35.60	98.40	111.00	195.00
FIFTIETH PERCENTILE					
11.20	50.10	146.00	183.00	274.00	357.00
SEVENTY FIFTH PERCENTILE					
33.80	164.00	264.00	429.00	467.00	526.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
142.00	67.90	20.10	10.80	7.08	2.49
FIFTIETH PERCENTILE					
240.00	146.00	72.70	31.80	17.39	8.50
SEVENTY FIFTH PERCENTILE					
447.00	257.00	116.00	77.90	44.30	41.90

## 03302680 WEST FORK BLUE RIVER AT SALEM, IN

LOCATION.--Lat 38°36'19", long 86°05'40", in SW¼SE¼ sec.17, T.2 N., R.4 E., Washington County, Hydrologic Unit 05140104, on left bank at downstream side of bridge on East Market Street, 0.35 mi east of County Court House in Salem, 6.0 mi upstream from Hoggatt Branch, and 6.9 mi upstream from mouth.

DRAINAGE AREA.--19.0 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1970 to September 1985. Prior to December 10, 1970, nonrecording gage at site 0.55 mi downstream at datum 5.04 ft lower. Low-flow records not equivalent due to effluent from factory entering stream from right bank between sites.

GAGE.--Water-stage recorder. Datum of gage is 713.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 25.0 ft<sup>3</sup>/s, 17.87 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,400 ft<sup>3</sup>/s May 1, 1983, gage height, 13.14 ft from rating curve extended above 900 ft<sup>3</sup>/s by a step-backwater analysis; minimum daily, 0.02 ft<sup>3</sup>/s Sept. 24, 1970.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971					1	6	9	16	11	19	8	8	17	36	31	24	33	25	18	19	22	20	12	11	3	4	8	3					1		
1972				1	2	11	8	8	10	30	35	19	23	15	22	23	19	19	10	24	23	18	14	7	6	4	5	2	3	1	2	1	1		
1973						2	9	23	14	8	2	8	6	20	18	17	12	21	21	28	34	29	33	24	14	10	4	4	2	2					
1974					8	7	5	5	5	15	9	9	12	5	16	19	27	22	34	29	32	27	23	17	14	15	3	3	2		1	1			
1975		2	3	13	8	13	8	5	3	9	9	7	7	6	5	16	25	17	17	13	33	48	36	20	17	9	5	4	2	2	1	2			
1976								1	5	17	15	12	19	15	21	24	39	36	31	23	32	20	16	11	9	10	4	3	1	1	1				
1977								3	4	10	35	24	29	43	35	23	22	14	13	25	21	19	20	4	11	6	1	2	1						
1978									2	2	3	1	10	21	21	24	43	37	38	43	20	25	26	17	6	13	3	4	3	2				1	
1979									2	2	3	3		21	18	37	33	32	33	50	28	24	25	19	13	9	3	2	3	4	1				
1980									1	7	12	9	5	13	12	22	12	39	32	38	52	37	26	19	10	6	6	4	2	2					
1981					3	2	3	7	19	16	14	9	25	36	28	16	19	29	23	30	29	21	19	6	4	5	1		1						
1982						4	7	5	10	16	10	11	10	22	21	24	39	27	34	44	23	19	13	5	7	4	3	1	2	1	1	2			
1983					2	10	27	15	6	6	7	4	8	5	5	5	28	23	28	36	33	24	17	17	16	8	13	3	5	3	1	2	1	2	
1984		1	3	25	9	13	4	10	4	5	9	9	11	5	13	10	8	14	27	25	21	29	34	21	16	15	5	11	3	3		3			
1985					5	1	3	7	5	12	8	6	15	23	32	32	27	26	24	34	27	22	17	11	7	7	4	4	4		1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	0.74	147	4746	86.62	24	38.0	269	843	15.39
1	0.02	0	5479	100.00	13	1.0	177	4599	83.94	25	53.0	178	574	10.48
2	0.03	3	5479	100.00	14	1.4	213	4422	80.71	26	73.0	133	396	7.23
3	0.04	6	5476	99.95	15	2.0	292	4209	76.82	27	100.0	111	263	4.80
4	0.05	41	5470	99.84	16	2.8	301	3917	71.49	28	140.0	51	152	2.77
5	0.07	41	5429	99.09	17	3.8	359	3616	66.00	29	200.0	37	101	1.84
6	0.10	77	5388	98.34	18	5.3	405	3257	59.45	30	270.0	29	64	1.17
7	0.14	61	5311	96.93	19	7.4	365	2852	52.05	31	380.0	14	35	0.64
8	0.20	77	5250	95.82	20	10.0	405	2487	45.39	32	520.0	13	21	0.38
9	0.28	102	5173	94.42	21	14.0	498	2082	38.00	33	730.0	6	8	0.15
10	0.38	151	5071	92.55	22	20.0	402	1584	28.91	34	1000.0	2	2	0.04
11	0.53	174	4920	89.80	23	27.0	339	1182	21.57					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.25  
P90 = 0.52  
P75 = 2.3  
P70 = 3.1  
P50 = 8.2  
P25 = 23.7  
P10 = 55.9

## 03302680 WEST FORK BLUE RIVER AT SALEM, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.08 8	0.09 6	0.10 5	0.12 4	0.29 3	0.58 4	0.73 3	0.80 1	2.20 1
1973	0.05 4	0.11 7	0.17 7	0.31 8	0.58 7	1.10 7	1.40 7	1.30 2	3.10 5
1974	0.08 5	0.08 4	0.08 4	0.13 5	0.41 6	0.54 3	0.67 2	2.30 8	11.00 8
1975	0.08 6	0.12 8	0.24 8	0.48 9	1.30 11	7.00 12	14.00 14	16.00 13	20.00 14
1976	0.03 1	0.03 1	0.05 1	0.09 2	0.10 2	0.19 2	1.19 6	2.10 6	5.40 7
1977	0.27 10	0.31 10	0.45 11	0.54 10	0.89 9	1.30 8	1.90 9	2.90 9	2.90 3
1978	0.55 13	0.65 13	0.88 13	1.19 13	2.50 13	7.10 13	9.00 13	11.00 11	13.00 10
1979	0.48 12	0.53 12	0.69 12	1.10 12	2.10 12	3.80 10	8.30 11	14.00 12	14.00 11
1980	2.50 14	2.60 14	3.00 14	4.20 14	6.20 14	8.00 14	8.80 12	17.00 14	16.00 12
1981	0.24 9	0.24 9	0.26 9	0.28 6	0.65 8	1.40 9	1.80 8	2.30 7	3.00 4
1982	0.08 7	0.08 5	0.11 6	0.28 7	0.39 5	1.00 6	1.10 4	1.40 5	2.30 2
1983	0.28 11	0.37 11	0.41 10	0.54 11	1.30 10	5.40 11	7.30 10	9.10 10	16.00 13
1984	0.03 2	0.05 3	0.07 3	0.09 3	0.31 4	0.84 5	1.10 5	1.30 3	12.00 9
1985	0.04 3	0.04 2	0.05 2	0.05 1	0.06 1	0.18 1	0.34 1	1.30 4	4.80 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	522.00 10	241.00 13	175.00 10	112.00 9	77.00 10	49.00 14	41.00 14	34.00 13	24.00 14
1972	963.00 4	654.00 2	407.00 2	256.00 2	137.00 2	91.00 2	69.00 3	54.00 7	38.00 9
1973	481.00 11	265.00 10	174.00 11	129.00 6	92.00 6	78.00 4	62.00 5	55.00 6	51.00 3
1974	789.00 6	382.00 8	202.00 9	108.00 10	75.00 11	56.00 11	54.00 9	48.00 10	44.00 7
1975	700.00 7	417.00 7	210.00 7	107.00 11	86.00 7	71.00 6	68.00 4	62.00 2	51.00 4
1976	460.00 12	247.00 12	149.00 13	85.00 13	68.00 12	58.00 10	48.00 11	40.00 11	31.00 12
1977	281.00 14	161.00 14	117.00 14	75.00 14	63.00 14	54.00 12	42.00 12	32.00 14	27.00 13
1978	1010.00 2	517.00 3	301.00 3	167.00 4	96.00 5	64.00 9	55.00 8	52.00 8	48.00 6
1979	687.00 8	334.00 9	207.00 8	122.00 8	85.00 8	71.00 7	61.00 6	59.00 3	51.00 5
1980	333.00 13	249.00 11	170.00 12	93.00 12	65.00 13	49.00 13	42.00 13	36.00 12	37.00 11
1981	250.00 15	107.00 15	61.00 15	57.00 15	46.00 15	36.00 15	29.00 15	26.00 15	19.00 15
1982	923.00 5	461.00 5	230.00 6	202.00 3	118.00 3	77.00 5	60.00 7	51.00 9	38.00 10
1983	1540.00 1	890.00 1	538.00 1	277.00 1	187.00 1	118.00 1	83.00 1	68.00 1	65.00 1
1984	650.00 9	447.00 6	233.00 5	140.00 5	98.00 4	86.00 3	69.00 2	56.00 4	51.00 2
1985	964.00 3	502.00 4	247.00 4	128.00 7	78.00 9	68.00 8	51.00 10	55.00 5	41.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	9.40 2
1973	32.00 11
1974	26.00 7
1975	36.00 13
1976	22.00 4
1977	11.00 3
1978	29.00 8
1979	32.00 12
1980	29.00 9
1981	9.20 1
1982	23.00 5
1983	25.00 6
1984	40.00 14
1985	30.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	14.00 14
1972	20.00 11
1973	31.00 5
1974	31.00 6
1975	28.00 7
1976	18.00 12
1977	16.00 13
1978	32.00 4
1979	33.00 2
1980	22.00 10
1981	11.00 15
1982	25.00 9
1983	36.00 1
1984	32.00 3
1985	28.00 8

## BLUE RIVER BASIN

03302680 WEST FORK BLUE RIVER AT SALEM, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	*	*	*	*	*	*	*	*	*	2.48	1.58	0.43
1971	1.97	5.35	14.90	20.30	78.60	21.50	7.45	7.54	2.19	6.98	1.61	0.93
1972	0.85	0.74	6.44	11.90	25.20	41.20	136.00	8.12	0.94	1.44	2.12	5.08
1973	1.20	24.20	68.60	29.90	28.60	82.40	70.50	15.90	14.30	33.00	3.67	0.42
1974	0.67	26.20	25.30	54.50	20.40	51.60	52.50	45.10	21.70	26.00	8.33	33.70
1975	6.17	28.70	30.00	45.80	67.70	73.50	63.00	9.43	5.64	0.42	0.15	4.55
1976	14.90	15.50	36.50	56.70	50.00	9.65	4.21	2.55	11.80	6.85	3.90	1.98
1977	4.46	3.87	2.33	0.97	29.00	56.60	31.10	12.20	7.54	14.40	28.90	4.50
1978	16.60	35.70	69.20	23.00	9.74	92.60	19.30	48.90	8.94	28.70	20.40	6.94
1979	5.60	27.40	70.50	50.20	60.90	34.70	63.40	9.19	10.00	31.60	20.30	14.60
1980	9.68	64.50	31.90	28.00	15.70	46.80	32.30	17.10	5.49	9.88	3.67	1.33
1981	1.96	4.33	4.67	2.48	15.10	12.40	29.90	26.50	27.00	1.22	1.80	1.75
1982	0.90	3.15	13.70	103.00	35.90	34.70	22.00	14.30	11.10	9.15	9.85	40.00
1983	17.30	39.90	75.50	24.00	20.00	11.60	90.60	140.00	9.07	0.33	2.41	0.55
1984	45.70	49.40	37.00	11.70	18.30	73.90	87.90	37.40	1.96	15.80	0.16	0.36
1985	0.82	13.10	55.60	28.20	56.60	69.00	16.60	6.02	38.00	17.20	30.50	1.96

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.90	4.33	13.70	11.90	18.30	21.50
FIFTIETH PERCENTILE					
4.46	24.19	31.90	28.00	28.60	46.80
SEVENTY FIFTH PERCENTILE					
14.90	35.70	68.60	50.20	56.60	73.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
19.30	8.12	5.49	1.70	1.66	0.65
FIFTIETH PERCENTILE					
32.30	14.30	9.07	9.51	3.67	1.97
SEVENTY FIFTH PERCENTILE					
70.50	37.40	14.30	23.80	17.69	6.47

## 03302800 BLUE RIVER AT FREDERICKSBURG, IN

LOCATION.--Lat 38°26'02", long 86°11'31", in NE¼NW¼ sec.16, T.1 S., R.3 E., Washington County, Hydrologic Unit 05140104, on downstream side of bridge on U.S. Highway 150 at Fredericksburg, 0.5 mi downstream from South Fork Blue River, and at mile 57.1.

DRAINAGE AREA.--283 mi<sup>2</sup>, of which 76.9 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 590.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 342 ft<sup>3</sup>/s, 16.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft<sup>3</sup>/s May 2, 1983, gage height, 24.37 ft; minimum daily, 6.1 ft<sup>3</sup>/s Oct. 18, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 29.20 ft, from floodmark, on left upstream wingwall.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969		3	13	27	16	17	11	18	11	10	10	23	19	22	24	26	16	24	13	9	12	12	8	5	1	7	1	1	1	3	1				1
1970			12	27	17	14	19	17	14	16	11	14	22	11	21	20	19	22	19	10	18	10	12	4	5	1		4	1	2	1	1	1		
1971		1	3	6	11	13	11	8	12	25	27	33	23	22	20	28	20	17	15	22	7	11	5	10	4	5	3		1	1				1	
1972		3	7	6	19	32	16	22	25	20	19	9	19	10	14	21	18	22	15	16	12	10	5	7	3	4	3	2	4	1	1			1	
1973		3	6	17	18	7	6	9	6	9	8	14	20	13	28	20	28	33	23	25	18	20	7	6	10	3	3	3		1			1		
1974		2	7	11	22	14	7	15	20	9	20	11	15	21	29	16	21	24	14	17	16	15	13	9	3	5	4	2	2	1					
1975		9	4	17	24	18	10	6	16	11	8	13	14	11	16	14	27	34	29	15	18	13	14	6	4	3	1	3		4			1	1	1
1976			4	7	9	16	7	15	23	21	29	16	21	14	23	29	22	23	15	13	16	12	5	9	5	3	2	2	2	1			1	1	
1977		1	8	26	14	23	12	16	33	21	18	16	9	17	15	13	17	16	13	14	16	14	8	10	3	4	4	3		1					
1978									8	14	19	21	22	30	39	31	19	24	24	16	22	16	19	10	8	7	7	1	2			4	1		1
1979						5	4	11	15	15	14	24	21	22	27	26	23	29	21	21	17	16	13	9	7	6	4	3	4	4	3	2	3		
1980			2	8	11	15	8	12	13	25	19	16	22	24	20	29	29	25	18	18	13	13	8	4	3	4	3	2	1					1	
1981			5	4	13	14	27	39	39	23	26	20	13	21	16	18	17	16	16	8	11	5	5	3	4			1	1						
1982				5	16	19	26	23	20	18	22	26	19	16	12	14	21	25	16	15	10	13	8	4	5	2	4	1	1			1	1	2	
1983		2	13	8	10	13	16	13	8	22	15	11	7	15	19	27	19	22	23	12	17	14	13	17	3	9	2	3	1	2	6		1	1	1
1984		3	15	7	15	10	20	14	22	12	7	10	12	5	15	23	24	35	21	14	19	15	15	7	7	6	6	3	2		1			1	
1985		4	10	11	9	10	11	15	11	18	18	30	19	24	17	22	15	23	15	25	17	8	10	4	8	1	1	5	1			1	1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	72.0	304	3925	63.21	24	1100.0	89	378	6.09
1	6.1	13	6209	100.00	13	90.0	291	3621	58.32	25	1300.0	87	289	4.65
2	7.6	98	6196	99.79	14	110.0	335	3330	53.63	26	1700.0	52	202	3.25
3	9.6	145	6098	98.21	15	140.0	389	2995	48.24	27	2100.0	41	150	2.42
4	12.0	187	5953	95.88	16	180.0	323	2606	41.97	28	2600.0	34	109	1.76
5	15.0	249	5766	92.87	17	220.0	385	2283	36.77	29	3300.0	21	75	1.21
6	19.0	223	5517	88.85	18	280.0	371	1898	30.57	30	4100.0	24	54	0.87
7	23.0	241	5294	85.26	19	350.0	277	1527	24.59	31	5100.0	7	30	0.48
8	29.0	282	5053	81.38	20	430.0	286	1250	20.13	32	6400.0	13	23	0.37
9	37.0	284	4771	76.84	21	540.0	233	964	15.53	33	8000.0	8	10	0.16
10	46.0	274	4487	72.27	22	680.0	193	731	11.77	34	10000.0	2	2	0.03
11	57.0	288	4213	67.85	23	850.0	160	538	8.66					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 12.9  
P90 = 17.9  
P75 = 40.6  
P70 = 51.7  
P50 = 130.0  
P25 = 345.0  
P10 = 777.0

## 03302800 BLUE RIVER AT FREDERICKSBURG, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	7.90 8	8.30 7	8.80 5	9.00 4	10.00 1	11.00 1	20.00 1	35.00 7	53.00 5
1971	10.00 10	11.00 10	12.00 10	14.00 10	16.00 8	47.00 10	53.00 10	59.00 10	81.00 9
1972	7.50 5	8.60 8	11.00 9	13.00 9	17.00 9	52.00 11	72.00 11	69.00 11	78.00 8
1973	6.60 1	6.80 1	7.80 2	8.90 2	14.00 5	26.00 8	29.00 8	31.00 4	52.00 4
1974	7.90 9	9.10 9	9.90 8	11.00 7	15.00 6	19.00 6	21.00 4	49.00 9	182.00 13
1975	12.00 11	13.00 11	14.00 11	20.00 13	28.00 13	59.00 13	87.00 12	106.00 12	156.00 12
1976	7.80 7	8.10 5	9.50 7	11.00 8	16.00 7	17.00 5	21.00 5	28.00 1	68.00 7
1977	7.10 3	8.10 6	8.40 3	10.00 5	11.00 2	16.00 3	23.00 6	34.00 5	32.00 1
1978	15.00 14	15.00 14	18.00 14	32.00 15	59.00 15	123.00 15	153.00 15	209.00 15	201.00 15
1979	20.00 15	20.00 15	22.00 15	29.00 14	52.00 14	59.00 14	114.00 14	201.00 14	199.00 14
1980	35.00 16	37.00 16	43.00 16	58.00 16	93.00 16	176.00 16	183.00 16	307.00 16	285.00 16
1981	7.60 6	7.90 4	9.20 6	11.00 6	17.00 10	24.00 7	29.00 7	34.00 6	37.00 2
1982	12.00 12	13.00 12	14.00 12	18.00 11	22.00 11	27.00 9	37.00 9	42.00 8	49.00 3
1983	14.00 13	15.00 13	15.00 13	18.00 12	24.00 12	55.00 12	99.00 13	112.00 13	139.00 11
1984	6.70 2	7.30 2	7.70 1	8.90 3	12.00 4	17.00 4	20.00 2	29.00 2	129.00 10
1985	7.30 4	7.40 3	8.40 4	8.60 1	11.00 3	14.00 2	20.00 3	29.00 3	60.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	8470.00 7	5570.00 6	3050.00 8	1980.00 6	1290.00 7	861.00 11	649.00 14	573.00 13	482.00 13
1970	6780.00 12	3660.00 14	2030.00 13	1360.00 12	1040.00 12	950.00 6	800.00 6	685.00 7	517.00 11
1971	6940.00 11	3950.00 11	2440.00 10	1630.00 10	1120.00 9	726.00 15	630.00 15	527.00 15	427.00 14
1972	6560.00 13	4340.00 9	3310.00 4	2320.00 3	1320.00 3	1030.00 5	831.00 5	683.00 8	515.00 12
1973	7420.00 8	3770.00 12	1950.00 14	1400.00 11	1020.00 13	900.00 9	709.00 10	616.00 11	584.00 8
1974	4950.00 15	2730.00 15	1740.00 15	1280.00 15	1090.00 10	801.00 14	770.00 7	681.00 9	558.00 10
1975	10000.00 2	6490.00 3	3300.00 5	1840.00 7	1310.00 5	1150.00 4	1060.00 1	971.00 1	766.00 3
1976	6980.00 10	3700.00 13	2310.00 11	1300.00 14	992.00 14	807.00 13	666.00 13	546.00 14	421.00 15
1977	3470.00 16	2330.00 16	1320.00 16	959.00 16	821.00 16	692.00 16	597.00 16	470.00 16	409.00 16
1978	9600.00 4	5920.00 5	3610.00 2	2080.00 4	1320.00 4	838.00 12	706.00 11	722.00 6	651.00 4
1979	7040.00 9	4530.00 7	3130.00 6	2030.00 5	1300.00 6	1220.00 2	959.00 4	926.00 2	828.00 2
1980	6490.00 14	4490.00 8	2990.00 9	1680.00 8	1150.00 8	906.00 8	761.00 8	632.00 10	630.00 5
1981	2220.00 17	1390.00 17	856.00 17	717.00 17	620.00 17	458.00 17	394.00 17	346.00 17	251.00 17
1982	9900.00 3	6930.00 2	3320.00 3	2900.00 2	1750.00 2	1210.00 3	985.00 3	842.00 4	615.00 6
1983	10800.00 1	8820.00 1	5490.00 1	2940.00 1	2110.00 1	1460.00 1	1040.00 2	854.00 3	832.00 1
1984	8580.00 6	4230.00 10	2100.00 12	1310.00 13	947.00 15	880.00 10	715.00 9	610.00 12	570.00 9
1985	8870.00 5	6130.00 4	3070.00 7	1660.00 9	1040.00 11	938.00 7	690.00 12	760.00 5	592.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	221.00 4
1971	341.00 7
1972	214.00 3
1973	359.00 8
1974	374.00 10
1975	444.00 13
1976	321.00 6
1977	184.00 2
1978	425.00 12
1979	467.00 14
1980	507.00 16
1981	150.00 1
1982	366.00 9
1983	302.00 5
1984	474.00 15
1985	378.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	267.00 14
1970	285.00 11
1971	255.00 15
1972	278.00 13
1973	390.00 6
1974	352.00 9
1975	422.00 4
1976	281.00 12
1977	241.00 16
1978	437.00 3
1979	544.00 1
1980	390.00 5
1981	148.00 17
1982	356.00 8
1983	463.00 2
1984	340.00 10
1985	366.00 7

## 03302800 BLUE RIVER AT FREDERICKSBURG, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	*	138.00	49.70	89.30	24.20
1969	9.98	45.60	458.00	1017.0	433.00	142.00	487.00	341.00	94.80	96.10	53.00	26.00
1970	11.00	53.10	90.00	172.00	342.00	888.00	977.00	453.00	282.00	36.50	101.00	29.90
1971	67.40	141.00	268.00	329.00	1136.0	355.00	148.00	323.00	79.60	92.70	50.90	139.00
1972	68.30	36.90	220.00	287.00	454.00	666.00	1280.0	205.00	33.20	26.80	45.10	29.90
1973	22.50	342.00	722.00	354.00	314.00	937.00	830.00	213.00	254.00	588.00	81.00	15.30
1974	22.70	345.00	301.00	775.00	322.00	736.00	749.00	358.00	272.00	86.50	70.10	190.00
1975	76.60	302.00	397.00	680.00	1002.0	1189.0	993.00	301.00	104.00	19.60	18.80	28.10
1976	99.60	152.00	441.00	781.00	767.00	170.00	86.80	114.00	594.00	124.00	44.80	23.20
1977	42.10	50.80	29.40	11.60	295.00	802.00	467.00	280.00	195.00	175.00	463.00	82.40
1978	181.00	533.00	998.00	353.00	137.00	1193.0	313.00	564.00	139.00	345.00	305.00	129.00
1979	74.70	410.00	994.00	814.00	969.00	566.00	1150.0	194.00	306.00	587.00	264.00	239.00
1980	114.00	1135.0	608.00	514.00	237.00	748.00	543.00	380.00	128.00	206.00	43.40	22.10
1981	37.60	46.70	49.50	23.90	163.00	157.00	423.00	394.00	341.00	44.40	42.40	59.00
1982	28.90	43.00	208.00	1341.0	788.00	695.00	427.00	186.00	207.00	87.80	48.60	230.00
1983	123.00	429.00	1013.0	378.00	302.00	190.00	1045.0	1808.0	170.00	29.60	26.70	15.50
1984	305.00	529.00	477.00	207.00	260.00	798.00	811.00	502.00	51.00	99.10	27.70	14.90
1985	17.80	204.00	758.00	427.00	780.00	871.00	364.00	158.00	512.00	161.00	142.00	21.60

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
22.60	48.70	214.00	247.00	278.00	273.00
FIFTIETH PERCENTILE					
67.40	204.00	441.00	378.00	342.00	736.00
SEVENTY FIFTH PERCENTILE					
107.00	420.00	740.00	778.00	784.00	880.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
394.00	200.00	102.00	42.40	43.10	22.00
FIFTIETH PERCENTILE					
543.00	323.00	183.00	94.40	51.90	29.00
SEVENTY FIFTH PERCENTILE					
985.00	424.00	288.00	183.00	111.00	132.00

## 03303000 BLUE RIVER NEAR WHITE CLOUD, IN

LOCATION.--Lat 38°14'15", long 86°13'42", in NW¼SE¼ sec.19, T.3 S., R.3 E., Harrison County, Hydrologic Unit 05140104, on left bank 400 ft downstream from Spring Creek, 600 ft upstream from bridge on Interstate 64, 0.2 mi upstream from bridge on State Highway 62, 0.8 mi north of White Cloud, and at mile 14.7.

DRAINAGE AREA.--476 mi<sup>2</sup>, of which 192 mi<sup>2</sup> does not contribute directly to surface runoff. Also, part of flow from Indian Creek, downstream from Corydon, IN, enters Blue River via solution channel in Karst area through Harrison Spring.

PERIOD OF RECORD.--October 1930 to September 1985. Monthly figures only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 434.26 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Nov. 16, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--55 years, 638 ft<sup>3</sup>/s, 18.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,500 ft<sup>3</sup>/s Jan. 22, 1959, gage height, 23.07 ft; minimum daily, 9.6 ft<sup>3</sup>/s Oct. 17, 1964.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1932									7	22	21	37	27	14	22	25	27	29	30	29	12	19	14	10	8	6	1	2	1	3					
1933					4	10	16	18	10	11	25	25	12	25	21	15	19	20	33	19	16	15	16	11	6	2	5	4	1	2	4				
1934				10	6	9	53	46	51	24	27	38	16	16	18	20	9	4	7	6	2	1	1	1	1										
1935		2	8	12	40	17	23	13	19	12	15	27	17	18	23	22	14	11	14	10	16	8	7	7	5	1			3			1			
1936		4	13	13	36	27	32	23	21	21	29	21	13	32	18	14	10	7	10	6	3	6	2		2	2			1						
1937			8	27	10	16	16	8	15	18	26	22	14	17	33	21	13	19	21	11	11	6	7	7	4	4	1	2	3	2	2	1			
1938			1	2	5	5	16	23	17	24	36	21	33	23	14	22	28	21	23	16	10	10	3	4	2	4	1		1						
1939				2	35	28	22	20	16	13	21	18	17	19	17	14	16	14	7	11	17	17	16	8	4	4	5	2	2						
1940		4	14	47	64	18	23	21	10	6	11	12	9	21	26	11	9	9	17	9	3	7	3	5	3		2	1		1					
1941		1	5	24	15	11	32	31	44	39	26	36	27	14	18	12	10	4	6	3	1	4	1	1											
1942		2	5	6	7	11	16	7	13	15	10	32	20	16	30	39	34	14	22	13	11	9	9	8	8	2	4	1		1					
1943		1	2	21	21	21	8	7	12	8	4	15	10	17	39	30	32	20	21	16	13	14	12	8	5	1	4		1	1	1				
1944		2	15	47	35	28	12	25	9	16	12	18	9	16	15	18	11	14	9	11	9	11	9	4	4	3	2	1		1					
1945					17	20	25	22	23	17	14	11	10	18	16	17	30	28	21	16	10	12	9	5	8	4		5	2	2	2		1		
1946					3	12	7	8	11	21	18	25	14	24	34	27	25	29	25	24	14	14	10	8	2	5	3	1		1					
1947					19	13	26	14	9	8	20	30	15	28	29	18	25	21	15	12	15	18	9	7	5	3	2	4							
1948				2	14	20	15	13	35	32	22	36	21	13	18	9	17	19	16	14	8	7	11	8	6	1	4		2		2		1		
1949				15	10	1	1	4	16	16	15	17	16	17	29	23	28	28	24	21	13	16	13	11	6	4	6	8	4	3					
1950								4	35	15	18	25	18	19	25	26	27	28	20	15	18	13	10	14	7	6	3	7	5	5	2				
1951					6	5	7	18	20	23	17	20	22	13	16	15	13	19	20	16	18	23	22	17	14	7	1	4	5	2	1	1			
1952			2	4	13	28	28	18	9	15	12	17	12	14	13	12	18	23	22	22	18	14	11	5	9	6	5	1	1	1					
1953			3	18	18	20	28	12	5	16	14	11	17	18	9	15	18	23	26	31	16	13	12	6	6	3	3	2	1		1				
1954			7	23	46	39	29	26	9	13	18	9	13	30	21	15	29	18	11	1	4			1	2	1									
1955					22	5	4	30	30	11	22	18	20	24	22	32	28	26	12	12	9	9	12	2	6	4	2	1	2						
1956				4	7	10	10	6	17	42	25	28	23	19	18	19	33	24	20	8	11	12	9	6	4	1	3	4	3						
1957				13	25	29	20	13	19	10	11	20	12	21	13	26	24	30	24	12	13	7	7	3	2	3	2	1	4				1		
1958				11	5	11	5	2	4	8	16	17	12	16	28	29	46	37	28	26	16	15	9	7	2	5	4	3	2	1					
1959				4	13	8	23	14	17	10	31	22	17	33	35	15	19	22	28	17	10	9	5	7	2		1				2		1		
1960				5	6	9	7	14	16	18	18	27	23	19	17	46	38	17	17	12	18	14	10	1	4	3	3		2		1	1			
1961				9	22	18	16	16	22	27	24	20	18	13	10	24	14	18	16	7	16	9	11	10	8	6	4	4			1			2	
1962				2	8	33	22	21	21	14	10	15	19	20	10	29	19	29	23	17	12	12	11	5	2	4	1		3		1	2			
1963				1	8	6	33	33	28	27	32	45	32	27	32	15	5	5	4	6	8	4	2	4	2	2	2		2	2					
1964				11	67	46	20	7	8	10	12	15	30	28	14	11	12	8	10	6	7	5	4	3	2	2	1	1	1			2		1	1
1965				12	7	14	13	11	9	18	15	17	13	20	28	14	18	16	20	27	27	10	14	5	6	9	2	2							
1966					6	21	24	9	20	32	36	31	24	17	23	15	24	18	16	8	6	7	6	5	3	8	2	1	2	1					
1967				2	16	15	19	24	21	15	20	31	20	21	40	22	17	16	11	12	11	9	7	8	6		1	1							
1968					11	7	17	14	20	22	25	26	20	33	21	16	23	22	16	12	15	13	7	10	5	7	3		1						
1969					33	29	11	6	4	4	14	18	18	29	40	28	33	19	18	15	10	9	11	3	2	3	3	3		1	1				
1970					13	23	11	12	7	18	24	30	24	25	16	23	19	29	24	12	17	14	7	2	5	2	1	3	4						
1971									16	13	12	12	31	28	40	47	32	31	24	23	15	11	7	9	6	3	2	1		1					
1972					7	11	11	35	36	19	29	30	15	14	22	21	18	23	13	13	13	7	9	7	3	3	5		2						
1973					9	8	13	13	10	6	13	3	6	16	25	26	38	38	35	22	27	16	14	8	3	6	5	3					2		
1974					6	5	13	12	13	16	14	18	18	23	31	27	29	31	26	17	18	17	10	8	2	5	5	1							
1975					16	11	19	21	13	7	11	14	8	13	22	23	25	40	39	14	19	16	10	7	3	3	4	2	1	2	1	1			



## 03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976	1	3	7	6	12	16	25	34	25	19	20	25	38	40	26	18	11	9	5	9	7	1	3	2	2	2
1977		3	24	24	16	21	21	29	29	19	23	18	17	18	22	20	18	15	8	10	4	3	1	2		
1978						8	11	13	19	37	38	53	36	31	22	24	21	15	11	10	4	4	6		1	1
1979					5	13	23	19	13	28	25	31	45	28	28	15	20	17	11	14	9	5	3	3	6	3
1980			16	13	6	4	16	14	20	36	34	29	36	30	32	15	17	15	11	5	7	4	3	2	1	
1981		8	8	20	21	45	33	35	24	15	22	30	24	25	22	15	4	4	5	2	1	1	1			
1982			6	31	30	14	23	24	14	33	29	16	21	27	21	19	16	12	7	8	5	4	1		1	3
1983		4	20	23	20	26	16	14	10	10	12	29	23	25	28	21	13	15	12	13	11	3	5	2	4	2
1984		3	2	4	23	18	20	25	21	15	13	18	23	29	30	31	18	21	18	12	11	5	3	1	1	1
1985			8	16	19	10	14	16	19	24	39	29	24	29	36	19	19	15	10	3	6	4	2	2	1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	19724	100.00	12	130.0	1200	12781	64.80	24	2300.0	334	1057	5.36
1	9.6	28	19724	100.00	13	170.0	887	11581	58.72	25	3000.0	206	723	3.67
2	12.0	98	19696	99.86	14	210.0	1170	10694	54.22	26	3800.0	161	517	2.62
3	15.0	300	19598	99.36	15	270.0	1353	9524	48.29	27	4800.0	117	356	1.80
4	20.0	409	19298	97.84	16	350.0	1199	8171	41.43	28	6100.0	88	239	1.21
5	25.0	753	18889	95.77	17	440.0	1236	6972	35.35	29	7700.0	66	151	0.77
6	32.0	647	18136	91.95	18	560.0	1187	5736	29.08	30	9800.0	40	85	0.43
7	40.0	799	17489	88.67	19	710.0	1031	4549	23.06	31	12000.0	28	45	0.23
8	51.0	899	16690	84.62	20	900.0	739	3518	17.84	32	16000.0	9	17	0.09
9	65.0	1000	15791	80.06	21	1100.0	698	2779	14.09	33	20000.0	7	8	0.04
10	82.0	843	14791	74.99	22	1400.0	582	2081	10.55	34	26000.0	1	1	0.01
11	100.0	1167	13948	70.72	23	1800.0	442	1499	7.60					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	26.4
P90 =	36.7
P75 =	82.0
P70 =	104.0
P50 =	253.0
P25 =	662.0
P10 =	1470.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	41.00 41	42.00 41	52.00 42	85.00 50	137.00 52	171.00 50	189.00 47	191.00 44	194.00 34
1933	59.00 49	65.00 49	67.00 48	73.00 47	142.00 53	203.00 51	219.00 48	227.00 48	265.00 42
1934	26.00 34	28.00 37	31.00 37	35.00 39	51.00 38	70.00 36	84.00 36	90.00 27	98.00 16
1935	14.00 10	15.00 10	17.00 11	20.00 11	22.00 8	26.00 8	39.00 9	49.00 10	59.00 5
1936	19.00 16	23.00 21	24.00 21	25.00 20	28.00 17	47.00 25	66.00 26	81.00 22	106.00 17
1937	14.00 11	15.00 11	17.00 12	17.00 9	29.00 18	41.00 17	42.00 10	43.00 9	123.00 21
1938	23.00 23	24.00 23	25.00 22	25.00 21	42.00 34	74.00 38	119.00 39	123.00 35	151.00 27
1939	24.00 24	25.00 24	26.00 28	26.00 22	27.00 15	40.00 16	46.00 11	79.00 21	218.00 38
1940	18.00 13	19.00 13	21.00 13	22.00 14	25.00 13	26.00 9	28.00 7	36.00 7	81.00 11
1941	12.00 7	13.00 8	14.00 8	16.00 8	19.00 6	20.00 4	25.00 5	30.00 5	43.00 3
1942	11.00 4	11.00 2	12.00 3	14.00 5	18.00 5	39.00 15	60.00 21	88.00 26	116.00 20
1943	11.00 5	12.00 6	16.00 9	20.00 12	22.00 9	33.00 11	46.00 12	62.00 12	213.00 37
1944	11.00 6	11.00 3	12.00 4	13.00 3	15.00 3	20.00 5	19.00 3	21.00 2	27.00 1
1945	22.00 19	23.00 22	25.00 23	31.00 32	35.00 26	50.00 26	72.00 33	167.00 40	151.00 28
1946	25.00 28	27.00 35	29.00 34	34.00 36	44.00 36	76.00 39	167.00 43	218.00 47	303.00 44
1947	25.00 29	25.00 25	25.00 24	26.00 23	29.00 19	37.00 14	46.00 13	118.00 33	172.00 32
1948	22.00 20	22.00 18	23.00 18	24.00 17	36.00 27	46.00 23	53.00 19	65.00 14	127.00 23
1949	18.00 14	19.00 14	21.00 14	22.00 13	24.00 12	54.00 27	66.00 27	147.00 38	168.00 31
1950	63.00 50	67.00 50	67.00 49	70.00 46	76.00 45	120.00 43	145.00 40	216.00 46	303.00 45
1951	56.00 48	62.00 48	69.00 50	80.00 49	112.00 47	163.00 48	188.00 46	176.00 41	358.00 48
1952	22.00 21	22.00 19	23.00 19	28.00 27	38.00 30	69.00 35	69.00 30	76.00 19	114.00 19
1953	10.00 2	11.00 4	12.00 5	14.00 4	20.00 7	22.00 6	27.00 6	34.00 6	67.00 7
1954	11.00 3	11.00 5	11.00 1	12.00 2	13.00 1	16.00 1	18.00 1	19.00 1	36.00 2
1955	13.00 8	13.00 7	13.00 6	15.00 6	23.00 10	55.00 30	48.00 15	83.00 25	126.00 22

## 03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	26.00 35	26.00 29	27.00 29	27.00 24	31.00 21	73.00 37	160.00 42	202.00 45	279.00 43
1957	21.00 17	21.00 16	22.00 15	23.00 15	27.00 14	34.00 12	51.00 16	56.00 11	77.00 9
1958	21.00 18	21.00 17	22.00 16	23.00 16	28.00 16	44.00 21	56.00 20	101.00 30	417.00 50
1959	87.00 53	89.00 53	101.00 53	111.00 53	125.00 48	223.00 52	277.00 52	342.00 51	447.00 52
1960	23.00 22	23.00 20	24.00 20	25.00 18	51.00 39	60.00 32	62.00 22	66.00 15	92.00 13
1961	17.00 12	17.00 12	17.00 10	18.00 10	24.00 11	26.00 7	34.00 8	38.00 8	65.00 6
1962	24.00 25	25.00 26	28.00 30	29.00 28	34.00 23	43.00 19	64.00 25	93.00 29	181.00 33
1963	19.00 15	20.00 15	22.00 17	25.00 19	34.00 24	54.00 28	70.00 31	68.00 16	75.00 8
1964	13.00 9	14.00 9	14.00 7	15.00 7	17.00 4	18.00 3	18.00 2	27.00 4	51.00 4
1965	9.60 1	10.00 1	11.00 2	11.00 1	14.00 2	17.00 2	20.00 4	23.00 3	79.00 10
1966	29.00 39	31.00 40	32.00 38	36.00 40	55.00 40	107.00 42	149.00 41	147.00 39	223.00 39
1967	24.00 26	25.00 27	25.00 25	31.00 33	36.00 28	42.00 18	62.00 23	64.00 13	94.00 14
1968	25.00 30	26.00 30	28.00 31	29.00 29	31.00 22	45.00 22	63.00 24	82.00 23	109.00 18
1969	25.00 31	26.00 31	26.00 26	28.00 25	29.00 20	32.00 10	47.00 14	91.00 28	147.00 25
1970	28.00 38	29.00 38	32.00 39	32.00 34	35.00 25	37.00 13	68.00 29	108.00 32	167.00 30
1971	50.00 44	52.00 44	55.00 43	61.00 43	71.00 43	148.00 47	173.00 44	190.00 43	242.00 40
1972	52.00 47	55.00 46	58.00 46	63.00 45	80.00 46	123.00 44	182.00 45	177.00 42	205.00 36
1973	25.00 32	26.00 32	26.00 27	30.00 30	41.00 33	56.00 31	77.00 35	79.00 20	129.00 24
1974	27.00 36	27.00 33	30.00 35	34.00 37	46.00 37	62.00 33	67.00 28	145.00 37	455.00 53
1975	51.00 45	55.00 47	67.00 47	77.00 48	131.00 50	170.00 49	221.00 49	232.00 49	334.00 47
1976	24.00 27	25.00 28	28.00 32	28.00 26	40.00 32	47.00 24	51.00 17	74.00 18	156.00 29
1977	30.00 40	31.00 39	33.00 40	35.00 38	38.00 31	55.00 29	76.00 34	105.00 31	97.00 15
1978	63.00 51	67.00 51	78.00 51	106.00 52	133.00 51	342.00 53	315.00 53	444.00 53	424.00 51
1979	73.00 52	75.00 52	83.00 52	95.00 51	128.00 49	137.00 45	242.00 50	369.00 52	373.00 49
1980	104.00 54	110.00 54	124.00 54	156.00 54	219.00 54	397.00 54	411.00 54	734.00 54	728.00 54
1981	26.00 33	27.00 34	29.00 33	31.00 31	43.00 35	62.00 34	70.00 32	83.00 24	89.00 12
1982	44.00 42	45.00 42	49.00 41	54.00 41	63.00 41	78.00 40	114.00 38	122.00 34	148.00 26
1983	51.00 46	53.00 45	57.00 45	61.00 44	72.00 44	148.00 46	249.00 51	235.00 50	306.00 46
1984	27.00 37	28.00 36	30.00 36	32.00 35	37.00 29	44.00 20	52.00 18	73.00 17	246.00 41
1985	49.00 43	50.00 43	55.00 44	56.00 42	69.00 42	81.00 41	99.00 37	124.00 36	204.00 35

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1932	9290.00 35	7070.00 33	6510.00 14	4120.00 12	3090.00 12	2120.00 18	1670.00 20	1400.00 20	1170.00 20
1933	13900.00 19	10600.00 14	6250.00 15	3780.00 19	3190.00 10	2570.00 5	2140.00 10	2180.00 3	1850.00 2
1934	3700.00 52	2650.00 52	1670.00 52	1020.00 52	792.00 52	519.00 52	378.00 52	363.00 52	278.00 52
1935	16600.00 10	11300.00 12	6210.00 16	3710.00 22	2610.00 22	1850.00 28	1630.00 22	1380.00 24	1010.00 35
1936	7100.00 46	4620.00 48	2970.00 47	2120.00 46	1520.00 49	992.00 50	789.00 50	664.00 50	482.00 51
1937	23200.00 4	18200.00 4	13700.00 1	10700.00 1	6540.00 1	3810.00 2	2680.00 2	2260.00 2	1690.00 5
1938	11800.00 23	7520.00 30	4300.00 35	2800.00 40	2240.00 31	1650.00 33	1410.00 34	1230.00 34	958.00 38
1939	8780.00 38	6720.00 34	4660.00 30	3330.00 28	2670.00 17	2220.00 12	2150.00 9	1740.00 12	1260.00 14
1940	11600.00 24	8250.00 22	4890.00 25	3100.00 35	1910.00 41	1170.00 48	1180.00 42	976.00 46	698.00 47
1941	2160.00 54	1570.00 54	981.00 53	637.00 53	431.00 53	291.00 54	267.00 54	256.00 54	219.00 54
1942	8770.00 39	5690.00 42	3300.00 45	1870.00 47	1620.00 47	1270.00 45	1100.00 47	1030.00 42	877.00 42
1943	18400.00 8	13000.00 8	7410.00 8	4680.00 9	2700.00 16	1680.00 32	1370.00 36	1220.00 35	1010.00 36
1944	8350.00 41	5610.00 43	3420.00 44	2180.00 45	1850.00 44	1470.00 41	1140.00 44	912.00 48	651.00 48
1945	20600.00 6	13200.00 7	10400.00 4	7970.00 2	5570.00 2	3540.00 3	2600.00 3	2170.00 4	1640.00 7
1946	10000.00 32	6210.00 40	3650.00 42	2910.00 39	1910.00 42	1530.00 37	1310.00 37	1280.00 32	1100.00 26
1947	7160.00 45	5220.00 44	3950.00 40	3180.00 32	2470.00 25	1810.00 30	1450.00 31	1200.00 37	1110.00 25
1948	17300.00 9	12900.00 9	6990.00 10	3900.00 17	3140.00 11	2200.00 13	1750.00 16	1370.00 25	980.00 37
1949	11400.00 25	7570.00 29	6720.00 13	4690.00 8	3400.00 7	2540.00 7	2440.00 4	2170.00 5	1710.00 3
1950	14900.00 16	10700.00 13	7380.00 9	7050.00 4	4730.00 3	4000.00 1	3110.00 1	2830.00 1	2120.00 1
1951	14300.00 17	9640.00 19	5600.00 21	3780.00 20	2440.00 26	2180.00 14	2200.00 6	2040.00 6	1710.00 4
1952	11200.00 27	7930.00 23	4410.00 33	3340.00 27	2380.00 28	1950.00 23	1780.00 14	1830.00 9	1410.00 10
1953	8070.00 44	5120.00 45	2900.00 49	1780.00 50	1260.00 50	1100.00 49	1040.00 48	988.00 43	819.00 44
1954	2880.00 53	1830.00 53	960.00 54	498.00 54	403.00 54	360.00 53	320.00 53	287.00 53	224.00 53
1955	8890.00 37	6650.00 37	4750.00 28	3740.00 21	2990.00 13	2080.00 19	1610.00 25	1370.00 26	1020.00 34
1956	9190.00 36	6710.00 35	4690.00 29	4080.00 13	3250.00 8	2350.00 10	1780.00 15	1500.00 16	1070.00 28
1957	15500.00 14	10300.00 15	6060.00 18	3360.00 26	2060.00 38	1900.00 26	1510.00 27	1400.00 21	1140.00 22
1958	11400.00 26	8700.00 21	4850.00 26	3410.00 25	2520.00 23	1990.00 22	1630.00 23	1310.00 31	1240.00 15
1959	25500.00 2	17800.00 5	9090.00 6	5100.00 7	3210.00 9	2170.00 16	1730.00 17	1400.00 22	1070.00 29
1960	15800.00 13	7600.00 27	3870.00 41	3450.00 24	2480.00 24	1360.00 43	993.00 49	985.00 44	921.00 40

## 03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	23700.00	3	18800.00	2	10300.00	5	5510.00	6	3680.00	6	2510.00	8	2330.00	5	1870.00	8	1330.00	12
1962	14900.00	15	11900.00	11	7640.00	7	4390.00	11	2800.00	15	2080.00	20	1720.00	19	1460.00	18	1070.00	30
1963	9750.00	33	6410.00	39	4160.00	38	3290.00	29	2650.00	18	1550.00	35	1120.00	45	887.00	49	648.00	49
1964	26000.00	1	20100.00	1	12700.00	2	7650.00	3	4210.00	5	2570.00	6	1810.00	13	1490.00	17	1030.00	33
1965	4440.00	50	3980.00	50	3040.00	46	1830.00	48	1730.00	46	1250.00	47	1110.00	46	977.00	45	728.00	46
1966	10200.00	31	6670.00	36	4530.00	31	3000.00	37	2210.00	33	1460.00	42	1480.00	30	1350.00	28	1060.00	31
1967	6640.00	48	5000.00	46	3500.00	43	2440.00	42	1760.00	45	1270.00	46	1180.00	43	1050.00	41	855.00	43
1968	8110.00	43	6110.00	41	4370.00	34	3130.00	34	2190.00	34	1480.00	40	1510.00	28	1220.00	36	1120.00	23
1969	12000.00	22	10300.00	16	5940.00	19	3970.00	15	2650.00	19	1820.00	29	1390.00	35	1250.00	33	1090.00	27
1970	9580.00	34	7100.00	32	4140.00	39	2910.00	38	2130.00	35	2030.00	21	1730.00	18	1510.00	15	1160.00	21
1971	11000.00	28	7830.00	24	4790.00	27	3200.00	31	2240.00	32	1490.00	39	1300.00	39	1110.00	39	942.00	39
1972	8310.00	42	7270.00	31	5380.00	22	4010.00	14	2420.00	27	1930.00	24	1630.00	24	1360.00	27	1050.00	32
1973	13600.00	20	7710.00	25	4520.00	32	3220.00	30	2300.00	30	2130.00	17	1660.00	21	1430.00	19	1380.00	11
1974	6650.00	47	4640.00	47	2950.00	48	2380.00	44	2010.00	40	1510.00	38	1490.00	29	1340.00	29	1120.00	24
1975	18900.00	7	13200.00	6	6970.00	11	3860.00	18	2620.00	21	2350.00	11	2160.00	7	1960.00	7	1550.00	9
1976	8510.00	40	6520.00	38	4220.00	36	2410.00	43	1890.00	43	1550.00	36	1300.00	40	1090.00	40	888.00	41
1977	5680.00	49	4230.00	49	2420.00	50	1790.00	49	1530.00	48	1310.00	44	1180.00	41	943.00	47	803.00	45
1978	13400.00	21	9920.00	18	6140.00	17	3600.00	23	2320.00	29	1570.00	34	1310.00	38	1380.00	23	1260.00	13
1979	16500.00	11	12300.00	10	6730.00	12	3900.00	16	2630.00	20	2380.00	9	1890.00	11	1780.00	10	1610.00	8
1980	10200.00	29	7670.00	26	5330.00	23	3060.00	36	2080.00	36	1680.00	31	1410.00	32	1180.00	38	1190.00	19
1981	4150.00	51	2970.00	51	1780.00	51	1320.00	51	1090.00	51	839.00	51	732.00	51	657.00	51	500.00	50
1982	14000.00	18	9560.00	20	4920.00	24	4580.00	10	2860.00	14	2180.00	15	1860.00	12	1590.00	13	1210.00	17
1983	22200.00	5	18200.00	3	11200.00	3	6370.00	5	4350.00	4	3000.00	4	2160.00	8	1760.00	11	1660.00	6
1984	10200.00	30	7580.00	28	4190.00	37	2700.00	41	2040.00	39	1900.00	25	1560.00	26	1340.00	30	1210.00	18
1985	16000.00	12	10300.00	17	5600.00	20	3170.00	33	2080.00	37	1870.00	27	1410.00	33	1540.00	14	1220.00	16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	653.00	28
1933	818.00	38
1934	529.00	20
1935	310.00	4
1936	445.00	14
1937	892.00	47
1938	579.00	25
1939	682.00	31
1940	439.00	13
1941	256.00	2
1942	376.00	8
1943	644.00	27
1944	291.00	3
1945	858.00	44
1946	736.00	35
1947	487.00	16
1948	689.00	32
1949	1080.00	52
1950	1120.00	54
1951	1080.00	53
1952	852.00	43
1953	364.00	6
1954	253.00	1
1955	534.00	21
1956	664.00	29
1957	367.00	7
1958	912.00	48
1959	824.00	40
1960	390.00	10
1961	557.00	24
1962	915.00	49
1963	380.00	9
1964	469.00	15
1965	435.00	12
1966	515.00	19
1967	512.00	18
1968	546.00	22
1969	700.00	34
1970	554.00	23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	713.00	18
1933	1020.00	4
1934	189.00	52
1935	544.00	40
1936	268.00	51
1937	986.00	5
1938	635.00	28
1939	696.00	21
1940	365.00	49
1941	140.00	54
1942	516.00	42
1943	589.00	34
1944	372.00	48
1945	891.00	9
1946	693.00	22
1947	652.00	25
1948	551.00	39
1949	1080.00	3
1950	1200.00	1
1951	924.00	7
1952	759.00	15
1953	454.00	45
1954	147.00	53
1955	599.00	31
1956	667.00	23
1957	619.00	29
1958	837.00	12
1959	608.00	30
1960	559.00	38
1961	706.00	20
1962	578.00	37
1963	375.00	47
1964	531.00	41
1965	450.00	46
1966	586.00	35
1967	483.00	44
1968	646.00	26
1969	638.00	27
1970	660.00	24

03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	768.00	36
1972	503.00	17
1973	784.00	37
1974	840.00	41
1975	879.00	45
1976	675.00	30
1977	403.00	11
1978	849.00	42
1979	891.00	46
1980	1060.00	51
1981	317.00	5
1982	699.00	33
1983	623.00	26
1984	966.00	50
1985	820.00	39

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	592.00	33
1972	578.00	36
1973	937.00	6
1974	709.00	19
1975	871.00	10
1976	595.00	32
1977	490.00	43
1978	855.00	11
1979	1140.00	2
1980	761.00	14
1981	306.00	50
1982	720.00	17
1983	923.00	8
1984	738.00	16
1985	768.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	*	*	*	*	*	*	642.00	189.00	174.00	236.00	188.00	253.00
1932	181.00	507.00	922.00	2776.0	1158.0	613.00	755.00	467.00	308.00	309.00	246.00	307.00
1933	146.00	538.00	1132.0	2678.0	1099.0	1819.0	2185.0	2163.0	214.00	112.00	55.90	107.00
1934	128.00	92.70	225.00	207.00	78.00	752.00	263.00	91.20	120.00	131.00	79.30	88.30
1935	46.40	22.90	58.00	385.00	208.00	2197.0	952.00	1569.0	648.00	201.00	115.00	73.00
1936	55.40	92.40	128.00	293.00	503.00	709.00	1126.0	150.00	41.00	57.80	33.50	51.60
1937	407.00	761.00	273.00	6290.0	1088.0	396.00	659.00	1299.0	247.00	85.90	224.00	42.50
1938	260.00	114.00	563.00	631.00	1053.0	1780.0	1111.0	572.00	245.00	515.00	610.00	177.00
1939	28.40	52.30	63.40	763.00	2185.0	1973.0	2050.0	268.00	489.00	348.00	203.00	64.30
1940	29.70	28.20	25.50	173.00	1098.0	558.00	1770.0	453.00	182.00	67.00	38.30	23.80
1941	18.60	45.20	74.40	210.00	141.00	70.80	421.00	94.00	261.00	213.00	88.50	50.80
1942	67.90	176.00	320.00	655.00	1061.0	1155.0	1106.0	453.00	816.00	304.00	87.10	43.10
1943	25.20	396.00	860.00	486.00	595.00	2549.0	680.00	723.00	414.00	218.00	67.30	24.00
1944	17.70	23.40	21.20	57.20	106.00	1132.0	1549.0	699.00	145.00	62.30	239.00	419.00
1945	66.40	52.90	191.00	667.00	1969.0	4299.0	1379.0	533.00	999.00	335.00	68.70	211.00
1946	420.00	485.00	599.00	830.00	1898.0	1197.0	361.00	1656.0	425.00	160.00	307.00	43.50
1947	33.30	169.00	532.00	1415.0	426.00	275.00	2422.0	966.00	893.00	467.00	174.00	56.10
1948	38.90	64.60	99.50	353.00	891.00	1882.0	2277.0	396.00	97.60	363.00	98.20	79.20
1949	38.50	1209.0	1267.0	3178.0	1699.0	2334.0	575.00	423.00	1545.0	233.00	386.00	130.00
1950	249.00	86.20	922.00	4504.0	3404.0	1084.0	1782.0	973.00	885.00	198.00	138.00	314.00
1951	117.00	1028.0	1095.0	2344.0	1990.0	2154.0	1609.0	375.00	179.00	109.00	61.10	105.00
1952	41.50	557.00	2066.0	1511.0	1633.0	1999.0	641.00	217.00	296.00	69.40	32.70	49.90
1953	21.70	33.30	193.00	1124.0	469.00	1214.0	815.00	1030.0	161.00	292.00	54.80	18.80
1954	14.60	21.80	24.10	123.00	170.00	303.00	384.00	189.00	181.00	44.80	71.20	249.00
1955	237.00	69.10	334.00	553.00	2155.0	2061.0	639.00	382.00	290.00	328.00	83.10	162.00
1956	515.00	589.00	230.00	350.00	3149.0	1374.0	639.00	640.00	334.00	143.00	88.50	75.20
1957	44.80	35.60	109.00	527.00	1284.0	560.00	1979.0	1771.0	745.00	286.00	106.00	55.10
1958	37.00	1337.0	2417.0	797.00	527.00	861.00	824.00	944.00	193.00	879.00	800.00	384.00
1959	195.00	258.00	563.00	2664.0	1288.0	889.00	626.00	437.00	206.00	69.50	57.40	70.90
1960	68.60	137.00	520.00	725.00	1004.0	779.00	477.00	253.00	1882.0	771.00	84.60	42.30
1961	24.40	39.30	55.70	162.00	603.00	2302.0	1368.0	2939.0	395.00	352.00	127.00	69.80
1962	49.20	140.00	616.00	1490.0	2019.0	1471.0	630.00	253.00	152.00	73.30	35.90	107.00
1963	69.70	104.00	110.00	216.00	200.00	2575.0	443.00	246.00	125.00	216.00	101.00	57.30
1964	18.00	20.00	17.60	112.00	151.00	4058.0	885.00	318.00	553.00	145.00	29.80	21.90
1965	14.30	28.40	281.00	583.00	1279.0	1153.0	902.00	248.00	85.80	302.00	57.00	541.00
1966	247.00	116.00	99.50	1389.0	1557.0	725.00	1546.0	1068.0	137.00	89.00	101.00	35.70
1967	48.70	161.00	671.00	383.00	554.00	1349.0	543.00	1583.0	192.00	91.00	146.00	42.00
1968	50.50	140.00	1308.0	539.00	646.00	1237.0	1463.0	1511.0	428.00	121.00	216.00	75.00
1969	29.70	98.30	1028.0	2032.0	1033.0	376.00	1127.0	905.00	358.00	412.00	189.00	78.30
1970	36.40	138.00	248.00	407.00	893.00	1876.0	2102.0	966.00	753.00	139.00	306.00	94.30
1971	223.00	408.00	581.00	745.00	2243.0	805.00	439.00	803.00	259.00	251.00	164.00	306.00
1972	162.00	96.80	487.00	669.00	1055.0	1349.0	2278.0	511.00	117.00	85.40	118.00	49.90
1973	61.90	913.00	1686.0	758.00	723.00	2113.0	2068.0	498.00	753.00	1312.0	285.00	56.90
1974	71.80	693.00	676.00	1587.0	700.00	1372.0	1462.0	567.00	663.00	172.00	214.00	336.00
1975	204.00	606.00	771.00	1332.0	1976.0	2333.0	2171.0	693.00	292.00	71.80	49.10	49.50
1976	182.00	315.00	873.00	1536.0	1489.0	431.00	266.00	288.00	1309.0	296.00	127.00	72.60
1977	118.00	163.00	97.70	40.30	579.00	1500.0	1050.0	583.00	344.00	396.00	801.00	208.00
1978	503.00	1041.0	1834.0	829.00	410.00	2120.0	715.00	1026.0	329.00	437.00	623.00	315.00
1979	152.00	753.00	1833.0	1557.0	1777.0	1218.0	2341.0	459.00	907.00	1655.0	539.00	505.00
1980	289.00	2057.0	1170.0	966.00	486.00	1412.0	1026.0	787.00	263.00	495.00	109.00	67.10
1981	80.70	96.20	119.00	62.60	350.00	363.00	773.00	794.00	585.00	155.00	119.00	191.00
1982	79.50	114.00	443.00	1975.0	1662.0	1553.0	1050.0	490.00	431.00	273.00	138.00	497.00
1983	198.00	739.00	1843.0	755.00	652.00	425.00	1850.0	4020.0	362.00	87.80	63.00	38.80
1984	459.00	930.00	1011.0	486.00	629.00	1618.0	1857.0	1138.0	174.00	336.00	128.00	87.30
1985	84.90	513.00	1454.0	986.00	1524.0	1603.0	1048.0	475.00	869.00	348.00	295.00	75.20

## 03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
36.80	68.00	117.00	376.00	521.00	745.00
FIFTIETH PERCENTILE					
69.10	140.00	526.00	735.00	1043.00	1349.00
SEVENTY FIFTH PERCENTILE					
196.00	565.00	1015.00	1495.00	1640.00	1980.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
639.00	375.00	181.00	109.00	68.70	49.90
FIFTIETH PERCENTILE					
1048.00	567.00	308.00	218.00	118.00	75.20
SEVENTY FIFTH PERCENTILE					
1770.00	973.00	648.00	348.00	216.00	208.00

## 03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN

LOCATION.--Lat 38°08'19", long 86°43'16", in SW¼NE¼ sec.27, T.4 S., R.3 W., Perry County, Hydrologic Unit 05140201, on left bank at downstream side of bridge on State Highway 145 at Bristow, 2.0 mi downstream from Coon Branch, 5.8 mi upstream from Sulphur Fork Creek, and at mile 14.1.

DRAINAGE AREA.--39.8 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1961 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 395.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years, 59.6 ft<sup>3</sup>/s, 20.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,360 ft<sup>3</sup>/s Mar. 9, 1964; maximum gage height, 19.33 ft Mar. 4, 1964; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 20.0 ft, from floodmark, discharge, 15,000 ft<sup>3</sup>/s, from rating curve extended above 7,000 ft<sup>3</sup>/s. This is the maximum flood since 1905, from information by local resident.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1962	62					20			8	6	7	3	10	3	14	11	13	10	12	36	26	38	34	18	13	8	5	1	2	1	2	2			
1963	3					16			9	14	15	13	11	12	9	26	32	35	32	48	26	14	13	13	6	5	4	1	3	2		3			
1964	145					4			5	16	9	6	9	17	16	13	17	11	11	11	12	19	7	8	9	8	1	3	2	3	1		1	2	
1965	102					2			2	1	6	17	8	17	18	15	10	6	19	15	30	27	27	16	10	8	6	1	2						
1966	33					25			7	8	3	5	31	33	16	37	16	12	8	16	21	24	18	15	11	7	2	5	2	3	5	2			
1967	35	3	6	6	5	2	7	11	11	10	12	4	9	8	10	10	11	21	18	45	28	25	16	11	10	8	11	2	1	3	4	2			
1968	29	2	4	3		4	3	3	7	6	6	4	6	13	12	11	23	25	26	17	19	26	32	27	13	11	11	8	5	6	4				
1969	12	1	1			5	6	4	7	11	13	7	2	8	8	11	13	19	10	47	38	35	20	22	18	12	6	7	7	7	8				
1970					3	5	5	11	14	13	11	21	7	18	13	8	4	13	13	34	20	27	27	31	25	13	13	7	4	3	1		1		
1971	3	2	1	2	2	1	1				3	4	7	11	6	7	8	21	24	55	48	31	34	39	22	11	10	7	4	1					
1972	16	1		1		4	1		3	1	39	15	14	5	9	2	2	3	20	27	30	34	38	32	23	13	8	6	12	3	4				
1973				2		1	1	11	2	5	10	10	22	15	7	15	6	10	18	21	25	28	39	30	38	15	9	11	12	2					
1974	14			1	1		1	7	6	7	4	6	10	11	6	3	22	14	16	24	25	37	34	32	26	20	13	13	9	3					
1975	10	1	1	2	3	1	3	4	8	11	6	12	9	5	8	12	6	28	14	11	12	21	30	47	32	19	11	11	21	3	3				
1976	30				2	2	1		3	5	10	9	7	8	9	9	12	15	26	28	34	47	34	23	13	15	8	11	3	2					
1977		1		1			1			1	1	5	6	7	10	18	53	45	16	28	24	33	23	43	21	10	7	5	5	1					
1978														18	17	18	18	15	15	27	50	49	29	28	26	17	16	12	9	1					
1979										1	5	13	8	8	10	13	14	13	22	32	45	38	26	18	11	15	21	39	11	1	1				
1980					3	1	2	1	4	11	8	5	2	3	30	12	12	14	42	31	46	39	30	20	12	13	11	12	2						
1981									6	6	10	4	3	11	25	22	34	41	28	19	36	38	26	20	17	9	3	5	1	1					
1982														16	19	17	15	52	22	26	35	34	38	20	16	10	9	11	19	5	1				
1983	48		3	1		1	1		4	4	5	4	5	6	14	11	21	14	8	11	19	31	35	24	24	14	14	10	21	8	4				
1984	27		1	7		2	6	2	1	5	3	13	19	9	23	16	14	10	11	18	25	34	40	31	16	17	10	5	1						
1985														4	22	20	13	22	29	39	43	29	35	33	25	18	7	10	10	6					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	569	8766	100.00	12	0.90	216	7368	84.05	24	80.0	473	1521	17.35
1	0.01	11	8197	93.51	13	1.3	266	7152	81.59	25	120.0	292	1048	11.96
2	0.02	13	8186	93.38	14	1.9	287	6886	78.55	26	170.0	221	756	8.62
3	0.03	22	8173	93.24	15	2.8	362	6599	75.28	27	250.0	194	535	6.10
4	0.05	24	8151	92.98	16	4.0	395	6237	71.15	28	360.0	209	341	3.89
5	0.07	28	8127	92.71	17	5.8	476	5842	66.64	29	520.0	80	132	1.51
6	0.10	100	8099	92.39	18	8.5	409	5366	61.21	30	760.0	38	52	0.59
7	0.14	61	7999	91.25	19	12.0	664	4957	56.55	31	1100.0	10	14	0.16
8	0.20	103	7938	90.55	20	18.0	667	4293	48.97	32	1600.0	2	4	0.05
9	0.29	131	7835	89.38	21	26.0	766	3626	41.36	33	2300.0	2	2	0.02
10	0.42	182	7704	87.89	22	38.0	700	2860	32.63	34				
11	0.62	154	7522	85.81	23	55.0	639	2160	24.64					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.01  
P90 = 0.24  
P75 = 2.9  
P70 = 4.5  
P50 = 17.2  
P25 = 54.2  
P10 = 149.0

## 03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	0.00 1	0.00 1	0.00 1	0.00 1	0.04 7	1.80 15	2.00 10	2.20 7	3.50 3
1964	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	0.14 2	1.10 1
1965	0.00 3	0.00 3	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	0.00 1	1.50 2
1966	0.00 4	0.00 4	0.00 4	0.00 4	0.00 3	1.40 14	2.00 11	4.40 14	5.40 6
1967	0.00 5	0.00 5	0.00 5	0.00 5	0.19 12	1.10 12	2.10 12	2.50 8	3.60 4
1968	0.00 6	0.00 6	0.00 6	0.00 6	0.00 4	0.02 3	2.10 13	2.70 9	5.50 7
1969	0.00 7	0.00 7	0.00 7	0.00 7	0.09 8	0.30 5	0.88 5	1.19 4	6.50 9
1970	0.13 17	0.16 17	0.23 17	0.35 16	0.46 16	0.73 10	12.00 18	19.00 20	26.00 19
1971	0.00 8	0.00 8	0.01 15	0.04 12	0.34 14	2.20 16	2.30 14	3.90 13	12.00 15
1972	0.44 18	0.51 18	0.65 18	2.00 21	3.30 21	6.80 19	8.60 17	13.00 17	17.00 17
1973	0.00 9	0.00 9	0.00 8	0.00 8	0.15 10	1.10 13	1.50 8	2.80 10	5.50 8
1974	0.00 10	0.00 10	0.00 9	0.16 14	0.22 13	0.60 9	0.88 6	1.40 5	11.00 12
1975	0.00 11	0.00 11	0.00 10	0.57 17	1.90 18	7.60 20	18.00 21	23.00 21	36.00 22
1976	0.00 12	0.00 12	0.00 11	0.05 13	0.15 11	0.51 6	0.83 4	1.80 6	7.50 10
1977	0.00 13	0.00 13	0.00 12	0.00 9	0.12 9	0.58 7	0.92 7	11.00 16	11.00 11
1978	0.70 21	0.76 21	1.19 21	1.80 20	2.20 20	19.00 22	18.00 22	25.00 22	31.00 21
1979	0.50 19	0.61 20	0.73 20	0.96 18	1.40 17	2.70 17	7.80 16	9.30 15	12.00 13
1980	3.10 23	3.60 23	3.90 23	6.10 23	13.00 23	30.00 23	48.00 23	86.00 23	80.00 23
1981	0.08 16	0.08 16	0.16 16	0.27 15	0.37 15	0.80 11	2.30 15	3.50 11	5.40 5
1982	0.51 20	0.54 19	0.71 19	1.70 19	2.10 19	2.70 18	14.00 19	14.00 18	17.00 18
1983	1.50 22	1.80 22	2.00 22	2.30 22	4.10 22	8.20 21	14.00 20	19.00 19	27.00 20
1984	0.00 14	0.00 14	0.00 13	0.00 10	0.02 6	0.05 4	0.28 3	1.10 3	12.00 14
1985	0.00 15	0.00 15	0.00 14	0.00 11	0.00 5	0.60 8	1.90 9	3.50 12	13.00 16

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	1490.00 5	1030.00 3	558.00 9	302.00 16	188.00 16	155.00 12	128.00 14	106.00 17	80.00 19
1963	1580.00 3	838.00 9	461.00 14	401.00 7	267.00 5	145.00 15	108.00 22	85.00 22	62.00 23
1964	4870.00 1	2570.00 1	1550.00 1	777.00 1	407.00 2	282.00 2	195.00 3	149.00 6	99.00 15
1965	580.00 21	493.00 19	310.00 22	166.00 24	158.00 20	115.00 23	100.00 23	90.00 21	65.00 21
1966	1550.00 4	898.00 5	575.00 6	353.00 10	238.00 9	137.00 17	144.00 9	131.00 10	96.00 16
1967	1400.00 7	1190.00 2	571.00 7	374.00 8	230.00 10	148.00 14	133.00 12	110.00 14	91.00 17
1968	917.00 11	562.00 15	516.00 11	311.00 15	179.00 17	126.00 21	127.00 16	109.00 15	112.00 8
1969	1070.00 8	892.00 6	660.00 4	422.00 6	266.00 6	184.00 9	142.00 10	135.00 8	118.00 5
1970	2030.00 2	943.00 4	557.00 10	322.00 12	218.00 12	186.00 8	152.00 7	131.00 9	104.00 11
1971	676.00 16	492.00 20	334.00 19	244.00 18	179.00 18	129.00 19	113.00 20	100.00 19	81.00 18
1972	974.00 10	878.00 7	721.00 3	579.00 3	322.00 3	239.00 4	192.00 5	165.00 4	125.00 4
1973	573.00 22	485.00 21	422.00 16	333.00 11	220.00 11	194.00 7	147.00 8	128.00 11	115.00 7
1974	615.00 19	538.00 16	394.00 18	206.00 20	156.00 23	128.00 20	122.00 17	113.00 13	100.00 14
1975	856.00 13	709.00 11	566.00 8	371.00 9	255.00 8	223.00 5	209.00 2	194.00 1	158.00 3
1976	585.00 20	448.00 22	330.00 20	184.00 23	158.00 21	139.00 16	119.00 18	98.00 20	75.00 20
1977	551.00 23	428.00 23	255.00 24	189.00 22	156.00 22	125.00 22	110.00 21	84.00 23	64.00 22
1978	714.00 15	524.00 17	445.00 15	287.00 17	197.00 15	130.00 18	115.00 19	105.00 18	103.00 12
1979	1430.00 6	807.00 10	624.00 5	461.00 4	287.00 4	245.00 3	194.00 4	180.00 3	163.00 2
1980	629.00 18	568.00 14	505.00 13	312.00 14	207.00 14	157.00 11	128.00 15	107.00 16	105.00 10
1981	750.00 14	510.00 18	277.00 23	203.00 21	129.00 24	91.00 24	76.00 24	70.00 24	51.00 24
1982	896.00 12	633.00 12	515.00 12	439.00 5	256.00 7	206.00 6	181.00 6	164.00 5	117.00 6
1983	1030.00 9	852.00 8	773.00 2	635.00 2	455.00 1	304.00 1	224.00 1	183.00 2	171.00 1
1984	549.00 24	406.00 24	323.00 21	237.00 19	179.00 19	154.00 13	133.00 13	115.00 12	102.00 13
1985	670.00 17	573.00 13	415.00 17	315.00 13	212.00 13	159.00 10	134.00 11	138.00 7	110.00 9

## ANDERSON RIVER BASIN

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	34.00	3
1964	42.00	6
1965	41.00	5
1966	36.00	4
1967	49.00	7
1968	59.00	10
1969	63.00	13
1970	64.00	15
1971	63.00	14
1972	50.00	8
1973	71.00	18
1974	59.00	11
1975	90.00	22
1976	58.00	9
1977	33.00	2
1978	65.00	16
1979	72.00	19
1980	115.00	23
1981	24.00	1
1982	72.00	20
1983	61.00	12
1984	89.00	21
1985	67.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	42.00	21
1963	35.00	22
1964	50.00	15
1965	35.00	23
1966	49.00	16
1967	48.00	17
1968	61.00	12
1969	73.00	4
1970	58.00	13
1971	48.00	18
1972	67.00	6
1973	63.00	10
1974	65.00	7
1975	84.00	3
1976	46.00	19
1977	43.00	20
1978	64.00	9
1979	122.00	1
1980	61.00	11
1981	32.00	24
1982	72.00	5
1983	92.00	2
1984	56.00	14

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	*	*	*	*	*	*	*	*	*	*	*	2.18
1962	0.01	2.74	41.60	117.00	171.00	84.30	35.60	35.20	14.00	3.42	0.20	4.66
1963	1.87	8.61	12.70	14.10	15.50	261.00	19.60	32.60	8.72	32.10	3.30	0.77
1964	0.01	0.00	0.00	2.78	7.86	393.00	155.00	24.30	2.70	7.32	0.09	0.00
1965	0.00	0.00	31.20	59.40	123.00	98.50	76.70	9.03	3.72	12.30	0.01	14.60
1966	1.76	1.76	2.89	121.00	152.00	46.80	199.00	66.70	1.87	1.48	6.20	1.69
1967	1.30	10.80	99.10	19.90	37.80	147.00	63.70	175.00	9.84	1.34	6.91	0.00
1968	2.91	21.40	165.00	75.10	82.80	101.00	101.00	131.00	49.60	0.38	1.80	2.23
1969	0.29	14.00	122.00	202.00	84.60	47.10	142.00	101.00	17.50	106.00	35.50	4.77
1970	0.55	42.90	41.70	44.70	78.70	151.00	212.00	62.90	52.80	2.07	4.83	0.66
1971	13.20	40.50	54.90	77.50	182.00	64.40	48.60	45.00	17.10	9.40	4.29	31.30
1972	24.90	16.30	68.70	76.00	114.00	141.00	312.00	45.80	2.42	0.59	8.89	0.19
1973	2.40	30.00	128.00	67.80	54.40	205.00	173.00	53.10	30.60	6.32	2.49	1.48
1974	0.86	91.40	65.60	134.00	48.90	107.00	122.00	56.60	77.70	11.50	16.40	49.40
1975	17.40	82.90	85.20	141.00	195.00	230.00	190.00	58.80	11.60	1.49	0.36	0.95
1976	13.10	35.80	91.80	145.00	110.00	42.90	24.90	21.70	61.30	7.73	0.15	1.07
1977	45.60	12.30	6.45	4.04	56.40	154.00	93.10	29.20	24.50	22.80	39.50	27.00
1978	63.70	85.50	152.00	46.70	27.40	169.00	82.70	86.30	9.53	6.90	20.50	7.58
1979	2.88	51.30	166.00	144.00	157.00	132.00	243.00	38.20	190.00	141.00	162.00	45.70
1980	16.40	194.00	113.00	71.50	44.90	122.00	86.10	47.50	16.10	18.30	4.14	0.48
1981	5.29	7.50	11.70	3.75	48.70	46.60	59.20	119.00	22.80	13.60	17.30	28.10
1982	3.24	16.40	66.60	223.00	116.00	171.00	106.00	9.83	11.70	44.70	11.50	78.80
1983	7.78	69.80	191.00	84.10	55.00	58.60	187.00	405.00	34.70	2.00	0.09	0.14
1984	11.40	84.40	74.30	28.10	62.50	174.00	129.00	89.00	6.72	4.08	0.81	5.72
1985	10.70	70.60	160.00	77.50	148.00	109.00	95.30	28.10	38.90	25.60	17.50	5.45



## 03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.97	9.16	33.80	32.20	48.70	69.40
FIFTIETH PERCENTILE					
3.07	25.70	71.50	75.50	80.70	127.00
SEVENTY FIFTH PERCENTILE					
13.20	70.40	127.00	131.00	142.00	171.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
66.90	30.00	8.92	2.02	0.47	0.72
FIFTIETH PERCENTILE					
104.00	50.30	16.60	7.52	4.56	2.23
SEVENTY FIFTH PERCENTILE					
184.00	88.30	37.80	21.69	17.10	20.80

## 03303400 CROOKED CREEK NEAR SANTA CLAUS, IN

LOCATION.--Lat 38°07'05", long 86°53'24", in SW¼SE¼ sec.31, T.4 S., R.4 W., Spencer County, Hydrologic Unit 05140201, on right bank at upstream side of bridge on county road, 1.3 mi east of Santa Claus Post Office, and 1.8 mi upstream from unnamed right-bank tributary.

DRAINAGE AREA.--7.86 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 404.34 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 11.5 ft<sup>3</sup>/s, 19.87 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft<sup>3</sup>/s Apr. 28, 1970, gage height, 9.74 ft, from rating curve extended above 450 ft<sup>3</sup>/s on basis of two indirect measurements of peak flow at site 1.6 mi downstream, drainage area, 16.0 mi, adjusted to gage site; no flow many days most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34												
1970	57	7	4	4	7	3	6	15	7	7	10	7	NUMBER OF DAYS IN CLASS																																		
1971	24	2	11	6	2	14	10	9	9	12	11	10	10	6	21	22	38	34	16	24	17	14	14	8	4	4	4	6	2	4	1																
1972	47	4	2	7	3	8	22	20	24	13	15	5	7	12	9	13	20	30	24	16	19	9	8	9	4	5	1	1	4	2	3																
1973	71	5	4	3	2	7	5	2	1	3	2	6	10	23	15	15	18	26	21	24	20	18	18	10	12	4	9	6	2	1	2																
1974	109	1	2	2				5	7	8	3	3	7	12	20	13	21	20	18	17	25	12	18	6	15	9	4	4	2	1		1															
1975	47	1	4	6	2	10	8	8	13	10	5	8	12	12	11	8	16	20	16	28	21	22	22	15	13	6	7	4	3	3	2	1			1												
1976	50	5	4	3	1	4	2	7	6	7	15	21	28	12	16	20	21	28	18	14	19	16	15	13	4	2	2	3	5	4	1																
1977	37	15	7	8	6	10	7	24	19	22	18	24	20	11	16	10	6	13	9	12	13	12	14	11	3	8	3	2		3	1			1													
1978	1	5	4	2	2	8	2	8	12	12	15	10	7	14	17	25	45	41	29	19	21	19	15	11	3	10	2	2	4																		
1979	1	1	1	1	3	6	6	3	8	9	18	21	17	13	22	22	27	40	24	18	13	17	17	13	9	6	10	6	7	3	2			1													
1980				6	3	15	20	6	5	8	4	5	4	13	16	42	32	15	23	23	27	26	24	16	10	9	6	1	5		2																
1981	11		6	5	1	10	24	17	19	17	25	28	24	19	23	20	22	19	15	13	10	10	12	8	3	1	2	1																			
1982					7	7	2	6	9	22	28	25	29	34	23	20	32	22	22	19	15	15	6	5	5	5	8	1		2				1													
1983	79						2		5	8	9	20	20	13	13	20	25	27	19	20	17	19	15	8	7	5	2	3	4	4			1														
1984	93					3		4	5	10	4	7	16	10	9	20	14	26	24	24	19	16	15	18	11	8	3	4	2	1																	
1985	10	2	5	10	4	18	22	7	6	9	10	16	13	32	27	12	13	16	13	26	18	14	27	9	8	3	4	1	6	1	2	1															

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	637	5844	100.00	12	0.57	238	3898	66.70	24	32.0	116	426	7.29
1	0.01	48	5207	89.10	13	0.79	246	3660	62.63	25	45.0	93	310	5.30
2	0.02	60	5159	88.28	14	1.1	306	3414	58.42	26	63.0	69	217	3.71
3	0.03	60	5099	87.25	15	1.6	280	3108	53.18	27	88.0	48	148	2.53
4	0.04	48	5039	86.23	16	2.2	330	2828	48.39	28	120.0	45	100	1.71
5	0.05	128	4991	85.40	17	3.0	434	2498	42.74	29	170.0	28	55	0.94
6	0.08	127	4863	83.21	18	4.3	319	2064	35.32	30	240.0	18	27	0.46
7	0.11	138	4736	81.04	19	6.0	320	1745	29.86	31	340.0	3	9	0.15
8	0.15	150	4598	78.68	20	8.3	303	1425	24.38	32	470.0	5	6	0.10
9	0.21	157	4448	76.11	21	12.0	257	1122	19.20	33	660.0	1	1	0.02
10	0.29	186	4291	73.43	22	16.0	265	865	14.80	34				
11	0.40	207	4105	70.24	23	23.0	174	600	10.27					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.00
P90 =	0.01
P75 =	0.24
P70 =	0.41
P50 =	2.0
P25 =	8.0
P10 =	23.8

## CROOKED CREEK BASIN

107

03303400 CROOKED CREEK NEAR SANTA CLAUS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.17 8	0.65 6	0.80 7	2.30 10
1972	0.00 2	0.00 2	0.00 2	0.00 2	0.05 8	0.36 9	0.73 9	1.40 9	1.19 4
1973	0.00 3	0.00 3	0.00 3	0.00 3	0.00 2	0.06 4	0.14 4	0.25 3	0.40 1
1974	0.00 4	0.00 4	0.00 4	0.00 4	0.00 3	0.02 2	0.02 1	0.23 2	1.50 5
1975	0.00 5	0.00 5	0.00 5	0.00 5	0.00 4	0.16 7	2.60 14	3.40 13	6.30 13
1976	0.00 6	0.00 6	0.00 6	0.00 6	0.06 10	0.36 10	0.67 8	0.70 6	2.10 9
1977	0.00 7	0.00 7	0.00 7	0.00 7	0.00 5	0.03 3	0.08 3	0.59 5	0.69 3
1978	0.00 8	0.00 8	0.00 8	0.01 11	0.05 9	2.60 14	2.30 13	4.90 14	7.10 14
1979	0.00 9	0.00 9	0.02 12	0.20 14	0.41 13	1.00 12	1.40 10	1.60 10	2.00 8
1980	0.00 10	0.01 13	0.06 13	0.19 13	0.66 14	4.30 15	5.60 15	11.00 15	11.00 15
1981	0.00 11	0.00 10	0.00 9	0.00 8	0.11 11	0.13 6	0.16 5	0.30 4	0.48 2
1982	0.02 14	0.05 14	0.07 14	0.08 12	0.16 12	0.38 11	1.80 11	2.70 12	2.50 11
1983	0.17 15	0.18 15	0.21 15	0.26 15	0.71 15	1.50 13	1.90 12	2.00 11	3.80 12
1984	0.00 12	0.00 11	0.00 10	0.00 9	0.00 6	0.00 1	0.03 2	0.12 1	1.90 7
1985	0.00 13	0.00 12	0.00 11	0.00 10	0.00 7	0.08 5	0.66 7	0.93 8	1.70 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	650.00 3	255.00 6	133.00 6	66.00 8	43.00 7	40.00 4	33.00 3	27.00 4	22.00 5
1971	185.00 14	96.00 15	63.00 15	50.00 11	33.00 13	25.00 12	23.00 12	19.00 12	15.00 13
1972	301.00 10	272.00 4	170.00 3	101.00 2	52.00 3	42.00 3	31.00 4	27.00 5	19.00 7
1973	316.00 9	151.00 10	96.00 8	63.00 9	42.00 8	38.00 5	30.00 5	26.00 6	23.00 3
1974	396.00 8	177.00 9	82.00 12	48.00 12	27.00 15	20.00 14	20.00 13	19.00 13	17.00 10
1975	833.00 1	315.00 3	147.00 4	76.00 6	68.00 2	51.00 1	45.00 1	41.00 1	33.00 1
1976	246.00 11	143.00 11	93.00 9	48.00 13	39.00 10	31.00 9	27.00 7	24.00 7	18.00 8
1977	500.00 6	210.00 7	142.00 5	82.00 5	50.00 5	34.00 7	27.00 8	20.00 11	17.00 11
1978	161.00 15	114.00 13	75.00 14	42.00 15	34.00 12	20.00 15	16.00 15	16.00 14	14.00 15
1979	658.00 2	347.00 2	192.00 2	94.00 3	51.00 4	35.00 6	27.00 9	24.00 8	22.00 4
1980	189.00 13	141.00 12	85.00 11	45.00 14	29.00 14	22.00 13	17.00 14	15.00 15	15.00 14
1981	91.00 16	65.00 16	34.00 16	23.00 16	14.00 16	10.00 16	8.60 16	8.60 16	6.20 16
1982	550.00 5	267.00 5	120.00 7	83.00 4	47.00 6	31.00 10	26.00 10	23.00 9	16.00 12
1983	576.00 4	368.00 1	211.00 1	109.00 1	77.00 1	51.00 2	39.00 2	32.00 2	30.00 2
1984	235.00 12	102.00 14	76.00 13	53.00 10	37.00 11	30.00 11	25.00 11	21.00 10	18.00 9
1985	462.00 7	183.00 8	89.00 10	66.00 7	42.00 9	33.00 8	28.00 6	27.00 3	21.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	12.00 9
1972	6.50 2
1973	13.00 12
1974	10.00 6
1975	18.00 15
1976	12.00 10
1977	7.40 3
1978	11.00 7
1979	11.00 8
1980	15.00 13
1981	4.10 1
1982	9.70 4
1983	9.70 5
1984	15.00 14
1985	13.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	12.00 5
1971	8.50 15
1972	9.70 10
1973	12.00 6
1974	11.00 7
1975	17.00 1
1976	11.00 8
1977	9.60 11
1978	8.70 14
1979	17.00 2
1980	9.10 13
1981	4.00 16
1982	9.60 12
1983	16.00 3
1984	10.00 9
1985	12.00 4

## CROOKED CREEK BASIN

03303400 CROOKED CREEK NEAR SANTA CLAUS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	0.56	16.50	9.99	8.66	18.70	35.20	43.30	3.96	4.34	1.71	0.53	0.00
1971	5.80	7.86	13.70	16.10	34.40	8.94	6.34	3.93	1.39	0.19	3.49	1.38
1972	0.59	0.53	10.50	8.33	21.00	20.80	52.00	2.44	0.08	0.62	0.04	0.38
1973	0.03	3.52	28.10	14.90	12.20	39.30	35.10	8.96	2.87	3.21	0.79	0.01
1974	0.04	10.90	10.30	25.20	5.69	22.10	13.80	20.20	7.06	0.00	7.07	6.28
1975	1.08	16.80	19.00	31.60	46.90	51.90	32.80	5.64	2.67	0.57	0.17	1.70
1976	3.35	20.00	23.00	25.90	26.50	6.55	2.27	3.83	16.80	0.70	0.00	0.20
1977	2.26	1.07	0.51	0.06	21.60	40.00	14.10	4.18	4.51	2.24	19.40	5.62
1978	9.36	15.50	22.00	3.89	3.20	24.40	11.00	7.62	0.58	2.81	2.73	1.07
1979	1.31	11.80	23.60	19.30	25.10	22.20	25.60	4.95	7.73	47.50	10.40	8.11
1980	3.14	28.80	14.40	7.97	6.62	16.30	13.70	6.50	5.27	6.06	0.61	0.24
1981	0.19	0.81	0.81	0.35	9.24	5.65	5.79	13.70	0.85	1.71	5.37	4.35
1982	0.40	3.46	8.57	43.70	10.40	17.00	11.70	1.45	3.38	1.04	2.93	11.60
1983	2.97	10.90	37.70	8.95	12.20	11.30	60.70	40.10	5.33	0.07	0.00	0.07
1984	3.49	11.80	13.60	3.92	10.20	36.20	23.20	12.20	1.37	1.76	0.15	1.86
1985	0.74	11.50	31.90	11.80	36.60	26.50	8.09	3.09	16.00	0.60	2.78	0.13

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.44	3.47	10.10	4.93	9.48	12.50
FIFTIETH PERCENTILE					
1.19	11.20	14.10	10.40	15.40	22.10
SEVENTY FIFTH PERCENTILE					
3.30	16.19	23.40	23.69	26.10	35.90
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
8.82	3.85	1.37	0.58	0.16	0.15
FIFTIETH PERCENTILE					
14.00	5.29	3.86	1.37	1.76	1.22
SEVENTY FIFTH PERCENTILE					
34.50	11.40	6.63	2.67	4.90	5.30

## 03304000 LITTLE PIGEON CREEK NEAR TENNYSON, IN

LOCATION.--Lat 38°02'45", long 87°07'05", in NE¼ sec.31, T.5 S., R.6 W., Warrick County, Hydrologic Unit 05140201, on upstream side of single span steel arch bridge on county highway, 2.5 mi south of Tennyson, and 1.0 mi south of State Highway 62. Little Pigeon Creek forms county line between Warrick and Spencer Counties.

DRAINAGE AREA.--187 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1947 (discontinued).

GAGE.--Wire-weight gage read twice daily. Datum of gage above National Geodetic Vertical Datum of 1929 not established.

REMARKS.--Station subject to backwater due to high stages on the Ohio River. Poor stage-discharge relationship.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,020 ft<sup>3</sup>/s Mar. 7, 1945, gage height, 25.00 ft; no flow many days most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1944	125	36		25	13	11	8	9	5	9	6	6	5	3	7	6	3	2	6	10	7	7	7	4	7	7	6	6	7	4	5	2	2		
1945	50	24		6	2	3	4	6	7	3	10	8	11	10	13	10	12	7	11	18	10	11	17	21	10	13	8	9	6	13	12	7	9	2	2
1946	17	3		4		2	2	2	3	1	7	11	16	17	18	12	15	6	18	15	19	19	25	14	16	20	16	20	9	10	20	6	2		
1947	61	4		2	3	2	2	16	5	5	5	10	1	11	13	13	13	16	25	21	8	11	8	14	11	12	14	17	15	16	6	5			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	253	1461	100.00	12	3.3	33	918	62.83	24	150.0	44	352	24.09
1	0.10	67	1208	82.68	13	4.5	41	885	60.57	25	200.0	52	308	21.08
2	0.14	0	1141	78.10	14	6.2	51	844	57.77	26	280.0	44	256	17.52
3	0.19	37	1141	78.10	15	8.5	41	793	54.28	27	380.0	52	212	14.51
4	0.26	18	1104	75.56	16	12.0	43	752	51.47	28	530.0	37	160	10.95
5	0.36	18	1086	74.33	17	16.0	31	709	48.53	29	720.0	43	123	8.42
6	0.49	16	1068	73.10	18	22.0	60	678	46.41	30	990.0	43	80	5.48
7	0.67	33	1052	72.01	19	30.0	64	618	42.30	31	1400.0	20	37	2.53
8	0.92	20	1019	69.75	20	42.0	44	554	37.92	32	1900.0	13	17	1.16
9	1.3	18	999	68.38	21	57.0	48	510	34.91	33	2600.0	2	4	0.27
10	1.7	28	981	67.15	22	78.0	57	462	31.62	34	3500.0	2	2	0.14
11	2.4	35	953	65.23	23	110.0	53	405	27.72					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.03
P90 =	0.06
P75 =	0.30
P70 =	0.89
P50 =	14.0
P25 =	140.0
P10 =	602.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.03 1	0.40 1	1.80 1	3.60 1
1946	0.00 2	0.00 2	0.03 3	0.80 3	4.70 3	25.00 3	24.00 3	78.00 3	124.00 3
1947	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	0.08 2	0.57 2	23.00 2	29.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	2300.00 3	2050.00 2	1560.00 2	891.00 4	703.00 2	455.00 4	339.00 4	255.00 4	167.00 4
1945	3920.00 1	3560.00 1	2970.00 1	2410.00 1	1720.00 1	1150.00 1	801.00 1	652.00 1	461.00 1
1946	2340.00 2	2020.00 3	1450.00 3	1120.00 2	627.00 4	563.00 2	414.00 2	375.00 2	342.00 2
1947	1780.00 4	1640.00 4	1280.00 4	894.00 3	668.00 3	457.00 3	362.00 3	338.00 3	301.00 3

## LITTLE PIGEON CREEK BASIN

03304000 LITTLE PIGEON CREEK NEAR TENNYSON, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	219.00	2
1946	235.00	3
1947	148.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	85.00	4
1945	252.00	1
1946	222.00	2
1947	168.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	0.00	0.11	0.01	2.70	16.50	362.00	531.00	94.00	0.30	0.33	5.74	10.90
1945	4.36	0.02	10.10	90.50	500.00	1398.0	477.00	80.20	239.00	36.50	16.50	197.00
1946	259.00	210.00	231.00	303.00	661.00	152.00	34.00	565.00	168.00	23.50	87.70	0.17
1947	0.03	40.80	182.00	496.00	49.90	103.00	645.00	216.00	124.00	139.00	7.63	0.03

## 03322100 PIGEON CREEK AT EVANSVILLE, IN

LOCATION.--Lat 38°00'14", long 87°32'19", in NE¼NW¼ sec.16, T.6 S., R.10 W., Vanderburgh County, Hydrologic Unit 05140202, on left bank in the median strip of old U.S. Highway 41, between two steel truss bridges, at Evansville, and at mile 6.0.

DRAINAGE AREA.--323 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1960 to July 1985 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 352.24 ft above National Geodetic Vertical Datum of 1929. Nonrecording auxiliary gage at site 1.2 miles upstream at same datum. Prior to October 1, 1968, water-stage recorder, and October 1, 1968, to September 30, 1971, nonrecording gage used at site 1.2 mi upstream, as base gage, and present base gage was used as auxiliary gage.

REMARKS.--Backwater or reverse flow from the Ohio River generally occurs when the stage of the Ohio River at Evansville (Sta. 03322000) exceeds a gage height of about 24 ft.

AVERAGE DISCHARGE.--24 years, 368 ft<sup>3</sup>/s, 15.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft<sup>3</sup>/s May 10, 1961, gage height, 27.94 ft; minimum daily (unaffected by backwater), 1.0 ft<sup>3</sup>/s Aug. 30 to Sept. 1, Oct. 11, 12, 21, 22, 26, 1964; zero or reverse flow occurs at times due to extreme stages on the Ohio River.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1962	9		3	3	6	9	8	11	16	19	32	12	21	20	21	13	18	9	14	18	10	14	18	11	5	10	13	10	3	5	2	2			
1963			5	19	17	5	9	11	29	20	33	21	31	33	20	15	22	10	9	7	3	1	4	2	6	4	11	7	3	7	1				
1964	2	4	6	39	51	34	23	28	17	28	16	13	10	6	11	8	10	4	10	5	3	3	2	3	2	10	8	1	2	1	1	1	4		
1965	2	5		26	7	18	13	30	12	23	21	17	16	16	11	11	16	9	16	18	11	11	12	10	17	7	4	1	3	2					
1966	10			4	8	6	58	45	18	32	16	15	15	23	5	13	9	12	9	10	12	7	8	8	13	4	1	4							
1967	2			2	11	10	7	7	17	29	19	21	22	34	33	21	16	16	15	19	8	8	10	9	13	6	6	3	1						
1968							2	16	10	14	17	28	33	28	27	15	16	11	19	12	11	13	11	14	14	16	18	17	4						
1969							2	4	8	31	25	15	34	21	22	14	18	21	24	13	14	13	12	15	18	20	4	9	3	2	3				
1970									13	23	42	16	13	13	28	14	11	22	26	24	21	16	15	14	16	13	14	4	4			3			
1971						1	1	7	4	5	8	17	25	46	32	39	24	22	30	25	21	17	11	13	5	8	4								
1972			2	5	5	13	20	14	14	43	18	14	16	17	27	21	25	30	18	20	11	5	4	4	4	4	4	2	3	1	6				
1973			11	2	7	21	16	11	9	4	8	6	11	29	14	19	33	19	22	29	17	24	17	14	12	5	3	2							
1974			1	1	5	6	13	20	23	9	33	15	19	24	20	28	23	13	14	17	14	10	16	19	15	2	5								
1975							3	7	12	16	17	29	16	19	15	19	19	29	24	14	28	19	14	20	10	7	13	6	5	4					
1976						1	12	4	12	15	27	18	28	21	19	30	36	25	23	19	14	12	11	5	13	6	14		1						
1977	4					4	11	19	31	22	43	13	17	7	15	24	16	20	19	20	16	12	9	12	11	10	2	3	5						
1978	2					10	2	12	5	17	11	13	20	31	37	23	21	33	19	20	16	8	17	16	13	6	7	3	2	1					
1979	8					1	12	8	6	7	6	6	14	17	16	22	17	16	23	9	10	17	21	23	26	23	17	14	15	8	3				
1980	13								13	9	17	18	42	23	19	25	17	23	22	20	10	11	13	12	18	15	11	7	6	2					
1981	16					1	10	25	36	41	37	41	22	19	17	6	8	18	7	7	16	6	7	7	3	2	7	2	3	1					
1982	1					4	8	20	22	18	23	27	30	21	17	14	18	21	16	18	11	7	19	13	11	7	5	3	7	4					
1983			2	5	3	1	1	22	12	12	9	15	24	18	20	8	20	18	18	22	14	9	11	10	9	11	15	18	12	7	8	7	3	1	
1984	6					4	15	21	20	32	26	24	16	13	16	14	18	20	13	10	14	13	17	11	18	9	12	4							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	75	8401	100.00	12	23.0	414	6100	72.61	24	670.0	276	1337	15.91
1	1.0	9	8326	99.11	13	30.0	525	5686	67.68	25	890.0	293	1061	12.63
2	1.3	16	8317	99.00	14	40.0	457	5161	61.43	26	1200.0	264	768	9.14
3	1.8	92	8301	98.81	15	53.0	421	4704	55.99	27	1600.0	190	504	6.00
4	2.3	92	8209	97.71	16	70.0	485	4283	50.98	28	2100.0	137	314	3.74
5	3.1	103	8117	96.62	17	93.0	361	3798	45.21	29	2800.0	90	177	2.11
6	4.1	85	8014	95.39	18	120.0	411	3437	40.91	30	3700.0	44	87	1.04
7	5.5	251	7929	94.38	19	160.0	487	3026	36.02	31	4900.0	35	43	0.51
8	7.3	281	7678	91.39	20	220.0	341	2539	30.22	32	6500.0	7	8	0.10
9	9.6	362	7397	88.05	21	290.0	300	2198	26.16	33	8600.0	1	1	0.01
10	13.0	438	7035	83.74	22	380.0	315	1898	22.59	34	11000.0	0	0	0.00
11	17.0	497	6597	78.53	23	510.0	246	1583	18.84					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.6  
P90 = 8.3  
P75 = 20.6  
P70 = 26.7  
P50 = 73.9  
P25 = 319.0  
P10 = 1120.0

## 03322100 PIGEON CREEK AT EVANSVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1962	-197.00 2	1.50 9	2.50 8	3.50 4	6.30 4	8.00 4	11.00 4	22.00 4	53.00 8
1963	-302.00 1	-272.00 1	-35.00 1	3.60 5	10.00 9	18.00 11	20.00 9	52.00 13	44.00 6
1964	1.10 13	1.30 8	1.60 5	1.90 3	2.10 2	2.60 1	3.90 1	4.50 2	7.10 1
1965	0.00 3	1.00 7	1.60 6	1.70 2	1.90 1	3.40 2	3.90 2	4.40 1	17.00 2
1966	0.00 4	0.00 2	0.00 2	4.20 6	5.30 3	6.10 3	11.00 3	40.00 8	48.00 7
1967	0.00 5	3.30 11	3.70 10	4.70 8	12.00 12	14.00 8	18.00 7	20.00 3	34.00 4
1968	9.50 22	10.00 22	10.00 18	12.00 17	13.00 15	26.00 15	84.00 19	106.00 20	212.00 22
1969	6.70 17	7.30 16	8.40 15	12.00 18	18.00 17	32.00 18	42.00 15	64.00 14	117.00 16
1970	10.00 23	12.00 24	15.00 24	16.00 21	20.00 20	56.00 20	112.00 21	133.00 22	170.00 20
1971	8.60 20	8.80 18	10.00 19	11.00 15	19.00 18	26.00 16	30.00 12	43.00 10	73.00 10
1972	5.10 16	6.80 15	9.00 16	18.00 22	20.00 19	29.00 17	70.00 17	98.00 18	134.00 18
1973	2.40 14	3.50 12	3.60 9	4.30 7	6.80 6	12.00 6	33.00 13	67.00 15	71.00 9
1974	3.20 15	4.50 13	5.70 11	7.20 11	9.60 8	20.00 13	19.00 8	43.00 11	126.00 17
1975	10.00 24	11.00 23	13.00 23	15.00 19	27.00 22	67.00 22	120.00 22	128.00 21	211.00 21
1976	7.80 18	9.90 21	12.00 21	24.00 24	32.00 23	59.00 21	80.00 18	72.00 16	104.00 15
1977	0.00 6	3.00 10	6.10 12	7.70 12	8.10 7	12.00 7	15.00 6	34.00 7	34.00 5
1978	9.10 21	9.60 20	13.00 22	19.00 23	32.00 24	118.00 24	155.00 23	229.00 23	251.00 23
1979	0.00 7	5.70 14	6.30 13	7.10 10	13.00 16	22.00 14	36.00 14	42.00 9	77.00 11
1980	0.00 8	0.00 3	0.00 3	0.00 1	12.00 13	95.00 23	247.00 24	451.00 24	417.00 24
1981	0.00 9	0.00 4	0.00 4	9.90 14	11.00 10	18.00 12	29.00 11	32.00 6	30.00 3
1982	0.00 10	0.00 5	7.50 14	8.90 13	11.00 11	16.00 9	50.00 16	88.00 17	101.00 14
1983	8.10 19	9.00 19	10.00 20	16.00 20	26.00 21	50.00 19	102.00 20	103.00 19	138.00 19
1984	0.00 11	0.00 6	2.20 7	4.80 9	6.70 5	8.30 5	14.00 5	28.00 5	85.00 12
1985	0.00 12	7.70 17	9.00 17	12.00 16	13.00 14	16.00 10	27.00 10	49.00 12	99.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	5440.00 9	5080.00 9	3930.00 8	2470.00 9	1780.00 9	1280.00 9	1080.00 6	872.00 7	626.00 10
1963	3830.00 14	3470.00 13	3000.00 13	2340.00 11	2080.00 5	1150.00 11	801.00 14	633.00 16	436.00 16
1964	7970.00 2	7550.00 2	5920.00 2	3610.00 4	2120.00 4	1290.00 8	876.00 11	668.00 14	447.00 15
1965	3660.00 15	3270.00 15	2570.00 18	1410.00 19	1040.00 17	730.00 18	615.00 18	496.00 18	340.00 21
1966	2430.00 22	2360.00 21	1900.00 21	924.00 22	648.00 22	440.00 22	427.00 22	408.00 21	302.00 22
1967	2870.00 21	2750.00 20	2170.00 20	1290.00 20	784.00 20	450.00 21	469.00 21	393.00 22	359.00 20
1968	3580.00 16	3460.00 14	2910.00 14	1830.00 15	1470.00 13	930.00 15	875.00 12	819.00 9	716.00 6
1969	5770.00 7	5520.00 7	4420.00 7	2860.00 8	2020.00 6	1310.00 7	1010.00 8	841.00 8	691.00 9
1970	5700.00 8	5370.00 8	3670.00 11	2190.00 13	1410.00 14	1330.00 6	1050.00 7	918.00 6	734.00 5
1971	1970.00 23	1670.00 23	1440.00 23	764.00 23	459.00 23	382.00 23	365.00 23	315.00 23	293.00 23
1972	6340.00 3	5680.00 5	5400.00 3	3600.00 5	1940.00 7	1240.00 10	935.00 9	731.00 11	528.00 14
1973	4040.00 13	3120.00 17	2880.00 15	1630.00 16	1240.00 16	1110.00 12	887.00 10	775.00 10	693.00 8
1974	3100.00 19	3080.00 18	2180.00 19	1430.00 18	946.00 19	736.00 17	761.00 15	695.00 13	619.00 12
1975	6000.00 4	5830.00 3	4910.00 4	2920.00 7	1670.00 10	1490.00 4	1340.00 3	1210.00 3	980.00 3
1976	2870.00 20	2160.00 22	1780.00 22	1020.00 21	738.00 21	566.00 20	493.00 20	424.00 20	376.00 19
1977	3430.00 17	3150.00 16	2610.00 16	1510.00 17	997.00 18	699.00 19	608.00 19	483.00 19	435.00 17
1978	5370.00 10	4440.00 10	3710.00 10	2450.00 10	1670.00 11	1010.00 14	816.00 13	707.00 12	625.00 11
1979	5950.00 6	5680.00 4	4910.00 5	3910.00 3	2410.00 3	2230.00 1	1690.00 1	1420.00 1	1140.00 2
1980	4220.00 12	3650.00 12	3200.00 12	1960.00 14	1250.00 15	874.00 16	633.00 17	641.00 15	614.00 13
1981	5190.00 11	4280.00 11	3740.00 9	2950.00 6	1780.00 8	1020.00 13	712.00 16	592.00 17	432.00 18
1982	5960.00 5	5630.00 6	4780.00 6	4070.00 2	2630.00 2	1670.00 3	1320.00 4	1100.00 4	776.00 4
1983	8640.00 1	8070.00 1	7010.00 1	4330.00 1	3040.00 1	2180.00 2	1650.00 2	1330.00 2	1280.00 1
1984	3360.00 18	2890.00 19	2570.00 17	2280.00 12	1660.00 12	1410.00 5	1130.00 5	936.00 5	700.00 7



## 03322100 PIGEON CREEK AT EVANSVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1962	620.00	23
1963	258.00	8
1964	214.00	7
1965	170.00	3
1966	154.00	1
1967	175.00	4
1968	437.00	16
1969	431.00	15
1970	362.00	11
1971	322.00	9
1972	209.00	6
1973	425.00	14
1974	400.00	12
1975	530.00	20
1976	349.00	10
1977	185.00	5
1978	457.00	17
1979	487.00	19
1980	639.00	24
1981	166.00	2
1982	557.00	21
1983	403.00	13
1984	613.00	22
1985	473.00	18

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	338.00	13
1963	232.00	18
1964	227.00	19
1965	195.00	22
1966	166.00	23
1967	223.00	20
1968	454.00	4
1969	431.00	6
1970	420.00	8
1971	220.00	21
1972	296.00	14
1973	428.00	7
1974	374.00	12
1975	546.00	3
1976	252.00	16
1977	259.00	15
1978	386.00	10
1979	763.00	1
1980	407.00	9
1981	241.00	17
1982	441.00	5
1983	705.00	2
1984	384.00	11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	*	32.10	43.90	62.50	392.00	914.00	714.00	3081.0	221.00	29.80	45.60	9.85
1962	6.87	39.30	255.00	868.00	870.00	1273.0	280.00	235.00	52.10	33.10	20.90	151.00
1963	26.60	23.60	91.00	117.00	50.60	1980.0	243.00	99.50	27.40	68.10	8.47	5.68
1964	2.18	6.03	6.81	17.40	4.86	2051.0	451.00	54.60	44.30	45.30	5.06	5.53
1965	1.90	5.43	50.10	149.00	807.00	483.00	578.00	26.30	45.50	73.50	15.60	166.00
1966	16.80	6.54	9.10	176.00	518.00	254.00	429.00	438.00	33.20	80.70	32.10	24.50
1967	11.50	21.00	298.00	102.00	144.00	477.00	97.90	572.00	89.50	743.00	73.10	13.90
1968	178.00	213.00	1382.0	345.00	778.00	733.00	734.00	317.00	529.00	68.60	119.00	65.00
1969	42.90	141.00	700.00	1212.0	1021.0	271.00	511.00	367.00	251.00	422.00	91.90	177.00
1970	62.70	312.00	194.00	308.00	449.00	1204.0	1211.0	577.00	630.00	40.20	37.00	30.20
1971	74.90	110.00	205.00	316.00	448.00	217.00	182.00	185.00	336.00	102.00	59.10	435.00
1972	51.10	20.20	166.00	153.00	326.00	511.00	1918.0	111.00	66.00	164.00	81.40	17.30
1973	9.72	361.00	621.00	483.00	331.00	954.00	1042.0	572.00	433.00	214.00	99.30	15.00
1974	24.80	231.00	373.00	855.00	203.00	717.00	688.00	392.00	568.00	27.70	212.00	184.00
1975	82.10	492.00	496.00	814.00	1148.0	1313.0	1451.0	460.00	112.00	49.50	134.00	55.00
1976	119.00	215.00	353.00	517.00	584.00	174.00	55.70	324.00	553.00	71.80	13.90	59.60
1977	75.00	32.90	15.80	10.60	184.00	825.00	549.00	292.00	240.00	160.00	531.00	187.00
1978	313.00	418.00	876.00	112.00	144.00	1613.0	342.00	419.00	64.20	186.00	32.50	72.20
1979	20.30	144.00	735.00	881.00	1351.0	1644.0	1795.0	405.00	395.00	934.00	724.00	163.00
1980	31.60	1148.0	571.00	149.00	653.00	732.00	464.00	289.00	247.00	554.00	27.10	38.00
1981	34.50	53.70	23.00	14.70	104.00	137.00	169.00	1491.0	414.00	85.60	279.00	66.40
1982	19.60	68.10	275.00	1359.0	1698.0	816.00	396.00	96.60	223.00	43.00	78.60	312.00
1983	116.00	277.00	2071.0	434.00	240.00	516.00	1541.0	2742.0	387.00	51.50	10.10	6.71
1984	69.50	241.00	246.00	146.00	313.00	1579.0	1178.0	548.00	94.80	40.00	16.50	139.00
1985	111.00	418.00	942.00	545.00	1062.0	636.00	929.00	358.00	284.00	89.40	*	*

## PIGEON CREEK BASIN

03322100 PIGEON CREEK AT EVANSVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
17.50	27.80	70.50	115.00	194.00	480.00
FIFTIETH PERCENTILE					
38.70	141.00	275.00	308.00	448.00	733.00
SEVENTY FIFTH PERCENTILE					
80.30	295.00	661.00	680.00	839.00	1293.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
311.00	210.00	65.10	44.10	17.60	15.60
FIFTIETH PERCENTILE					
549.00	367.00	240.00	73.50	52.30	62.30
SEVENTY FIFTH PERCENTILE					
1110.00	560.00	405.00	175.00	114.00	165.00

## 03322500 WABASH RIVER NEAR NEW CORYDON, IN

LOCATION.--Lat 40°33'50", long 84°48'10", in NE¼SE¼ sec.3, T.24 N., R.15 E., Jay County, Hydrologic Unit 05120101, on left bank 10 ft downstream from county bridge on Indiana-Ohio State line road, 2 mi east of New Corydon, 2.8 mi downstream from Beaver Creek, and at mile 466.0.

DRAINAGE AREA.--262 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1951 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 830.10 ft above National Geodetic Vertical Datum of 1929. Prior to June 24, 1953, nonrecording gage at same site and datum.

REMARKS.--Occasional regulation by Grand Lake, diversion from or into St. Marys River basin, and into Miami and Erie Canal.

AVERAGE DISCHARGE.--34 years, 202 ft<sup>3</sup>/s, 10.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,720 ft<sup>3</sup>/s Jan. 22, 1959; gage height, 20.47 ft, from floodmarks; minimum daily, 0.8 ft<sup>3</sup>/s Dec. 22, 23, 1963.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1952					2	4	2	11	10	10	7	13	64	24	9	8	7	14	15	6	9	20	38	32	17	14	13	4	7	2		4				
1953									1	17	21	61	35	13	19	29	15	14	21	20	21	21	14	12	10	8	3	6	2		1	1				
1954		6		3		9	2	22	50	88	33	31	27	14	19	15	13	7	6	2	7	2	1	3	2	2	1									
1955								7	17	33	29	38	35	36	17	18	22	20	15	10	11	17	7	11	6	4	8	3		1						
1956								4	11	9	41	31	21	25	42	26	15	14	14	7	8	13	20	26	14	8	9	4	4							
1957								33	22	16	14	17	9	10	13	30	9	12	17	12	16	15	38	25	11	8	10	7	6	6	5	3	1			
1958											4	13	15	13	14	24	27	16	19	19	27	51	60	17	12	7	6	5	6	3	4	2	1			
1959								5	15	19	45	20	20	27	14	18	12	13	15	23	11	9	24	20	22	8	7	3	5	2	2	4			2	
1960								16	23	13	29	34	39	26	42	21	20	16	13	15	13	16	6	10	2	2	2	5	3							
1961					14	3	23	22	36	37	20	17	9	10	10	15	14	13	12	13	11	17	19	14	4	7	5	7	7	5	1					
1962						1	9	18	44	37	32	19	19	23	25	18	15	22	4	8	29	13	5	5	4	5	5	2	1		1	1				
1963						4	16	38	39	46	46	30	28	16	19	12	8	10	15	9	8	1	2	5	3	2	4	1	1		1	1				
1964		8	1		2	6	14	39	44	48	42	37	17	9	8	9	12	4	6	6	9	4	8	6	2	4	6	2	5	1	4	1	1	1		
1965						6	13	54	68	43	38	25	12	9	10	6	7	6	4	4	8	6	13	7	5	7	4	2	4	2	2					
1966					1	2	6	22	61	48	28	35	34	25	10	18	16	7	16	8	6	5	5	3	6	2		1								
1967						4	6	25	39	13	18	31	21	26	20	18	15	12	9	7	14	17	16	16	6	7	6	9	3	4	3					
1968							1	6	24	29	28	18	24	34	22	20	14	10	6	45	18	15	10	10	3	8	6	3	3	7	1	1				
1969									23	17	32	9	7	20	29	27	37	38	13	33	27	14	12	4	10	3	1	2	3	2	2					
1970								6	38	10	16	12	12	15	9	13	22	34	60	46	27	10	7	8	3	7	2	5	1	1	1					
1971								3	26	47	36	28	23	23	28	18	15	31	19	12	13	10	8	6	3	4	5		4	3						
1972								5	22	33	26	10	4	9	12	14	26	22	26	32	40	19	25	11	7	5	3	8	3	4						
1973								1	4	2	1		1	5	6	15	16	33	21	21	18	21	47	42	36	32	13	8	5	7	8	2				
1974								4	19	45	16	22	20	19	17	18	13	11	10	22	20	23	22	20	9	8	7	7	3	5	2	2	1			
1975									25	16	34	15	20	25	31	24	17	13	8	15	26	23	25	8	12	9	7	7	3	1	1					
1976								1	4	25	36	51	42	26	22	16	8	9	14	19	27	20	9	7	7	8	4	1	4	1	3	2				
1977						41	28	68	66	30	19	8	15	16	10	7	12	10	4	7	7	3	4	4	3	2		1								
1978						4	12	7	29	29	17	17	46	16	11	15	12	11	19	30	13	16	12	11	5	7	5	6	2	4	9					
1979						2	9	14	14	4	33	19	12	14	26	30	32	35	27	25	17	8	7	9	9	10	3	2	2	1	1					
1980									1	9	13	8	16	13	10	21	27	34	28	45	38	32	17	9	15	5	7	11	3	2	2					
1981								3	42	23	17	33	23	30	32	25	17	16	12	8	6	15	16	10	9	15	1	8	2		1	1				
1982								14	9	11	28	18	10	9	6	5	25	34	30	11	27	23	15	22	17	10	10	10	10	6	5					
1983								13	37	24	29	14	14	20	16	15	26	31	41	20	22	13	9	5	6	1	3	3	1	1	1					
1984								5	3	12	24	25	19	22	11	18	10	16	29	16	19	27	29	23	14	10	11	6	11	2	4					
1985									10	22	26	23	17	17	20	24	46	27	14	6	9	35	25	12	9	7	4	4	2	2		2	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	12419	100.00	12	17.0	696	8487	68.34	24	470.0	326	1284	10.34
1	0.80	14	12419	100.00	13	22.0	615	7791	62.73	25	610.0	247	958	7.71
2	1.1	1	12405	99.89	14	29.0	605	7176	57.78	26	810.0	219	711	5.73
3	1.4	4	12404	99.88	15	39.0	634	6571	52.91	27	1100.0	131	492	3.96
4	1.8	20	12400	99.85	16	51.0	580	5937	47.81	28	1400.0	156	361	2.91
5	2.4	38	12380	99.69	17	67.0	617	5357	43.14	29	1900.0	78	205	1.65
6	3.2	144	12342	99.38	18	88.0	618	4740	38.17	30	2400.0	69	127	1.02
7	4.2	402	12198	98.22	19	120.0	493	4122	33.19	31	3200.0	44	58	0.47
8	5.6	641	11796	94.98	20	150.0	622	3629	29.22	32	4300.0	10	14	0.11
9	7.3	972	11155	89.82	21	200.0	628	3007	24.21	33	5600.0	2	4	0.03
10	9.7	834	10183	82.00	22	270.0	612	2379	19.16	34	7400.0	2	2	0.02
11	13.0	862	9349	75.28	23	350.0	483	1767	14.23					

## 03322500 WABASH RIVER NEAR NEW CORYDON, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.6  
 P90 = 7.2  
 P75 = 13.2  
 P70 = 16.0  
 P50 = 45.9  
 P25 = 192.0  
 P10 = 488.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1952	2.20 5	2.30 4	2.80 4	3.10 4	4.40 7	5.50 5	6.10 4	8.30 6	16.00 9
1953	13.00 33	14.00 33	14.00 33	15.00 33	15.00 30	20.00 28	35.00 28	45.00 28	48.00 24
1954	5.00 18	5.40 18	5.60 17	6.20 15	7.20 16	8.10 12	8.50 11	8.60 7	11.00 6
1955	1.00 2	1.00 2	1.10 2	1.70 1	3.30 1	8.10 13	10.00 15	13.00 15	32.00 16
1956	4.50 14	5.00 15	5.30 15	5.60 13	6.60 12	9.60 17	17.00 19	26.00 22	41.00 20
1957	5.00 19	5.00 16	5.00 12	5.10 10	5.30 10	5.80 6	6.60 6	8.90 8	21.00 11
1958	8.40 29	9.10 30	11.00 30	14.00 32	20.00 32	86.00 33	96.00 33	119.00 33	249.00 34
1959	11.00 32	11.00 32	11.00 31	12.00 31	28.00 33	73.00 32	80.00 32	89.00 31	132.00 31
1960	5.50 23	5.50 19	5.80 19	6.40 16	7.70 19	8.80 16	10.00 16	15.00 17	29.00 14
1961	2.00 4	2.00 3	2.00 3	2.00 3	4.00 5	4.30 2	5.20 3	6.00 3	7.30 2
1962	4.40 12	4.90 13	5.60 18	7.30 21	16.00 31	19.00 27	31.00 27	37.00 27	57.00 25
1963	2.90 8	3.30 9	4.70 11	5.50 12	6.90 14	10.00 18	10.00 17	11.00 13	12.00 7
1964	0.80 1	0.83 1	0.87 1	1.80 2	3.50 2	4.80 3	5.10 2	5.00 1	6.80 1
1965	2.60 7	2.80 5	3.30 6	3.80 7	4.30 6	6.00 7	6.20 5	6.40 4	8.50 4
1966	2.40 6	2.80 6	3.00 5	3.20 5	3.80 4	4.90 4	7.20 8	8.00 5	8.70 5
1967	1.40 3	2.80 7	3.70 8	4.20 8	5.20 9	6.30 8	7.10 7	9.70 11	20.00 10
1968	4.80 15	5.50 20	6.10 21	6.70 18	7.20 17	8.40 14	9.30 14	13.00 16	22.00 12
1969	6.60 25	7.30 26	8.00 26	8.50 26	9.80 24	12.00 21	18.00 20	31.00 24	64.00 27
1970	7.50 28	7.80 28	8.10 27	9.10 27	11.00 25	25.00 29	44.00 30	57.00 29	98.00 29
1971	5.00 20	5.50 21	6.00 20	6.90 20	8.00 20	8.50 15	8.60 12	8.90 9	13.00 8
1972	5.30 21	6.00 22	6.80 22	7.40 22	9.20 23	15.00 23	23.00 23	22.00 19	41.00 21
1973	8.80 30	9.50 31	11.00 32	11.00 29	13.00 29	46.00 31	73.00 31	101.00 32	229.00 33
1974	4.80 16	5.00 14	5.50 16	6.70 19	6.90 15	11.00 19	42.00 29	84.00 30	109.00 30
1975	7.00 27	7.10 25	7.50 23	8.00 24	8.40 21	16.00 24	25.00 24	22.00 20	32.00 17
1976	5.50 22	6.20 23	7.60 25	8.20 25	11.00 26	25.00 30	28.00 26	31.00 25	40.00 18
1977	3.20 9	3.20 8	3.40 7	3.40 6	3.50 3	4.20 1	4.80 1	5.90 2	7.80 3
1978	4.00 11	4.10 11	4.60 10	6.00 14	7.70 18	11.00 20	11.00 18	11.00 12	23.00 13
1979	3.80 10	4.00 10	4.10 9	4.40 9	4.90 8	6.30 9	7.60 9	9.60 10	31.00 15
1980	29.00 34	31.00 34	37.00 34	46.00 34	65.00 34	104.00 34	125.00 34	164.00 34	162.00 32
1981	6.40 24	6.70 24	7.50 24	7.90 23	8.80 22	14.00 22	22.00 22	22.00 21	42.00 23
1982	8.90 31	9.00 29	9.90 29	11.00 30	11.00 27	16.00 25	25.00 25	36.00 26	81.00 28
1983	4.50 13	5.10 17	5.20 13	5.30 11	6.30 11	6.90 10	8.50 10	12.00 14	41.00 22
1984	4.90 17	4.90 12	5.20 14	6.40 17	6.70 13	7.30 11	8.80 13	17.00 18	40.00 19
1985	6.90 26	7.60 27	9.10 28	10.00 28	12.00 28	16.00 26	18.00 21	28.00 23	60.00 26

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1952	3810.00 16	3210.00 10	1850.00 14	1350.00 11	1030.00 13	837.00 9	745.00 6	665.00 5	519.00 6
1953	3630.00 19	1970.00 25	971.00 29	756.00 27	584.00 27	405.00 28	372.00 26	334.00 26	296.00 23
1954	968.00 33	698.00 33	369.00 33	224.00 33	179.00 33	121.00 33	94.00 33	80.00 34	61.00 34
1955	2360.00 29	1440.00 30	842.00 31	628.00 30	402.00 31	310.00 31	299.00 29	257.00 29	190.00 30
1956	1890.00 31	1410.00 31	870.00 30	687.00 29	601.00 26	569.00 21	420.00 23	360.00 23	269.00 24
1957	4720.00 5	3360.00 8	2510.00 6	1600.00 7	1340.00 4	948.00 4	800.00 2	736.00 2	578.00 3
1958	5400.00 4	4200.00 4	3390.00 2	2090.00 2	1230.00 6	794.00 11	598.00 15	483.00 16	368.00 17
1959	7790.00 1	6210.00 1	3420.00 1	1960.00 3	1530.00 2	1060.00 1	760.00 4	719.00 3	524.00 5
1960	2190.00 30	1450.00 29	1160.00 27	719.00 28	561.00 28	368.00 29	322.00 27	291.00 27	211.00 28
1961	2700.00 25	2310.00 23	1730.00 20	1330.00 13	878.00 17	768.00 13	632.00 13	509.00 13	369.00 16
1962	4500.00 8	2530.00 22	1390.00 26	823.00 26	691.00 24	605.00 20	496.00 19	384.00 19	266.00 25
1963	4700.00 6	3110.00 12	1760.00 18	1110.00 21	681.00 25	411.00 27	286.00 30	222.00 31	153.00 31
1964	5850.00 3	4580.00 3	2720.00 5	1580.00 8	1290.00 5	918.00 6	655.00 10	496.00 15	330.00 18
1965	2460.00 27	1660.00 28	1460.00 25	954.00 24	698.00 22	559.00 22	448.00 21	345.00 24	230.00 26
1966	911.00 34	596.00 34	360.00 34	195.00 34	147.00 34	87.00 34	82.00 34	85.00 33	68.00 33
1967	3800.00 17	3260.00 9	2280.00 8	1180.00 19	1040.00 11	700.00 14	646.00 11	566.00 10	484.00 8
1968	4560.00 7	3390.00 7	2220.00 9	1270.00 17	898.00 15	673.00 16	602.00 14	513.00 12	437.00 11
1969	3400.00 20	2690.00 19	1610.00 23	1180.00 18	766.00 20	528.00 24	403.00 25	367.00 22	302.00 22
1970	3240.00 21	2540.00 21	1470.00 24	835.00 25	556.00 29	436.00 26	435.00 22	381.00 21	314.00 19

## 03322500 WABASH RIVER NEAR NEW CORYDON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	2390.00	28	1950.00	26	1680.00	21	1010.00	22	698.00	23	460.00	25	318.00	28	286.00	28	212.00	27
1972	3020.00	22	2730.00	17	1800.00	16	1280.00	15	896.00	16	612.00	19	466.00	20	383.00	20	376.00	15
1973	3780.00	18	2870.00	15	1860.00	13	1720.00	5	1150.00	7	942.00	5	784.00	3	689.00	4	704.00	1
1974	4490.00	9	3500.00	6	2470.00	7	1660.00	6	1080.00	8	835.00	10	709.00	7	641.00	7	465.00	9
1975	4300.00	11	2940.00	14	1830.00	15	1170.00	20	853.00	18	692.00	15	634.00	12	616.00	8	442.00	10
1976	4140.00	12	2690.00	18	1770.00	17	1340.00	12	947.00	14	672.00	17	551.00	16	457.00	18	314.00	20
1977	1490.00	32	958.00	32	667.00	32	462.00	32	320.00	32	235.00	32	172.00	32	132.00	32	91.00	32
1978	4000.00	15	3780.00	5	3050.00	4	2340.00	1	1590.00	1	1020.00	3	745.00	5	657.00	6	538.00	4
1979	4020.00	14	3080.00	13	1950.00	12	1300.00	14	738.00	21	556.00	23	406.00	24	344.00	25	304.00	21
1980	4110.00	13	2810.00	16	1730.00	19	988.00	23	842.00	19	625.00	18	519.00	18	471.00	17	434.00	12
1981	4480.00	10	3150.00	11	2040.00	11	1410.00	10	1070.00	10	867.00	8	671.00	9	535.00	11	395.00	13
1982	2770.00	24	2620.00	20	2200.00	10	1560.00	9	1400.00	3	1040.00	2	877.00	1	766.00	1	581.00	2
1983	2510.00	26	1920.00	27	1100.00	28	598.00	31	509.00	30	335.00	30	247.00	31	226.00	30	200.00	29
1984	3000.00	23	2260.00	24	1680.00	22	1270.00	16	1030.00	12	894.00	7	696.00	8	575.00	9	498.00	7
1985	6400.00	2	5210.00	2	3100.00	3	1760.00	4	1080.00	9	770.00	12	539.00	17	501.00	14	386.00	14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	254.00	26
1953	185.00	17
1954	64.00	2
1955	112.00	7
1956	141.00	12
1957	114.00	8
1958	390.00	31
1959	390.00	32
1960	179.00	16
1961	106.00	6
1962	247.00	25
1963	77.00	4
1964	68.00	3
1965	177.00	15
1966	85.00	5
1967	190.00	19
1968	257.00	27
1969	195.00	21
1970	189.00	18
1971	147.00	13
1972	126.00	9
1973	494.00	34
1974	317.00	30
1975	245.00	24
1976	193.00	20
1977	51.00	1
1978	212.00	22
1979	177.00	14
1980	295.00	29
1981	139.00	11
1982	408.00	33
1983	132.00	10
1984	226.00	23
1985	286.00	28

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1952	281.00	8
1953	163.00	24
1954	35.00	34
1955	113.00	30
1956	173.00	21
1957	319.00	2
1958	314.00	3
1959	284.00	7
1960	133.00	26
1961	193.00	17
1962	145.00	25
1963	82.00	31
1964	169.00	23
1965	119.00	27
1966	39.00	33
1967	258.00	10
1968	247.00	12
1969	189.00	18
1970	187.00	19
1971	116.00	28
1972	249.00	11
1973	447.00	1
1974	246.00	13
1975	240.00	14
1976	171.00	22
1977	52.00	32
1978	289.00	6
1979	184.00	20
1980	304.00	5
1981	210.00	16
1982	312.00	4
1983	114.00	29
1984	279.00	9
1985	214.00	15

## 03322500 WABASH RIVER NEAR NEW CORYDON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	*	*	*	*	*	*	277.00	179.00	37.00	17.60	5.98	6.92
1952	5.86	24.70	391.00	868.00	547.00	692.00	445.00	167.00	34.10	20.80	63.10	114.00
1953	17.00	47.70	235.00	283.00	246.00	546.00	109.00	347.00	73.10	21.30	16.60	9.89
1954	7.55	9.53	9.26	32.30	44.20	79.90	140.00	29.80	41.70	7.10	20.20	3.36
1955	101.00	59.80	112.00	239.00	259.00	344.00	98.60	29.40	44.50	31.10	11.60	38.30
1956	118.00	275.00	34.50	40.10	509.00	486.00	258.00	158.00	148.00	47.30	17.00	8.48
1957	5.32	7.91	69.30	222.00	298.00	141.00	1328.0	552.00	504.00	532.00	26.10	163.00
1958	116.00	194.00	715.00	310.00	133.00	97.90	190.00	135.00	1161.0	349.00	257.00	102.00
1959	105.00	101.00	46.60	982.00	814.00	472.00	428.00	423.00	33.90	14.70	9.25	9.12
1960	39.00	69.20	174.00	298.00	435.00	224.00	69.30	66.50	65.20	141.00	17.10	7.36
1961	7.89	8.10	5.13	5.20	192.00	689.00	792.00	240.00	141.00	43.60	143.00	51.60
1962	62.40	21.80	19.00	520.00	435.00	511.00	55.50	52.70	30.70	21.00	9.60	10.80
1963	12.30	13.00	8.34	18.40	30.10	652.00	143.00	36.70	23.80	24.40	7.00	4.24
1964	5.40	6.57	3.96	14.80	9.31	525.00	1275.0	145.00	18.20	13.70	13.20	8.04
1965	4.72	7.96	6.76	22.70	221.00	411.00	696.00	39.60	12.10	7.80	5.56	9.05
1966	19.80	4.08	5.99	54.90	109.00	65.70	50.10	114.00	19.50	15.10	6.69	7.90
1967	9.80	99.10	595.00	151.00	229.00	968.00	383.00	539.00	49.10	30.00	10.80	7.48
1968	9.57	26.80	868.00	439.00	468.00	243.00	123.00	453.00	204.00	34.80	75.20	11.80
1969	11.60	106.00	286.00	600.00	307.00	128.00	258.00	218.00	141.00	152.00	19.90	44.60
1970	123.00	215.00	165.00	303.00	330.00	308.00	455.00	189.00	102.00	45.50	13.10	9.07
1971	8.01	9.42	17.60	22.40	646.00	297.00	43.90	130.00	163.00	40.40	21.10	38.80
1972	20.80	9.36	448.00	277.00	120.00	195.00	851.00	350.00	116.00	134.00	14.30	460.00
1973	312.00	1144.0	727.00	466.00	409.00	959.00	515.00	113.00	325.00	80.90	237.00	78.10
1974	8.47	103.00	475.00	921.00	483.00	468.00	310.00	61.50	42.10	22.40	18.60	49.00
1975	9.18	51.30	493.00	554.00	788.00	575.00	197.00	77.70	83.60	20.90	46.10	23.90
1976	42.60	30.30	232.00	455.00	778.00	350.00	32.60	25.20	72.50	26.00	15.70	10.60
1977	9.25	7.12	5.36	3.62	181.00	234.00	79.00	35.10	13.10	9.40	13.70	47.90
1978	43.10	13.60	804.00	161.00	69.30	1216.0	707.00	247.00	55.40	104.00	12.70	5.88
1979	7.09	14.20	45.80	159.00	167.00	599.00	384.00	134.00	108.00	256.00	250.00	72.40
1980	146.00	558.00	368.00	260.00	251.00	749.00	413.00	93.30	569.00	85.90	143.00	15.00
1981	17.40	40.20	22.50	19.20	232.00	44.20	214.00	696.00	1003.0	187.00	39.50	17.80
1982	23.90	65.60	168.00	584.00	774.00	1145.0	516.00	198.00	221.00	53.60	11.80	7.17
1983	6.86	57.10	190.00	117.00	164.00	57.30	310.00	349.00	57.00	44.50	9.19	6.87
1984	34.70	322.00	453.00	89.60	297.00	732.00	1001.0	244.00	67.20	88.70	20.40	14.20
1985	29.60	158.00	351.00	225.00	811.00	477.00	340.00	86.10	91.90	22.50	12.90	8.25

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

7.98	9.50	18.60	38.10	166.00	217.00
------	------	-------	-------	--------	--------

## FIFTIETH PERCENTILE

17.19	43.90	171.00	232.00	278.00	470.00
-------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

47.90	104.00	449.00	458.00	490.00	661.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

123.00	66.50	37.00	20.90	11.60	7.90
--------	-------	-------	-------	-------	------

## FIFTIETH PERCENTILE

310.00	145.00	72.50	34.80	16.60	10.80
--------	--------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

515.00	247.00	148.00	88.70	39.50	47.90
--------	--------	--------	-------	-------	-------

## 03322900 WABASH RIVER AT LINN GROVE, IN

LOCATION.--Lat 40°39'22", long 85°01'58", in SE¼SE¼ sec.34, T.26 N., R.13 E., Adams County, Hydrologic Unit 05120101, on right bank 10 ft downstream from bridge on State Highway 218, 800 ft downstream from Shoemaker ditch, 0.8 mi north of Linn Grove, and 2.2 mi upstream from Rice ditch.

DRAINAGE AREA.--453 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1964 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 808.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Occasional regulation of Grand Lake, diversion from or into St. Marys River basin, and into Miami and Erie Canal.

AVERAGE DISCHARGE.--21 years, 376 ft<sup>3</sup>/s, 11.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,560 ft<sup>3</sup>/s Mar. 17, 1978, gage height, 13.87 ft; minimum daily, 5.1 ft<sup>3</sup>/s Oct. 8, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1964 reached a stage of 13.13 ft, from floodmark, discharge, 6,900 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1965	27	47	50	29	41	16	8	15	13	9	8	4	6	9	2	5	3	5	6	9	10	7	5	3	5	4	10	7	2							
1966	16	42	75	16	26	16	13	29	16	10	7	16	13	12	9	6	9	9	3	7	4	5	2	2	2											
1967	21	31	12	24	18	19	9	17	14	22	12	7	11	6	9	11	13	12	15	7	11	10	8	9	6	11	12	3	2	1	2					
1968	5	3	6	14	22	20	11	21	25	17	21	26	19	8	10	35	10	8	6	10	7	7	14	8	12	4	9	5	2	1						
1969		1	12	36	18	11	5	5	5	6	17	30	35	16	28	23	22	17	13	7	10	7	9	8	7	6	3	4	1	2	1					
1970		19	19	13	3	6	4	10	20	12	9	18	24	13	35	29	26	15	14	9	16	9	6	11	11	5	3	3	1	1	1					
1971			11	18	46	18	22	30	34	17	21	12	12	16	8	14	8	9	15	7	6	11	3	9	8	1	2	2	2	3						
1972							34	24	20	12	8	14	7	16	16	23	21	14	26	24	16	18	6	14	14	9	8	10	6	2	1	3				
1973							5	4	6	5	8	6	10	28	11	26	29	12	15	28	24	25	18	30	24	12	10	13	8	5	3					
1974			24	19	50	16	16	6	6	8	7	16	5	5	6	9	25	14	24	18	13	10	12	14	8	8	9	6	4	4	2	1				
1975				13	26	13	20	11	9	8	11	14	14	22	9	20	15	14	17	20	22	13	16	15	9	11	10	9	1	2	1					
1976			4	14	8	17	12	22	31	24	34	17	11	9	14	7	12	14	23	23	11	8	7	6	8	4	5	5	2	4	3	6	1			
1977		27	27	52	30	43	19	23	17	9	10	9	10	11	13	8	4	6	4	4	8	8	4	6	3	3	4	1	1							
1978			3	7	8	21	16	22	11	30	27	12	17	16	14	2	26	30	10	11	11	8	5	7	5	10	6	6	5	5	1	8	2	2	1	
1979				12	11	15	2	11	14	31	16	16	15	23	21	18	19	32	14	17	9	11	12	6	7	12	6	6	2	3	1	2	1			
1980					3	4	7	9	9	17	9	10	11	36	15	35	48	24	27	18	14	5	7	8	15	7	9	5	9	3	2					
1981					3	30	24	19	14	23	41	30	15	21	15	9	8	11	3	9	8	14	9	12	12	10	7	2	5	6	3	1	1			
1982				15	5	30	16	17	8	7	7	9	8	33	22	12	17	16	24	17	4	7	13	15	15	10	8	7	4	7	5	6	1			
1983				7	28	21	33	14	17	2	9	8	13	22	10	24	21	27	30	10	14	13	7	6	4	5	10	3	4	1	1	1				
1984				4	1	1	28	11	25	18	9	14	10	7	11	6	7	25	19	13	19	28	23	17	8	15	8	5	12	10	6	5	1			
1985				1	8	8	26	29	21	16	8	15	19	30	29	15	4	9	11	8	23	22	9	5	11	10	4	7	5	2	4	1	2	1	2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	7670	100.00	12	59.0	286	4485	58.47	24	860.0	212	975	12.71
1	5.1	70	7670	100.00	13	74.0	322	4199	54.75	25	1100.0	192	763	9.95
2	6.4	161	7600	99.09	14	93.0	377	3877	50.55	26	1400.0	139	571	7.44
3	8.0	351	7439	96.99	15	120.0	207	3500	45.63	27	1700.0	132	432	5.63
4	10.0	239	7088	92.41	16	140.0	367	3293	42.93	28	2100.0	111	300	3.91
5	12.0	522	6849	89.30	17	180.0	425	2926	38.15	29	2600.0	83	189	2.46
6	16.0	287	6327	82.49	18	230.0	281	2501	32.61	30	3300.0	44	106	1.38
7	19.0	358	6040	78.75	19	280.0	322	2220	28.94	31	4100.0	41	62	0.81
8	24.0	288	5682	74.08	20	350.0	293	1898	24.75	32	5200.0	16	21	0.27
9	30.0	316	5394	70.33	21	440.0	237	1605	20.93	33	6400.0	4	5	0.07
10	38.0	322	5078	66.21	22	550.0	216	1368	17.84	34	8100.0	1	1	0.01
11	48.0	271	4756	62.01	23	690.0	177	1152	15.02					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 8.9  
P90 = 11.5  
P75 = 23.0  
P70 = 30.6  
P50 = 96.0  
P25 = 346.0  
P10 = 1100.0

## 03322900 WABASH RIVER AT LINN GROVE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	6.00 3	6.00 3	6.10 3	6.60 3	7.40 3	8.50 3	10.00 2	11.00 2	12.00 1
1967	5.30 1	5.40 1	5.60 1	6.40 2	7.10 2	8.20 2	10.00 3	15.00 4	33.00 5
1968	6.40 4	6.80 4	7.20 4	7.30 4	7.60 4	9.60 4	11.00 4	18.00 6	29.00 4
1969	11.00 14	12.00 16	13.00 16	13.00 14	14.00 12	17.00 10	29.00 11	65.00 14	125.00 15
1970	9.90 11	10.00 11	11.00 11	11.00 11	12.00 10	29.00 14	72.00 18	119.00 18	201.00 18
1971	8.00 9	8.10 9	8.40 9	9.40 9	10.00 8	11.00 5	12.00 5	12.00 3	22.00 3
1972	18.00 18	18.00 18	20.00 18	22.00 18	27.00 19	45.00 17	61.00 17	68.00 15	100.00 14
1973	20.00 19	21.00 19	22.00 19	23.00 19	24.00 18	106.00 19	143.00 19	206.00 19	385.00 20
1974	11.00 12	11.00 12	12.00 12	12.00 12	13.00 11	15.00 9	54.00 15	115.00 17	154.00 17
1975	8.20 10	8.40 10	8.70 10	9.50 10	9.90 6	29.00 15	61.00 16	56.00 12	89.00 11
1976	12.00 15	13.00 17	14.00 17	15.00 17	18.00 17	49.00 18	53.00 14	70.00 16	97.00 12
1977	5.50 2	5.60 2	5.80 2	5.90 1	6.00 1	7.20 1	8.00 1	9.60 1	12.00 2
1978	6.80 5	7.10 5	8.10 7	8.40 6	16.00 15	21.00 12	24.00 9	24.00 9	44.00 6
1979	7.50 8	7.70 8	8.20 8	8.80 7	11.00 9	12.00 8	20.00 8	23.00 7	63.00 8
1980	31.00 20	34.00 20	37.00 20	46.00 20	76.00 20	116.00 20	151.00 20	282.00 20	280.00 19
1981	11.00 13	11.00 13	12.00 13	13.00 13	15.00 13	23.00 13	29.00 10	28.00 10	65.00 9
1982	12.00 16	12.00 14	13.00 14	14.00 15	16.00 16	36.00 16	50.00 13	61.00 13	128.00 16
1983	6.90 6	7.10 6	7.50 5	8.30 5	9.80 5	11.00 6	14.00 7	17.00 5	76.00 10
1984	7.10 7	7.50 7	7.90 6	9.40 8	10.00 7	11.00 7	13.00 6	24.00 8	61.00 7
1985	12.00 17	12.00 15	13.00 15	14.00 16	15.00 14	20.00 11	33.00 12	42.00 11	97.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	2640.00 20	2570.00 19	2270.00 18	1560.00 18	1160.00 17	1040.00 14	832.00 15	653.00 16	440.00 17
1966	1250.00 21	1090.00 21	674.00 21	371.00 21	305.00 21	176.00 21	163.00 21	172.00 21	139.00 21
1967	6370.00 3	5780.00 3	4150.00 4	2330.00 12	1600.00 10	1030.00 15	941.00 10	889.00 9	795.00 8
1968	4340.00 16	3770.00 15	3100.00 12	1910.00 14	1330.00 15	1030.00 16	895.00 11	774.00 13	646.00 12
1969	5370.00 11	4330.00 11	2990.00 14	2420.00 10	1580.00 11	1050.00 12	794.00 16	721.00 15	572.00 16
1970	5500.00 10	4300.00 12	2910.00 15	1700.00 17	1140.00 18	843.00 17	851.00 14	741.00 14	606.00 14
1971	3740.00 17	3410.00 17	3060.00 13	1890.00 15	1250.00 16	827.00 18	571.00 18	525.00 18	404.00 18
1972	5740.00 6	5480.00 4	4020.00 5	3040.00 3	2140.00 3	1350.00 8	1080.00 9	872.00 10	805.00 6
1973	4870.00 13	4220.00 13	2910.00 16	2680.00 7	1860.00 7	1520.00 4	1270.00 3	1080.00 4	1130.00 1
1974	5900.00 4	5020.00 7	3950.00 6	2820.00 5	1720.00 9	1370.00 7	1200.00 5	1110.00 3	818.00 5
1975	5640.00 7	4870.00 9	3230.00 10	2140.00 13	1460.00 13	1180.00 10	1100.00 8	1070.00 5	796.00 7
1976	5630.00 8	4880.00 8	3810.00 7	3030.00 4	2130.00 4	1470.00 5	1180.00 6	962.00 7	665.00 11
1977	3500.00 18	2300.00 20	1580.00 20	1180.00 19	788.00 20	561.00 20	430.00 20	329.00 20	225.00 20
1978	8400.00 1	7620.00 1	6220.00 1	4610.00 1	3120.00 1	1920.00 2	1400.00 2	1130.00 2	921.00 3
1979	5810.00 5	5270.00 5	3750.00 8	2420.00 11	1380.00 14	1040.00 13	747.00 17	640.00 17	579.00 15
1980	4610.00 14	3850.00 14	2740.00 17	1740.00 16	1520.00 12	1070.00 11	862.00 13	780.00 12	684.00 9
1981	5260.00 12	4590.00 10	3530.00 9	2570.00 8	1970.00 5	1450.00 6	1130.00 7	903.00 8	682.00 10
1982	5600.00 9	5270.00 6	4240.00 3	3050.00 2	2760.00 2	1930.00 1	1530.00 1	1280.00 1	956.00 2
1983	3360.00 19	2940.00 18	1940.00 19	1090.00 20	950.00 19	644.00 19	470.00 19	425.00 19	398.00 19
1984	4420.00 15	3710.00 16	3160.00 11	2520.00 9	1900.00 6	1550.00 3	1220.00 4	1010.00 6	880.00 4
1985	7390.00 2	6700.00 2	4740.00 2	2780.00 6	1750.00 8	1270.00 9	873.00 12	845.00 11	635.00 13



03322900 WABASH RIVER AT LINN GROVE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	148.00	2
1967	333.00	8
1968	380.00	12
1969	343.00	9
1970	359.00	10
1971	279.00	6
1972	271.00	5
1973	857.00	20
1974	514.00	18
1975	462.00	16
1976	416.00	13
1977	117.00	1
1978	373.00	11
1979	320.00	7
1980	488.00	17
1981	226.00	4
1982	688.00	19
1983	223.00	3
1984	419.00	14
1985	461.00	15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	225.00	17
1966	77.00	21
1967	418.00	9
1968	375.00	10
1969	356.00	15
1970	365.00	11
1971	223.00	18
1972	514.00	2
1973	710.00	1
1974	443.00	7
1975	443.00	8
1976	363.00	12
1977	125.00	20
1978	499.00	4
1979	341.00	16
1980	472.00	6
1981	362.00	13
1982	505.00	3
1983	221.00	19
1984	494.00	5
1985	358.00	14

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	6.84	7.87	9.39	92.80	407.00	902.00	1150.0	96.50	21.60	11.70	8.55	13.10
1966	18.40	7.52	10.10	118.00	207.00	144.00	76.70	258.00	38.20	32.50	8.20	10.20
1967	14.10	157.00	1202.0	257.00	495.00	1426.0	591.00	738.00	45.50	52.90	12.30	7.64
1968	12.70	48.20	1279.0	510.00	862.00	403.00	269.00	475.00	379.00	60.30	182.00	19.60
1969	14.50	193.00	451.00	1190.0	680.00	220.00	528.00	313.00	282.00	291.00	22.20	110.00
1970	268.00	491.00	240.00	409.00	859.00	538.00	892.00	362.00	267.00	53.60	42.30	11.60
1971	11.50	13.30	34.50	45.20	1199.0	505.00	68.20	283.00	369.00	85.70	35.90	110.00
1972	97.30	26.90	796.00	584.00	195.00	577.00	2085.0	567.00	152.00	312.00	28.80	753.00
1973	515.00	1853.0	1165.0	759.00	533.00	1578.0	899.00	188.00	503.00	111.00	306.00	107.00
1974	13.60	173.00	760.00	1563.0	765.00	788.00	708.00	197.00	127.00	40.00	39.70	157.00
1975	12.30	169.00	893.00	925.00	1415.0	936.00	438.00	171.00	259.00	31.10	88.50	43.20
1976	114.00	59.90	465.00	914.00	1717.0	741.00	71.80	50.50	171.00	67.90	22.40	12.20
1977	15.20	11.20	9.25	6.19	430.00	557.00	208.00	123.00	19.80	31.20	24.70	86.40
1978	69.20	39.20	1145.0	182.00	86.00	2397.0	1261.0	410.00	77.70	203.00	41.40	15.40
1979	13.80	32.50	107.00	249.00	252.00	1175.0	715.00	221.00	205.00	494.00	518.00	88.80
1980	145.00	792.00	673.00	318.00	331.00	1335.0	655.00	155.00	816.00	158.00	261.00	24.30
1981	22.10	42.70	31.50	30.70	488.00	80.50	323.00	980.00	1914.0	343.00	53.80	72.40
1982	35.90	85.10	202.00	722.00	1528.0	2070.0	769.00	292.00	335.00	60.20	19.70	14.00
1983	9.83	124.00	484.00	177.00	291.00	121.00	659.00	601.00	82.60	79.60	13.00	10.40
1984	47.90	491.00	896.00	178.00	573.00	1388.0	1634.0	405.00	117.00	146.00	53.50	16.20
1985	27.70	240.00	523.00	465.00	1214.0	772.00	672.00	100.00	294.00	31.90	18.30	11.70

## WABASH RIVER BASIN

03322900 WABASH RIVER AT LINN GROVE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
13.20	29.70	70.70	148.00	311.00	454.00
FIFTIETH PERCENTILE					
18.39	85.10	484.00	318.00	533.00	772.00
SEVENTY FIFTH PERCENTILE					
83.20	217.00	895.00	741.00	1031.00	1362.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
296.00	163.00	80.10	36.20	19.00	12.00
FIFTIETH PERCENTILE					
659.00	283.00	205.00	67.90	35.90	19.60
SEVENTY FIFTH PERCENTILE					
896.00	443.00	352.00	181.00	71.10	97.90

## 03323000 WABASH RIVER AT BLUFFTON, IN

LOCATION.--Lat 40°44'30", long 85°10'19", in NW¼NE¼ sec.4, T.26 N., R.12 E., Wells County, Hydrologic Unit 05120101, on downstream side of left abutment of Main Street Bridge in Bluffton, 2 mi downstream from Sixmile Creek, and at mile 434.5.

DRAINAGE AREA.--532 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1930 to September 1971 (discontinued). Gage-height records collected at same site since December 1910 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 793.01 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 31, 1934, nonrecording gage at same site and datum. Mar. 31 to Dec. 5, 1934, nonrecording gage at nearby site at same datum.

REMARKS.--Occasional regulation by Grand Lake Reservoir, diversion from or into St. Marys River basin, and into Miami and Erie Canal.

AVERAGE DISCHARGE.--41 years, 387 ft<sup>3</sup>/s, 10.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,800 ft<sup>3</sup>/s Feb. 15, 1950, gage height, 16.07 ft; minimum daily, 4.0 ft<sup>3</sup>/s July 18, 1936. Maximum stage known, about 21.0 ft Mar. 25, 26, 1913, on basis of gage readings published in newspapers (discharge, 25,000 ft<sup>3</sup>/s, from rating curve extended above 11,700 ft<sup>3</sup>/s on basis of rainfall-runoff relation).

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1931				30	94	55	17	20	12	23	14	15	16	21	12	5	6	6	3	5	4	2	3	1			1									
1932		2	14	14	18	18	29	24	19	10	12	15	20	25	15	18	14	9	21	15	7	11	8	4	8	9	3		4							
1933			2	7	23	15	6	11	13	13	9	18	16	28	25	20	17	23	17	16	9	12	11	13	2	13	8	13	3	2						
1934	4	7	24	14	31	17	10	16	16	13	8	17	27	19	13	17	15	32	14	13	12	4	2	2	4	7	3	1	2	1						
1935		7	34	26	43	15	11	18	10	11	22	29	14	20	20	16	11	8	11	3	9	6	4	8	1			1	3	4						
1936	12	19	49	25	24	26	24	25	22	15	22	12	12	5	12	11	12	10	5	2	2	1	1	4	1	4	2	2	2	1	1	1				
1937				1	23	29	14	13	20	10	12	9	14	10	20	28	24	19	22	14	11	7	11	20	14	7	8	2		2						1
1938				14	38	27	29	12	16	18	14	12	23	19	16	15	11	18	12	9	7	6	12	13	9	5	7	3								
1939		12	7	20	14	53	26	28	17	18	13	7	14	10	11	14	12	17	11	8	7	5	5	6	6	14	2	4	1	1	1	1				
1940		1	11	60	65	38	6	10	8	13	14	11	12	15	19	8	13	13	4	13	4	5	9	1	3	2	4	1	3							
1941	5	5	12	15	32	37	24	27	45	39	20	22	13	7	10	9	7	7	5	9	2	6	1				2	4								
1942	2	11	7	30	25	25	15	18	14	18	23	37	17	18	17	14	9	8	10	1	2	4	5	6	5	14			7	3						
1943				5	32	5	11	4	15	23	31	31	30	26	14	24	19	12	14	12	7	5	8	4	17	1	8	2	2	1	2					
1944		10	17	12	12	10	10	20	29	32	47	32	10	6	6	16	8	10	10	6	9	7	11	11	6	3	8	3		2	2	1				
1945	5	19	5	22	56	32	24	10	13	11	20	9	8	11	20	14	4	10	5	8	7	7	4	5	8	3	12	7	3	3						
1946		3	28	5	4	8	10	16	13	26	17	8	23	44	16	18	10	16	17	12	8	8	8	7	16	9	7	6	1	1						
1947	14	4	8	21	14	6	6	11	20	26	16	31	19	10	12	12	12	11	19	16	12	7	18	5	14	6	3									
1948			4	14	12	27	22	41	25	31	23	15	13	14	14	15	7	5	8	6	8	12	11	10	12	10	3	4								
1949			2	10	18	11	1	36	12	22	26	17	14	18	17	7	17	27	17	17	13	6	14	12	12	8	9	2								
1950				16	25	14	13	24	18	27	20	18	20	16	9	5	6	19	21	9	13	9	13	8	8	7	7	10	5	3	1	1				
1951			10	19	18	15	7	11	22	12	17	6	14	21	14	21	18	24	11	13	11	10	8	9	16	17	11	3	3	3	1					
1952		9	7	9	5	9	31	23	20	17	16	15	7	6	10	9	15	17	30	16	12	10	10	14	14	11	6	7	7	2	2					
1953			2	17	24	36	25	16	8	11	9	18	20	17	14	24	21	18	15	11	13	9	7	12	8	6		3	1							
1954	4	4	22	21	46	60	21	15	17	15	16	13	17	19	19	8	7	9	8	3	7	3	2	6	3											
1955		4	13	8	3	5	16	19	20	24	40	24	22	11	25	18	12	17	12	5	15	9	11	7	9	5	5	4	2							
1956			21	9	7	18	22	8	25	18	31	24	19	19	13	8	10	13	22	16	11	11	11	16	13	1										
1957		17	20	14	7	18	15	9	14	9	5	16	20	12	27	9	12	20	20	13	5	9	7	14	12	9	14	3	7	4	4					
1958					6	7	15	10	10	10	11	21	19	27	25	32	55	23	16	16	9	13	14	5	13	1	6	3	4	4						
1959				23	18	21	29	9	13	23	14	6	14	35	14	10	25	10	10	11	17	11	10	13	5	6	5	6	3	4						
1960			13	15	5	8	12	21	24	27	24	30	19	20	23	19	11	19	6	10	6	5	7	10	3	5										
1961			9	24	45	47	14	4	10	10	21	18	16	7	10	15	10	12	13	11	10	5	5	3	5	14	7	5	10	2	2	1				
1962			11	1	16	16	18	20	12	26	42	26	23	10	14	22	6	6	15	16	12	12	8	5	5	5	7	4	5	1	1					
1963		2	18	15	40	92	22	19	12	16	11	12	18	7	11	10	8	6	7	8	4	1	5	4	3	8	1	1	2							
1964		8	84	48	21	28	19	13	9	15	13	7	11	5	5	2	6	3	12	8	9	4	2	2	2	4	5	4	8	5	2	1	1			
1965	5	17	21	37	49	22	30	29	12	10	13	8	10	7	7	6	4	3	10	8	6	12	8	3	2	6	10	7	3							
1966			1	19	64	57	28	21	19	20	18	11	15	13	13	13	13	9	9	6	6	3	4	1	2											
1967			29	37	25	5	8	14	5	10	12	17	22	14	8	17	16	16	11	13	8	12	5	13	3	11	14	10	4	3	1	2				
1968			1	7	6	4	17	23	15	18	31	16	18	21	19	12	29	30	10	6	12	6	4	9	16	10	12	8	4	2						
1969				4	40	20	6	11	3	6	7	23	27	26	34	23	30	22	14	11	8	7	4	11	10	4	8	3	1	2						
1970			1	15	15	11	9	3	7	19	13	15	17	18	32	29	33	29	11	15	16	7	10	6	14	12	3	4	1							
1971				4	35	29	32	26	20	25	20	32	12	14	15	14	11	14	9	9	7	6	8	9	5	3	1	5								

## 03323000 WABASH RIVER AT BLUFFTON, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14975	100.00	12	55.0	680	8485	56.66	24	950.0	273	1745	11.65
1	4.0	37	14975	100.00	13	69.0	754	7805	52.12	25	1200.0	316	1472	9.83
2	5.1	121	14938	99.75	14	88.0	646	7051	47.09	26	1500.0	308	1156	7.72
3	6.4	446	14817	98.94	15	110.0	635	6405	42.77	27	1900.0	337	848	5.66
4	8.2	455	14371	95.97	16	140.0	684	5770	38.53	28	2500.0	181	511	3.41
5	10.0	889	13916	92.93	17	180.0	560	5086	33.96	29	3100.0	166	330	2.20
6	13.0	932	13027	86.99	18	230.0	590	4526	30.22	30	3900.0	87	164	1.10
7	17.0	781	12095	80.77	19	290.0	612	3936	26.28	31	5000.0	41	77	0.51
8	21.0	714	11314	75.55	20	370.0	470	3324	22.20	32	6300.0	29	36	0.24
9	27.0	645	10600	70.78	21	460.0	461	2854	19.06	33	8000.0	5	7	0.05
10	34.0	710	9955	66.48	22	590.0	348	2393	15.98	34	10000.0	2	2	0.01
11	43.0	760	9245	61.74	23	750.0	300	2045	13.66					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 8.8  
 P90 = 11.5  
 P75 = 21.7  
 P70 = 28.3  
 P50 = 77.0  
 P25 = 315.0  
 P10 = 1180.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	8.20 23	8.40 23	8.80 22	9.30 22	10.00 20	19.00 22	38.00 25	43.00 23	62.00 22
1933	5.20 8	5.80 9	7.60 18	8.00 17	9.30 16	25.00 26	40.00 27	48.00 24	64.00 23
1934	9.80 26	9.90 26	10.00 24	12.00 26	18.00 30	38.00 35	56.00 31	105.00 36	273.00 38
1935	5.00 6	5.00 6	5.40 6	6.40 7	7.50 6	14.00 18	14.00 15	17.00 13	17.00 6
1936	6.40 14	6.50 10	6.80 10	7.60 11	8.00 8	8.70 4	13.00 11	19.00 15	28.00 10
1937	4.00 1	4.10 1	4.20 1	4.80 1	6.80 4	8.80 5	19.00 19	20.00 16	48.00 18
1938	17.00 35	18.00 35	18.00 34	20.00 35	30.00 35	67.00 36	86.00 38	93.00 35	247.00 36
1939	10.00 27	10.00 27	10.00 25	14.00 27	19.00 33	21.00 23	25.00 21	38.00 20	56.00 20
1940	7.10 20	7.10 17	7.30 14	8.30 19	9.60 18	11.00 13	17.00 18	16.00 12	30.00 11
1941	6.20 11	6.80 14	7.50 15	8.00 18	8.80 12	12.00 17	13.00 12	15.00 10	32.00 12
1942	4.10 2	4.20 2	4.50 2	5.50 4	9.00 14	11.00 14	15.00 16	16.00 11	21.00 9
1943	7.60 21	8.10 22	10.00 26	11.00 25	18.00 31	31.00 30	56.00 32	79.00 32	203.00 35
1944	17.00 36	18.00 36	20.00 38	23.00 37	30.00 36	34.00 31	35.00 24	50.00 25	57.00 21
1945	4.30 3	4.70 4	4.80 3	5.20 2	5.90 1	8.80 6	11.00 8	12.00 6	15.00 3
1946	8.80 24	8.90 24	9.10 23	9.80 23	11.00 23	22.00 24	46.00 29	83.00 33	107.00 32
1947	5.40 9	5.40 8	5.50 7	5.90 5	6.50 3	7.50 2	8.80 3	11.00 3	40.00 15
1948	15.00 32	18.00 37	23.00 39	28.00 39	32.00 37	36.00 32	43.00 28	59.00 27	93.00 28
1949	11.00 28	12.00 28	12.00 28	15.00 29	17.00 27	18.00 20	20.00 20	38.00 21	91.00 27
1950	15.00 33	15.00 32	16.00 32	16.00 31	17.00 28	25.00 25	51.00 30	54.00 26	86.00 25
1951	17.00 37	18.00 38	19.00 35	30.00 40	41.00 38	70.00 38	66.00 34	115.00 37	140.00 33
1952	6.90 16	7.30 18	7.70 19	8.70 21	10.00 21	11.00 15	13.00 13	22.00 19	50.00 19
1953	16.00 34	16.00 33	17.00 33	18.00 33	18.00 29	27.00 27	60.00 33	63.00 29	76.00 24
1954	7.60 22	7.70 21	7.90 21	7.90 15	8.50 10	9.50 7	11.00 4	12.00 4	20.00 8
1955	4.50 5	4.70 5	5.20 5	6.00 6	10.00 22	28.00 28	30.00 22	39.00 22	95.00 29
1956	5.20 7	5.30 7	6.00 8	6.80 8	9.80 19	37.00 33	67.00 35	72.00 30	91.00 26
1957	6.90 17	6.90 15	7.00 11	7.60 12	8.20 9	9.80 9	11.00 5	14.00 7	46.00 17
1958	18.00 38	18.00 34	20.00 36	22.00 36	29.00 34	118.00 39	140.00 40	208.00 40	506.00 40
1959	26.00 40	26.00 40	27.00 40	27.00 38	61.00 40	120.00 40	122.00 39	207.00 39	279.00 39
1960	13.00 30	13.00 30	14.00 30	16.00 32	19.00 32	30.00 29	39.00 26	60.00 28	103.00 30
1961	6.40 12	6.60 12	7.10 12	8.00 16	8.90 13	11.00 10	12.00 9	12.00 5	15.00 4
1962	18.00 39	19.00 39	20.00 37	20.00 34	46.00 39	68.00 37	74.00 36	76.00 31	106.00 31
1963	6.00 10	6.70 13	7.60 16	7.70 13	9.50 17	12.00 16	14.00 14	14.00 8	19.00 7
1964	6.40 13	6.50 11	6.70 9	6.80 9	7.00 5	7.50 3	7.90 2	8.30 2	12.00 1
1965	4.40 4	4.60 3	5.10 4	5.40 3	5.90 2	6.40 1	7.00 1	7.90 1	13.00 2
1966	7.00 18	7.30 19	7.70 20	7.90 14	8.70 11	11.00 11	12.00 10	14.00 9	17.00 5
1967	7.00 19	7.40 20	7.60 17	8.50 20	9.10 15	11.00 12	11.00 6	21.00 17	40.00 16
1968	6.80 15	6.90 16	7.20 13	7.40 10	7.90 7	9.60 8	11.00 7	21.00 18	38.00 14
1969	13.00 31	14.00 31	14.00 31	15.00 30	16.00 26	19.00 21	33.00 23	86.00 34	144.00 34
1970	12.00 29	12.00 29	12.00 29	14.00 28	15.00 25	37.00 34	86.00 37	152.00 38	248.00 37
1971	9.80 25	9.90 25	11.00 27	11.00 24	13.00 24	15.00 19	16.00 17	18.00 14	32.00 13

## 03323000 WABASH RIVER AT BLUFFTON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1931	1600.00 39	1180.00 41	819.00 39	631.00 39	413.00 40	254.00 40	186.00 40	159.00 41	119.00 41
1932	3510.00 33	3490.00 31	2710.00 33	2040.00 26	1410.00 26	966.00 28	787.00 29	623.00 30	475.00 32
1933	5170.00 19	4900.00 18	4320.00 12	2820.00 14	1750.00 17	1550.00 11	1230.00 14	948.00 16	956.00 8
1934	4380.00 25	3430.00 33	2260.00 35	1340.00 37	958.00 37	660.00 37	484.00 37	436.00 37	372.00 34
1935	3750.00 32	3650.00 28	3270.00 22	2080.00 25	1100.00 36	737.00 35	581.00 36	467.00 36	349.00 36
1936	6750.00 14	5830.00 13	4040.00 15	2140.00 22	1260.00 31	880.00 33	646.00 35	498.00 35	340.00 37
1937	10200.00 2	7990.00 3	5700.00 5	4250.00 4	2830.00 5	1940.00 7	1470.00 7	1350.00 5	1000.00 6
1938	6110.00 16	5540.00 14	4100.00 13	3530.00 7	2960.00 4	2080.00 2	1540.00 5	1320.00 6	954.00 9
1939	8260.00 4	6780.00 7	4600.00 11	3100.00 10	2200.00 12	1500.00 13	1330.00 11	1020.00 14	713.00 19
1940	4820.00 21	4330.00 22	3280.00 21	2100.00 24	1300.00 30	941.00 30	733.00 32	607.00 33	442.00 33
1941	2470.00 38	2420.00 37	2000.00 37	1140.00 38	622.00 38	383.00 38	269.00 38	238.00 39	178.00 39
1942	4440.00 24	4030.00 23	3010.00 26	1920.00 27	1200.00 33	1020.00 25	853.00 25	680.00 28	593.00 26
1943	9490.00 3	8500.00 2	6250.00 3	4440.00 1	2640.00 7	1480.00 14	1280.00 12	1050.00 13	863.00 12
1944	7390.00 10	6350.00 11	4780.00 9	2980.00 11	1870.00 15	1450.00 15	1110.00 18	905.00 19	608.00 24
1945	4140.00 26	3830.00 25	3020.00 25	1730.00 33	1420.00 25	1160.00 23	892.00 23	841.00 22	635.00 21
1946	4070.00 27	3470.00 32	2850.00 30	1680.00 35	1120.00 34	702.00 36	761.00 31	611.00 32	611.00 23
1947	3870.00 30	3650.00 29	2970.00 28	2220.00 21	1600.00 20	1390.00 16	1160.00 16	919.00 18	766.00 16
1948	4690.00 22	4450.00 19	3210.00 23	2420.00 19	2390.00 10	1660.00 10	1380.00 10	1080.00 12	841.00 13
1949	3970.00 29	3830.00 26	2940.00 29	2680.00 16	2200.00 13	1730.00 9	1410.00 9	1220.00 8	922.00 10
1950	11300.00 1	9260.00 1	6260.00 2	4350.00 2	3490.00 1	2830.00 1	2330.00 1	2010.00 1	1380.00 1
1951	6750.00 15	5530.00 15	3900.00 16	2810.00 15	1720.00 18	1380.00 18	1260.00 13	1210.00 9	1070.00 5
1952	7660.00 7	6320.00 12	4060.00 14	2850.00 12	2340.00 11	1850.00 8	1700.00 2	1540.00 3	1170.00 3
1953	4050.00 28	3600.00 30	2510.00 34	1890.00 28	1430.00 24	938.00 31	841.00 26	713.00 27	599.00 25
1954	1440.00 40	1220.00 40	761.00 41	608.00 40	457.00 39	330.00 39	267.00 39	248.00 38	185.00 38
1955	3280.00 36	2920.00 36	2200.00 36	1710.00 34	1100.00 35	769.00 34	779.00 30	672.00 29	486.00 30
1956	2500.00 37	2230.00 38	1760.00 38	1510.00 36	1350.00 28	1140.00 24	840.00 27	737.00 26	586.00 27
1957	7380.00 11	6610.00 8	5730.00 4	3910.00 5	3090.00 2	2040.00 4	1690.00 3	1600.00 2	1250.00 2
1958	7620.00 9	7380.00 4	6370.00 1	4310.00 3	2450.00 8	1540.00 12	1180.00 15	984.00 15	773.00 14
1959	7660.00 8	6540.00 9	4720.00 10	3430.00 8	3060.00 3	2040.00 5	1490.00 6	1450.00 4	1070.00 4
1960	3450.00 34	3310.00 34	2820.00 31	1750.00 32	1310.00 29	921.00 32	807.00 28	774.00 25	573.00 28
1961	7050.00 12	6420.00 10	4960.00 8	3750.00 6	2430.00 9	1990.00 6	1580.00 4	1240.00 7	869.00 11
1962	5600.00 17	4400.00 21	2990.00 27	1890.00 29	1690.00 19	1390.00 17	1110.00 19	863.00 21	616.00 22
1963	7000.00 13	5310.00 16	3660.00 17	2480.00 18	1560.00 21	975.00 26	675.00 34	529.00 34	371.00 35
1964	8140.00 5	7340.00 5	5100.00 6	3200.00 9	2710.00 6	2070.00 3	1460.00 8	1110.00 10	739.00 17
1965	3450.00 35	3220.00 35	2770.00 32	1880.00 30	1400.00 27	1270.00 19	1020.00 21	801.00 24	545.00 29
1966	1400.00 41	1290.00 39	804.00 40	442.00 41	332.00 41	208.00 41	185.00 41	198.00 40	163.00 40
1967	7790.00 6	6840.00 6	5100.00 7	2840.00 13	1960.00 14	1260.00 20	1140.00 17	1080.00 11	961.00 7
1968	4860.00 20	4410.00 20	3620.00 19	2300.00 20	1520.00 22	1220.00 21	1040.00 20	920.00 17	768.00 15
1969	5420.00 18	4940.00 17	3660.00 18	2660.00 17	1770.00 16	1180.00 22	875.00 24	830.00 23	660.00 20
1970	4520.00 23	4020.00 24	3040.00 24	1810.00 31	1230.00 32	943.00 29	989.00 22	864.00 20	718.00 18
1971	3820.00 31	3690.00 27	3300.00 20	2120.00 23	1470.00 23	975.00 27	678.00 33	616.00 31	477.00 31

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	274.00 12
1933	350.00 18
1934	458.00 29
1935	108.00 1
1936	278.00 13
1937	433.00 26
1938	555.00 33
1939	513.00 31
1940	200.00 7
1941	174.00 3
1942	233.00 8
1943	374.00 19
1944	458.00 30
1945	335.00 16
1946	421.00 24
1947	257.00 10
1948	534.00 32
1949	642.00 37
1950	701.00 38

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1931	69.00 41
1932	269.00 32
1933	585.00 8
1934	231.00 33
1935	189.00 36
1936	178.00 37
1937	635.00 4
1938	574.00 9
1939	377.00 20
1940	230.00 34
1941	107.00 38
1942	331.00 25
1943	528.00 11
1944	325.00 28
1945	327.00 27
1946	356.00 23
1947	423.00 17
1948	452.00 13
1949	542.00 10

## WABASH RIVER BASIN

03323000 WABASH RIVER AT BLUFFTON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	610.00	36
1952	593.00	35
1953	386.00	20
1954	129.00	2
1955	304.00	14
1956	314.00	15
1957	253.00	9
1958	832.00	40
1959	779.00	39
1960	451.00	27
1961	261.00	11
1962	563.00	34
1963	181.00	5
1964	180.00	4
1965	401.00	23
1966	183.00	6
1967	397.00	22
1968	457.00	28
1969	392.00	21
1970	427.00	25
1971	344.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	735.00	1
1951	590.00	7
1952	620.00	5
1953	328.00	26
1954	101.00	39
1955	293.00	29
1956	389.00	19
1957	673.00	2
1958	640.00	3
1959	600.00	6
1960	358.00	22
1961	449.00	14
1962	336.00	24
1963	194.00	35
1964	374.00	21
1965	279.00	30
1966	95.00	40
1967	504.00	12
1968	448.00	15
1969	407.00	18
1970	443.00	16
1971	269.00	31

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	12.20	12.60	18.30	11.20	38.20	178.00	309.00	54.00	38.40	97.40	10.10	55.00
1932	144.00	130.00	499.00	1363.0	392.00	180.00	209.00	88.50	75.30	65.90	9.75	63.50
1933	96.40	403.00	1205.0	679.00	130.00	1134.0	774.00	1648.0	101.00	62.10	52.00	680.00
1934	689.00	95.10	141.00	320.00	78.90	810.00	484.00	23.20	58.90	9.97	20.50	19.80
1935	17.80	21.50	10.50	152.00	86.20	390.00	240.00	1063.0	78.50	131.00	47.70	9.03
1936	8.52	22.30	35.40	54.80	913.00	742.00	156.00	159.00	23.90	39.00	9.09	8.63
1937	115.00	324.00	112.00	2717.0	1055.0	497.00	1076.0	388.00	252.00	710.00	303.00	80.40
1938	165.00	48.70	719.00	227.00	974.00	1737.0	1893.0	180.00	507.00	331.00	113.00	36.20
1939	18.70	47.70	48.50	105.00	1076.0	1865.0	1009.0	85.80	172.00	100.00	46.40	9.62
1940	28.50	13.00	13.90	104.00	251.00	587.00	1287.0	141.00	284.00	39.40	19.20	13.30
1941	11.20	17.80	96.60	78.10	88.40	30.70	163.00	24.20	621.00	141.00	14.60	9.38
1942	20.70	21.40	35.60	27.70	734.00	1024.0	807.00	164.00	190.00	50.60	857.00	75.50
1943	18.40	162.00	398.00	373.00	456.00	942.00	206.00	2473.0	366.00	329.00	488.00	76.50
1944	59.80	86.40	32.20	41.40	261.00	1028.0	1842.0	403.00	82.50	14.70	62.20	8.63
1945	10.10	15.50	14.20	10.30	467.00	1127.0	893.00	393.00	846.00	110.00	29.70	36.50
1946	220.00	160.00	415.00	672.00	466.00	825.00	89.80	653.00	640.00	102.00	15.10	6.90
1947	8.44	14.90	108.00	623.00	354.00	472.00	1154.0	1095.0	898.00	166.00	136.00	57.60
1948	36.70	41.90	118.00	613.00	717.00	1389.0	1462.0	692.00	140.00	183.00	27.70	17.50
1949	17.90	357.00	804.00	2170.0	1155.0	703.00	341.00	330.00	348.00	189.00	75.30	42.80
1950	104.00	17.70	132.00	3357.0	2289.0	1278.0	1003.0	249.00	179.00	163.00	57.40	91.50
1951	271.00	623.00	1100.0	1018.0	1662.0	988.00	812.00	462.00	101.00	86.20	14.80	13.10
1952	13.00	75.80	707.00	2025.0	1166.0	1633.0	1176.0	290.00	92.90	66.40	65.60	136.00
1953	22.90	77.60	340.00	605.00	488.00	1279.0	303.00	545.00	149.00	51.00	50.70	13.00
1954	8.75	12.20	14.90	64.60	99.20	237.00	395.00	101.00	199.00	34.60	44.40	11.10
1955	258.00	145.00	283.00	701.00	464.00	1008.0	313.00	53.90	85.60	123.00	61.40	18.50
1956	199.00	777.00	94.40	60.80	1067.0	964.00	476.00	341.00	521.00	159.00	44.00	16.40
1957	8.48	13.40	118.00	447.00	505.00	415.00	3068.0	985.00	721.00	1551.0	52.30	218.00
1958	262.00	322.00	1793.0	436.00	262.00	286.00	377.00	320.00	2380.0	574.00	536.00	111.00
1959	138.00	454.00	122.00	1599.0	2006.0	850.00	1049.0	828.00	138.00	62.50	29.70	30.40
1960	127.00	244.00	607.00	751.00	1042.0	529.00	267.00	210.00	217.00	276.00	40.50	13.30
1961	11.10	14.60	10.50	12.30	273.00	1775.0	2205.0	505.00	191.00	97.60	221.00	78.70
1962	95.80	93.50	45.90	1037.0	775.00	1445.0	108.00	191.00	154.00	62.60	16.70	16.90
1963	12.40	20.30	13.60	31.90	53.30	1470.0	404.00	97.50	87.50	93.40	17.70	9.11
1964	7.33	8.41	8.66	27.80	16.30	1364.0	2657.0	290.00	59.10	52.20	9.46	7.03
1965	5.90	9.91	19.30	112.00	510.00	1127.0	1382.0	138.00	37.10	17.80	9.21	13.70
1966	33.10	12.30	20.70	149.00	248.00	165.00	81.50	292.00	48.10	68.20	12.60	12.60
1967	9.41	141.00	1467.0	289.00	603.00	1724.0	741.00	886.00	72.30	71.70	12.30	7.89
1968	14.60	56.00	1464.0	594.00	1021.0	552.00	347.00	540.00	432.00	88.40	245.00	23.70
1969	16.00	181.00	507.00	1252.0	826.00	265.00	674.00	358.00	335.00	341.00	28.70	127.00
1970	339.00	662.00	290.00	380.00	1001.0	648.00	1106.0	436.00	385.00	72.90	53.30	15.10
1971	17.70	21.30	60.00	57.90	1352.0	648.00	96.00	326.00	421.00	119.00	44.30	158.00

03323000 WABASH RIVER AT BLUFFTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
11.70	16.60	26.40	62.70	256.00	485.00
FIFTIETH PERCENTILE					
20.69	56.00	118.00	373.00	505.00	850.00
SEVENTY FIFTH PERCENTILE					
133.00	172.00	503.00	726.00	1032.00	1279.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
285.00	150.00	84.00	62.30	15.90	11.90
FIFTIETH PERCENTILE					
674.00	326.00	179.00	97.40	44.30	18.50
SEVENTY FIFTH PERCENTILE					
1130.00	543.00	403.00	165.00	63.90	76.00

## 03323500 WABASH RIVER AT HUNTINGTON, IN

LOCATION.--Lat 40°51'20", long 85°29'53", in SW¼NE¼ sec. 27, T.28 N., R.9 E., Huntington County, Hydrologic Unit 05120101, on right bank at the Huntington Water and Light Plant, 2 mi south of Huntington, 2.4 mi downstream from Huntington Lake, 3.2 mi upstream from Little River, and at mile 409.0.

DRAINAGE AREA.--721 mi<sup>2</sup>.

PERIOD OF RECORD.--January 1951 to September 1985.

GAGE.--No gage at present time. Datum of gage was 700.04 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). July 5, 1951, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph. Prior to July 5, 1951, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Huntington Lake. Daily discharge computed from relation between discharge, head, and gate openings for Huntington Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--34 years, 603 ft<sup>3</sup>/s, 11.35 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,900 ft<sup>3</sup>/s Feb. 10, 1959; maximum gage height, 23.20 ft Feb. 10, 1959 (backwater from ice); minimum daily discharge, 2.4 ft<sup>3</sup>/s Oct. 28, 29, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 22.7 ft, from high-water mark by Corps of Engineers.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1952								2	7	12	14	35	20	18	23	13	14	8	11	7	11	19	35	19	12	13	12	15	16	7	12	7	4				
1953									9	23	26	46	18	12	7	7	20	24	24	16	23	21	23	12	11	11	11	10	6	1	4						
1954								1	14	44	63	43	13	22	17	19	18	22	13	15	10	13	8	7	6	10	1	3	3								
1955								3	8	6	7	8	9	9	24	48	34	30	23	17	18	17	19	11	14	10	11	8	11	11	3	5		1			
1956									15	4	7	12	4	19	22	18	21	30	26	23	20	19	11	13	17	17	12	12	19	16	8	1					
1957						2	2	9	15	7	18	22	13	15	17	8	9	21	18	17	14	10	30	17	13	8	11	6	19	13	9	8	4	7	3		
1958												3	4	6	13	15	14	14	21	35	21	38	56	23	13	18	9	19	13	12	3	4	3	4	4		
1959									4	12	11	17	25	13	15	23	17	31	19	12	11	18	24	18	13	17	11	16	10	6	2	7	7	3	3		
1960									12	12	7	9	12	22	17	18	35	32	33	28	22	20	22	12	10	10	8	8	7	5	4	1					
1961										18	23	30	42	21	8	6	11	20	32	13	12	15	9	12	6	15	11	9	2	8	12	7	6	12	1	2	2
1962										5	13	10	12	16	9	17	29	33	31	32	24	9	15	14	18	16	15	3	6	5	7	6	2	2			
1963																																					
1964																																					
1965																																					
1966																																					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5479	100.00	12	40.0	269	3972	72.49	24	840.0	150	874	15.95
1	2.4	8	5479	100.00	13	51.0	269	3703	67.59	25	1100.0	119	724	13.21
2	3.1	8	5471	99.85	14	66.0	313	3434	62.68	26	1400.0	121	605	11.04
3	4.0	9	5463	99.71	15	85.0	279	3121	56.96	27	1800.0	151	484	8.83
4	5.2	27	5454	99.54	16	110.0	297	2842	51.87	28	2300.0	120	333	6.08
5	6.7	15	5427	99.05	17	140.0	283	2545	46.45	29	3000.0	69	213	3.89
6	8.6	70	5412	98.78	18	180.0	261	2262	41.28	30	3900.0	65	144	2.63
7	11.0	173	5342	97.50	19	240.0	199	2001	36.52	31	5000.0	31	79	1.44
8	14.0	240	5169	94.34	20	300.0	232	1802	32.89	32	6500.0	31	48	0.88
9	18.0	366	4929	89.96	21	390.0	269	1570	28.65	33	8400.0	14	17	0.31
10	24.0	304	4563	83.28	22	510.0	249	1301	23.75	34	11000.0	3	3	0.05
11	31.0	287	4259	77.73	23	650.0	178	1052	19.20					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 13.4  
P90 = 18.0  
P75 = 35.7  
P70 = 45.6  
P50 = 120.0  
P25 = 479.0  
P10 = 1590.0



## 03323500 WABASH RIVER AT HUNTINGTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1952	11.00 9	14.00 10	16.00 10	19.00 10	20.00 9	22.00 7	26.00 7	36.00 8	79.00 8
1953	26.00 13	28.00 13	30.00 13	31.00 13	33.00 12	41.00 9	71.00 10	73.00 9	101.00 9
1954	11.00 10	12.00 9	13.00 9	15.00 9	17.00 6	18.00 6	19.00 5	20.00 4	26.00 4
1955	9.40 7	10.00 8	11.00 7	12.00 7	22.00 10	51.00 10	54.00 9	73.00 10	163.00 11
1956	9.40 8	9.40 7	11.00 8	12.00 8	19.00 8	81.00 12	153.00 14	169.00 13	180.00 12
1957	6.00 5	6.60 3	8.20 4	9.80 4	10.00 3	14.00 3	17.00 4	22.00 5	65.00 7
1958	20.00 12	21.00 12	21.00 12	24.00 12	38.00 13	158.00 15	180.00 15	277.00 14	662.00 15
1959	35.00 15	36.00 15	38.00 15	41.00 14	80.00 15	131.00 14	151.00 13	278.00 15	378.00 14
1960	14.00 11	15.00 11	18.00 11	20.00 11	29.00 11	54.00 11	93.00 11	124.00 12	249.00 13
1961	8.90 6	9.00 6	9.30 6	9.90 5	12.00 4	16.00 4	16.00 3	16.00 3	21.00 3
1962	30.00 14	32.00 14	37.00 14	41.00 15	68.00 14	95.00 13	95.00 12	108.00 11	147.00 10
1963	4.30 2	6.60 4	7.20 3	8.40 3	14.00 5	18.00 5	22.00 6	24.00 6	27.00 5
1964	5.20 3	5.20 2	5.20 2	5.30 2	8.00 2	12.00 2	12.00 2	13.00 2	19.00 1
1965	2.40 1	2.50 1	2.90 1	3.10 1	4.50 1	9.00 1	9.80 1	11.00 1	20.00 2
1966	6.00 4	8.20 5	8.70 5	11.00 6	18.00 7	25.00 8	27.00 8	36.00 7	43.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1952	8130.00 8	7480.00 6	5100.00 7	3860.00 6	3170.00 6	2470.00 5	2340.00 2	2120.00 2	1670.00 2
1953	4960.00 11	4740.00 11	3500.00 11	2650.00 9	2010.00 9	1330.00 12	1170.00 11	970.00 12	802.00 9
1954	1920.00 15	1570.00 15	1010.00 15	861.00 14	657.00 14	494.00 14	405.00 14	380.00 14	281.00 14
1955	8320.00 7	5460.00 8	4240.00 8	2680.00 8	1970.00 10	1340.00 10	1290.00 9	1120.00 7	808.00 8
1956	4250.00 12	3580.00 13	2820.00 13	2430.00 10	2230.00 7	1760.00 7	1280.00 10	1100.00 8	895.00 7
1957	9720.00 4	9160.00 3	7900.00 2	5450.00 2	4250.00 2	2780.00 2	2250.00 3	2110.00 3	1640.00 3
1958	10800.00 2	9880.00 2	8540.00 1	5600.00 1	3190.00 5	2100.00 6	1610.00 6	1330.00 6	1030.00 5
1959	11500.00 1	10500.00 1	7650.00 3	5320.00 3	5000.00 1	3180.00 1	2380.00 1	2300.00 1	1730.00 1
1960	5480.00 10	4770.00 10	3710.00 9	2330.00 12	1760.00 13	1270.00 13	1070.00 12	1030.00 11	783.00 10
1961	9760.00 3	8670.00 4	6880.00 4	5110.00 4	3410.00 4	2640.00 4	2120.00 4	1660.00 4	1170.00 4
1962	5900.00 9	5200.00 9	3660.00 10	2230.00 13	1920.00 11	1600.00 9	1350.00 8	1050.00 10	769.00 11
1963	8500.00 6	7260.00 7	5140.00 6	3370.00 7	2150.00 8	1330.00 11	950.00 13	756.00 13	525.00 13
1964	9440.00 5	8610.00 5	6460.00 5	4140.00 5	3520.00 3	2730.00 3	1920.00 5	1470.00 5	987.00 6
1965	4240.00 13	4000.00 12	3470.00 12	2390.00 11	1810.00 12	1700.00 8	1390.00 7	1100.00 9	762.00 12
1966	2080.00 14	1920.00 14	1210.00 14	665.00 15	460.00 15	329.00 15	291.00 15	299.00 15	252.00 15

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	847.00 13
1953	545.00 9
1954	179.00 1
1955	497.00 7
1956	518.00 8
1957	346.00 6
1958	1100.00 14
1959	1130.00 15
1960	697.00 11
1961	341.00 5
1962	740.00 12
1963	254.00 3
1964	251.00 2
1965	547.00 10
1966	274.00 4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1952	885.00 2
1953	440.00 10
1954	156.00 14
1955	508.00 7
1956	594.00 6
1957	885.00 3
1958	855.00 4
1959	971.00 1
1960	491.00 9
1961	603.00 5
1962	423.00 11
1963	277.00 13
1964	501.00 8
1965	394.00 12
1966	154.00 15

## WABASH RIVER BASIN

03323500 WABASH RIVER AT HUNTINGTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	*	*	*	*	*	*	1175.0	759.00	160.00	119.00	31.50	23.50
1952	25.70	127.00	1172.0	2754.0	1658.0	2146.0	1647.0	619.00	193.00	71.20	72.20	142.00
1953	33.60	112.00	394.00	796.00	685.00	1786.0	498.00	616.00	176.00	106.00	51.70	20.50
1954	18.70	17.40	23.20	89.90	152.00	373.00	580.00	161.00	310.00	57.10	78.00	23.10
1955	479.00	203.00	439.00	1080.0	692.00	1854.0	558.00	103.00	118.00	357.00	168.00	23.70
1956	309.00	1153.0	170.00	71.50	1749.0	1511.0	589.00	442.00	819.00	316.00	63.60	18.60
1957	11.90	26.70	140.00	548.00	664.00	548.00	4208.0	1319.0	837.00	2006.0	99.80	249.00
1958	361.00	425.00	2307.0	558.00	344.00	435.00	495.00	399.00	3096.0	926.00	749.00	135.00
1959	149.00	623.00	203.00	2314.0	3443.0	1201.0	1802.0	1230.0	587.00	204.00	69.20	40.70
1960	207.00	420.00	749.00	1050.0	1393.0	658.00	457.00	283.00	319.00	307.00	55.40	21.50
1961	14.60	20.90	13.00	19.90	255.00	2296.0	2909.0	918.00	241.00	156.00	281.00	101.00
1962	107.00	143.00	95.50	1405.0	910.00	1637.0	183.00	230.00	251.00	78.30	21.90	24.40
1963	19.30	35.20	25.80	37.60	63.80	2045.0	525.00	203.00	163.00	117.00	35.40	18.50
1964	8.20	16.80	12.30	35.20	23.90	1827.0	3449.0	418.00	112.00	104.00	17.00	11.40
1965	8.45	10.70	26.10	178.00	729.00	1559.0	1785.0	286.00	68.70	66.70	20.20	34.80
1966	67.40	36.00	83.20	231.00	379.00	272.00	116.00	423.00	82.30	116.00	24.40	22.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
14.60	20.90	25.80	71.50	255.00	548.00
FIFTIETH PERCENTILE					
33.60	112.00	140.00	548.00	685.00	1559.00
SEVENTY FIFTH PERCENTILE					
207.00	420.00	439.00	1080.00	1393.00	1854.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
496.00	243.00	129.00	84.70	26.20	20.69
FIFTIETH PERCENTILE					
585.00	421.00	217.00	118.00	59.50	23.60
SEVENTY FIFTH PERCENTILE					
1798.00	724.00	520.00	314.00	94.30	85.90

## 03323500 WABASH RIVER AT HUNTINGTON, IN--Continued

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34									
1970								9	7	13	7	16	NUMBER OF DAYS IN CLASS										1	16	8	14	27	10	7	40	27	29	25	13	18	17	10	9	8	11	7	5	10	1
1971						2		3	27	22	11	31	32	10	27	20	23	16	15	19	7	16	15	11	6	10	9	2	10	6	5	6	4											
1972								11	4		3	4	6	8	23	14	23	16	15	22	13	31	28	13	14	15	20	16	15	12	20	12	8											
1973										3	2	4	4	2	5	4	12	11	30	15	16	15	26	31	21	10	20	18	38	23	22	23	10											
1974		2						1	3	9	23	10	20	3	24	31	26	19	6	18	17	12	13	9	8	12	8	10	11	19	21	15	15											
1975											11	13	19	8	20	26	23	20	10	13	16	13	20	22	17	19	21	13	15	14	23	7	2											
1976										17	33	14	45	12	21	17	14	14	13	12	11	37	15	9	10	10	8	6	6	12	12	12	6											
1977								35	17	45	29	25	14	15	36	31	9	5	12	15	11	8	8	12	2	6	6	5	6	5	1	7												
1978						2				13	24	4	27	35	29	10	32	8	20	25	18	21	7	11	11	9	7	4	7	9	2	10	4	16										
1979										15			1	20	43	26	47	33	21	31	15	10	19	12	15	9	13	9	8	4	3	3	6	2										
1980											15	4	1	3	20	14	26	24	49	40	25	23	8	15	16	11	9	10	13	15	12	10	3											
1981										7	2	36	22	24	40	48	27	12	11	25	4	5	12	10	9	7	15	13	10	5	8	4	9											
1982								1	2	2	32	25	12	29	23	19	21	25	21	13	19	10	6	6	9	21	14	6	11	11	7	10	9	1										
1983										42	36	5	5	27	20	16	21	12	23	46	18	14	12	7	10	10	6	7	12	5	3	7	1											
1984										13	9	3	12	26	31	29	13	13	23	41	15	15	17	12	6	13	8	11	12	8	6	21	6	3										
1985								3	29	5	9	21	20	24	39	40	20	21	31	12	21	8	8	6	5	3	4	5	4	7	7	7	6											

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	42.0	255	5065	86.67	24	640.0	175	1485	25.41
1	3.4	2	5844	100.00	13	52.0	241	4810	82.31	25	800.0	172	1310	22.42
2	4.3	0	5842	99.97	14	65.0	400	4569	78.18	26	1000.0	184	1138	19.47
3	5.4	0	5842	99.97	15	82.0	362	4169	71.34	27	1300.0	151	954	16.32
4	6.7	0	5842	99.97	16	100.0	382	3807	65.14	28	1600.0	182	803	13.74
5	8.5	4	5842	99.97	17	130.0	254	3425	58.61	29	2000.0	163	621	10.63
6	11.0	0	5838	99.90	18	160.0	301	3171	54.26	30	2500.0	163	458	7.84
7	13.0	59	5838	99.90	19	200.0	414	2870	49.11	31	3100.0	156	295	5.05
8	17.0	62	5779	98.89	20	260.0	238	2456	42.03	32	3900.0	101	139	2.38
9	21.0	230	5717	97.83	21	320.0	289	2218	37.95	33	4900.0	37	38	0.65
10	26.0	212	5487	93.89	22	400.0	243	1929	33.01	34	6200.0	1	1	0.02
11	33.0	210	5275	90.26	23	510.0	201	1686	28.85					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	24.6
P90 =	33.6
P75 =	72.9
P70 =	85.9
P50 =	193.0
P25 =	662.0
P10 =	2110.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	15.00 4	15.00 4	17.00 4	18.00 2	27.00 5	61.00 8	78.00 8	81.00 6	94.00 2
1972	8.80 2	11.00 1	16.00 3	18.00 3	24.00 2	90.00 11	151.00 12	222.00 12	239.00 12
1973	15.00 5	15.00 5	15.00 1	22.00 5	37.00 9	207.00 15	224.00 15	297.00 14	619.00 15
1974	22.00 10	23.00 9	57.00 14	81.00 15	89.00 14	104.00 12	152.00 13	245.00 13	324.00 14
1975	3.40 1	14.00 2	24.00 10	29.00 10	36.00 8	61.00 9	99.00 10	98.00 9	149.00 8
1976	25.00 14	26.00 13	26.00 11	50.00 13	60.00 13	112.00 13	148.00 11	159.00 11	236.00 11
1977	15.00 6	15.00 3	15.00 2	16.00 1	16.00 1	18.00 1	26.00 1	40.00 1	49.00 1
1978	9.00 3	21.00 6	23.00 6	26.00 7	38.00 10	60.00 6	60.00 4	83.00 8	125.00 5
1979	24.00 12	24.00 10	24.00 7	24.00 6	27.00 3	55.00 3	59.00 3	65.00 2	107.00 3
1980	69.00 15	69.00 15	70.00 15	70.00 14	114.00 15	160.00 14	188.00 14	313.00 15	313.00 13
1981	24.00 13	24.00 11	24.00 8	33.00 11	34.00 7	61.00 7	72.00 7	72.00 5	123.00 4
1982	22.00 11	35.00 14	38.00 13	38.00 12	46.00 12	84.00 10	95.00 9	108.00 10	208.00 10
1983	20.00 7	24.00 12	27.00 12	27.00 8	28.00 6	56.00 4	68.00 6	66.00 4	160.00 9
1984	21.00 8	21.00 7	21.00 5	21.00 4	27.00 4	40.00 2	50.00 2	65.00 3	126.00 6
1985	21.00 9	21.00 8	24.00 9	29.00 9	40.00 11	58.00 5	67.00 5	82.00 7	136.00 7

## WABASH RIVER BASIN

03323500 WABASH RIVER AT HUNTINGTON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	5280.00 5	4830.00 6	3920.00 11	2700.00 13	1780.00 14	1320.00 14	1330.00 11	1200.00 11	1040.00 9
1971	4240.00 10	4160.00 11	3980.00 9	3140.00 11	2230.00 12	1370.00 13	948.00 14	868.00 14	659.00 15
1972	4150.00 12	4110.00 12	3920.00 10	3600.00 9	3180.00 4	2110.00 6	1740.00 7	1410.00 8	1360.00 4
1973	4230.00 11	4180.00 10	3710.00 13	3510.00 10	2970.00 5	2420.00 4	2000.00 3	1780.00 3	1810.00 1
1974	4580.00 7	4520.00 7	4480.00 6	4220.00 4	2960.00 6	2460.00 3	2210.00 2	2030.00 1	1590.00 2
1975	3920.00 14	3840.00 14	3820.00 12	3110.00 12	2180.00 13	1810.00 10	1760.00 6	1690.00 4	1280.00 5
1976	4520.00 8	4450.00 8	4210.00 7	3610.00 8	3260.00 3	2170.00 5	1770.00 5	1510.00 5	1070.00 8
1977	3750.00 16	3540.00 16	3440.00 15	2170.00 15	1610.00 15	1140.00 15	885.00 15	675.00 15	475.00 16
1978	5750.00 4	5650.00 3	5480.00 3	5210.00 1	4170.00 1	2610.00 2	1920.00 4	1510.00 6	1260.00 6
1979	5010.00 6	4940.00 5	4730.00 4	3900.00 5	2430.00 11	1680.00 12	1190.00 13	986.00 13	810.00 13
1980	4470.00 9	4420.00 9	3460.00 14	2600.00 14	2500.00 10	1730.00 11	1220.00 12	1190.00 12	1000.00 10
1981	4060.00 13	4020.00 13	3990.00 8	3670.00 7	2700.00 8	1940.00 9	1560.00 9	1230.00 10	937.00 11
1982	6230.00 1	6190.00 1	6160.00 1	4870.00 2	3650.00 2	3020.00 1	2330.00 1	2010.00 2	1500.00 3
1983	3910.00 15	3800.00 15	3080.00 16	1790.00 16	1430.00 16	1080.00 16	785.00 16	673.00 16	695.00 14
1984	5940.00 3	5610.00 4	4560.00 5	3700.00 6	2700.00 9	2020.00 7	1730.00 8	1460.00 7	1260.00 7
1985	6020.00 2	5980.00 2	5580.00 2	4670.00 3	2870.00 7	2010.00 8	1380.00 10	1290.00 9	921.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	509.00 5
1972	514.00 6
1973	1350.00 15
1974	927.00 13
1975	784.00 12
1976	719.00 11
1977	225.00 1
1978	464.00 4
1979	613.00 7
1980	636.00 8
1981	332.00 2
1982	1010.00 14
1983	393.00 3
1984	664.00 10
1985	647.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	636.00 9
1971	408.00 14
1972	834.00 3
1973	1170.00 1
1974	859.00 2
1975	752.00 5
1976	588.00 10
1977	286.00 16
1978	690.00 7
1979	486.00 13
1980	660.00 8
1981	514.00 12
1982	798.00 4
1983	400.00 15
1984	713.00 6
1985	524.00 11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	471.00	1187.0	362.00	337.00	1461.0	919.00	1598.0	686.00	429.00	91.80	112.00	78.40
1971	122.00	56.30	172.00	97.90	1588.0	1184.0	80.80	457.00	598.00	146.00	41.80	457.00
1972	317.00	92.70	1471.0	1030.0	382.00	1057.0	2912.0	1206.0	235.00	509.00	46.60	744.00
1973	1178.0	2915.0	1834.0	1161.0	1000.0	2445.0	1547.0	282.00	713.00	209.00	532.00	194.00
1974	89.20	482.00	1042.0	2263.0	2509.0	1388.0	1374.0	772.00	186.00	90.60	48.80	189.00
1975	92.20	295.00	1383.0	1466.0	1817.0	1761.0	746.00	486.00	594.00	64.60	174.00	205.00
1976	198.00	206.00	961.00	1051.0	2263.0	1745.0	113.00	40.90	293.00	119.00	45.40	69.90
1977	75.70	77.30	23.80	17.40	203.00	1613.0	506.00	312.00	39.60	92.60	104.00	350.00
1978	104.00	85.80	1380.0	306.00	225.00	2016.0	2966.0	662.00	117.00	252.00	49.80	84.20
1979	56.70	90.50	179.00	364.00	294.00	2235.0	905.00	259.00	275.00	389.00	609.00	139.00
1980	198.00	681.00	1317.0	369.00	460.00	1999.0	1123.0	235.00	762.00	273.00	420.00	75.40
1981	74.10	97.90	73.90	62.80	729.00	121.00	382.00	1226.0	2534.0	689.00	89.20	146.00
1982	80.50	131.00	322.00	993.00	2078.0	3561.0	1273.0	236.00	760.00	98.70	51.60	82.60
1983	74.50	176.00	1048.0	370.00	400.00	167.00	1076.0	1031.0	177.00	173.00	30.70	68.60
1984	99.60	493.00	1523.0	171.00	1185.0	1948.0	1971.0	673.00	265.00	126.00	71.00	58.50
1985	96.50	217.00	459.00	769.00	987.00	2105.0	1011.0	125.00	398.00	49.10	39.30	67.80

03323500 WABASH RIVER AT HUNTINGTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
76.90	91.00	215.00	205.00	387.00	1089.00
FIFTIETH PERCENTILE					
98.00	191.00	1002.00	370.00	994.00	1753.00
SEVENTY FIFTH PERCENTILE					
198.00	490.00	1382.00	1046.00	1760.00	2083.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
566.00	242.00	198.00	92.00	45.70	71.30
FIFTIETH PERCENTILE					
1100.00	472.00	346.00	136.00	61.30	112.00
SEVENTY FIFTH PERCENTILE					
1585.00	751.00	684.00	268.00	159.00	202.00

## 03324000 LITTLE RIVER NEAR HUNTINGTON, IN

LOCATION.--Lat 40°54'14", long 85°24'22", in NE¼NW¼ sec.9, T.28 N., R.10 E., Huntington County, Hydrologic Unit 05120101, on right bank on upstream side of highway bridge, 5 mi east of Huntington, and at mile 7.5.

DRAINAGE AREA.--263 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1985. Prior to January 1944 monthly discharge only, published in WSP 1305. Published as Little River at Huntington, January 1944 to September 1948, Little River near Huntington, October 1948 to September 1956, and Little Wabash River near Huntington, October 1956 to September 1961.

GAGE.--Water-stage recorder. Datum of gage is 728.10 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, nonrecording gage 4 mi downstream at datum 8.79 ft lower, and Oct. 1, 1948, to Sept. 5, 1950, nonrecording gage at present site and datum.

REMARKS.--During periods of extreme high water in St. Marys River, some water leaves the St. Marys River basin through Junk ditch and flows into Little River basin via Graham McCulloch ditch.

AVERAGE DISCHARGE.--42 years, 227 ft<sup>3</sup>/s, 11.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,990 ft<sup>3</sup>/s Jan. 4, 1950; maximum gage height, 19.50 ft Feb. 25, 1985; minimum daily discharge, 1.1 ft<sup>3</sup>/s Oct. 8, 1946, site then in use.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1945							2	25	22	22	57	22	20	15	19	16	19	19	13	11	9	8	9	10	5	12	6	2	6	8	4	4				
1946						2	5	10	14	17	15	22	23	58	30	16	17	16	13	20	14	17	20	8	7	5	4	4	4	2	2					
1947		1	3	9	3	6	8	11	14	11	41	22	12	28	19	20	17	12	12	13	14	16	11	13	14	4	8	4	5	5	5	4				
1948			1	1	1	1	4	5	20	4	15	10	6	21	23	41	44	19	12	15	14	8	13	11	7	13	16	9	6	8	9	6	3			
1949						2	8	14	17	15	4	15	20	26	23	42	26	32	25	10	14	14	13	4	12	13	3	6	2	5						
1950						1				2	6	17	26	21	32	26	18	24	11	17	15	17	20	17	15	11	14	11	11	10	8	10	3	2		
1951										8	21	5	19	25	12	12	20	34	17	29	33	18	20	13	14	15	9	16	8	8	4	3	2			
1952										10	25	27	25	16	8	10	18	24	24	32	21	19	17	18	16	7	12	14	3	8	4	5	3			
1953										13	104	25	12	10	9	18	19	16	19	37	18	19	11	6	10	6	4	5	2			1		1		
1954							10	33	74	55	25	18	20	14	16	17	18	10	18	12	9	3	1	2	5	3	2									
1955							8	16	9	15	15	9	23	14	21	38	37	20	27	18	11	12	15	10	9	7	8	7	3	5	6	1	1			
1956							4	29	3	9	11	28	26	24	34	19	24	15	23	18	20	21	11	11	10	3	8	5	7	1	2					
1957							38	22	29	14	20	29	19	16	30	21	17	18	13	12	6	10	11	9	7	7	4	3	4	4	2					
1958										17	19	27	27	33	36	36	26	25	20	14	8	20	9	11	3	7	7	8	6	5	1					
1959										15	25	44	25	31	12	20	9	13	9	19	15	22	16	23	10	13	6	8	5	8	4	5	5	3		
1960										12	20	25	16	18	15	14	39	32	36	22	27	16	18	11	7	8	1	7	6	3	8	3	1	1		
1961										40	47	45	15	16	28	19	20	19	10	14	21	8	12	9	7	6	3	2	10	4	8	2				
1962										10	9	5	12	16	10	14	12	16	23	29	35	31	18	17	25	19	16	6	8	2	7	7	4	6	4	2
1963										2	3	30	27	47	57	43	22	19	29	13	10	9	7	7	8	8	3	5	3	4	2	1	2			
1964																																				
1965																																				
1966																																				
1967																																				
1968																																				
1969																																				
1970																																				
1971																																				
1972																																				
1973																																				
1974																																				
1975																																				
1976																																				
1977																																				
1978																																				
1979																																				
1980																																				
1981																																				
1982																																				
1983																																				
1984																																				
1985																																				

## 03324000 LITTLE RIVER NEAR HUNTINGTON, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14975	100.00	12	19.0	999	12046	80.44	24	420.0	366	1968	13.14
1	1.1	1	14975	100.00	13	24.0	1200	11047	73.77	25	540.0	336	1602	10.70
2	1.4	4	14974	99.99	14	32.0	973	9847	65.76	26	700.0	251	1266	8.45
3	1.8	10	14970	99.97	15	41.0	978	8874	59.26	27	900.0	291	1015	6.78
4	2.4	16	14960	99.90	16	53.0	983	7896	52.73	28	1200.0	193	724	4.83
5	3.1	21	14944	99.79	17	68.0	1069	6913	46.16	29	1500.0	221	531	3.55
6	4.0	63	14923	99.65	18	89.0	732	5844	39.03	30	2000.0	142	310	2.07
7	5.2	198	14860	99.23	19	110.0	960	5112	34.14	31	2500.0	107	168	1.12
8	6.7	453	14662	97.91	20	150.0	632	4152	27.73	32	3300.0	46	61	0.41
9	8.7	511	14209	94.88	21	190.0	608	3520	23.51	33	4200.0	13	15	0.10
10	11.0	814	13698	91.47	22	250.0	480	2912	19.45	34	5500.0	2	2	0.01
11	15.0	838	12884	86.04	23	320.0	464	2432	16.24					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 8.6  
 P90 = 12.1  
 P75 = 23.1  
 P70 = 27.8  
 P50 = 59.2  
 P25 = 176.0  
 P10 = 590.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	1.90 3	1.90 2	2.20 2	3.20 3	3.90 2	5.20 2	6.30 2	7.50 2	11.00 4
1946	5.80 12	6.20 10	6.60 11	7.20 12	11.00 15	25.00 31	43.00 33	82.00 37	80.00 29
1947	1.10 1	1.40 1	1.80 1	2.60 1	4.90 3	8.70 7	11.00 9	12.00 7	23.00 10
1948	1.70 2	2.00 3	3.20 4	4.90 5	6.90 7	9.00 8	15.00 12	31.00 18	63.00 22
1949	4.00 6	5.00 8	6.30 9	7.40 13	10.00 13	11.00 12	17.00 15	34.00 20	54.00 19
1950	5.00 9	8.10 18	9.10 18	15.00 26	27.00 36	49.00 40	63.00 38	105.00 39	111.00 35
1951	10.00 22	13.00 26	18.00 33	19.00 33	31.00 39	38.00 35	120.00 41	112.00 41	143.00 39
1952	9.00 20	9.10 20	9.50 20	10.00 19	11.00 16	14.00 17	22.00 19	43.00 27	113.00 36
1953	8.80 19	9.00 19	9.10 19	9.50 17	12.00 20	13.00 14	16.00 14	21.00 15	35.00 14
1954	6.50 14	6.50 12	6.60 12	6.90 10	8.20 10	9.30 10	10.00 7	10.00 5	12.00 5
1955	6.50 15	6.50 13	6.50 10	7.40 14	11.00 17	18.00 20	31.00 26	35.00 21	79.00 28
1956	5.60 10	5.60 9	5.90 7	6.60 8	7.50 9	17.00 19	66.00 39	105.00 40	100.00 33
1957	6.60 16	6.70 14	6.80 14	6.90 9	7.20 8	7.90 5	9.10 5	12.00 8	18.00 8
1958	12.00 26	12.00 23	12.00 22	12.00 21	15.00 21	24.00 29	45.00 34	82.00 38	157.00 41
1959	15.00 30	16.00 32	16.00 30	16.00 27	17.00 25	21.00 25	40.00 31	67.00 32	152.00 40
1960	9.90 21	9.90 21	10.00 21	10.00 20	11.00 18	14.00 15	24.00 21	32.00 19	97.00 32
1961	7.60 17	7.80 17	7.90 16	8.30 16	8.50 11	9.00 9	10.00 6	10.00 6	10.00 3
1962	16.00 35	17.00 36	19.00 38	24.00 40	32.00 41	43.00 37	52.00 36	80.00 36	72.00 26
1963	2.50 4	2.50 4	2.60 3	2.70 2	3.30 1	5.00 1	6.10 1	7.20 1	8.30 1
1964	4.00 5	4.10 5	4.40 5	4.60 4	5.00 4	5.80 3	6.80 3	7.70 3	9.50 2
1965	4.40 7	4.60 6	4.80 6	5.60 6	6.50 6	7.20 4	7.80 4	8.30 4	15.00 7
1966	7.70 18	7.70 16	8.60 17	9.70 18	10.00 14	11.00 13	12.00 10	16.00 10	20.00 9
1967	6.20 13	6.80 15	7.60 15	7.70 15	12.00 19	14.00 16	15.00 13	19.00 12	42.00 15
1968	5.80 11	6.30 11	6.70 13	7.10 11	8.60 12	9.90 11	12.00 11	16.00 11	32.00 13
1969	16.00 36	17.00 37	19.00 39	20.00 36	22.00 32	24.00 30	29.00 24	41.00 25	61.00 21
1970	13.00 27	14.00 27	15.00 28	15.00 22	16.00 22	19.00 21	36.00 28	52.00 31	110.00 34
1971	11.00 23	11.00 22	13.00 23	15.00 23	16.00 23	26.00 32	37.00 29	42.00 26	57.00 20
1972	12.00 24	13.00 24	14.00 24	15.00 24	18.00 26	21.00 26	29.00 25	35.00 22	44.00 17
1973	15.00 31	16.00 33	18.00 34	19.00 34	24.00 34	53.00 41	59.00 37	78.00 35	130.00 38
1974	18.00 40	18.00 38	18.00 35	19.00 35	20.00 31	22.00 28	25.00 22	40.00 24	69.00 24
1975	12.00 25	13.00 25	14.00 25	16.00 28	18.00 27	19.00 22	20.00 17	23.00 16	29.00 11
1976	19.00 41	19.00 41	20.00 41	28.00 41	31.00 40	46.00 39	87.00 40	77.00 34	125.00 37
1977	4.80 8	5.00 7	6.00 8	6.10 7	6.20 5	8.00 6	11.00 8	14.00 9	13.00 6
1978	17.00 39	18.00 39	19.00 40	22.00 38	27.00 37	45.00 38	51.00 35	76.00 33	92.00 31
1979	15.00 32	15.00 28	15.00 26	16.00 29	18.00 28	19.00 23	20.00 18	20.00 13	30.00 12
1980	15.00 33	15.00 29	16.00 29	17.00 30	18.00 29	21.00 27	25.00 23	35.00 23	46.00 18
1981	16.00 37	16.00 34	18.00 36	23.00 39	26.00 35	28.00 34	34.00 27	45.00 28	69.00 25
1982	17.00 38	18.00 40	19.00 37	21.00 37	28.00 38	41.00 36	43.00 32	49.00 30	64.00 23
1983	15.00 34	16.00 35	17.00 31	17.00 31	18.00 30	20.00 24	23.00 20	28.00 17	89.00 30
1984	14.00 28	15.00 30	15.00 27	15.00 25	16.00 24	16.00 18	18.00 16	21.00 14	43.00 16
1985	15.00 29	16.00 31	17.00 32	19.00 32	23.00 33	26.00 33	40.00 30	46.00 29	74.00 27

## 03324000 LITTLE RIVER NEAR HUNTINGTON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1945	2840.00 26	2580.00 23	2230.00 16	1200.00 22	887.00 23	745.00 14	617.00 15	537.00 14	394.00 20
1946	2000.00 39	1710.00 38	946.00 39	510.00 39	357.00 39	311.00 39	307.00 38	247.00 38	218.00 38
1947	2930.00 25	2720.00 21	2320.00 13	1500.00 15	868.00 25	745.00 15	626.00 14	492.00 19	398.00 18
1948	3970.00 11	3480.00 11	2380.00 11	1930.00 5	1540.00 4	1150.00 3	1020.00 3	811.00 3	632.00 4
1949	2950.00 24	2690.00 22	1800.00 22	1180.00 23	1070.00 12	860.00 8	655.00 10	530.00 15	426.00 15
1950	5120.00 3	4160.00 3	2900.00 7	2550.00 2	1740.00 3	1410.00 1	1140.00 1	1040.00 1	769.00 1
1951	4060.00 8	3040.00 15	2150.00 18	1440.00 16	917.00 19	717.00 16	633.00 13	600.00 11	528.00 8
1952	4060.00 9	2840.00 20	1560.00 26	1430.00 17	1150.00 9	822.00 10	730.00 7	658.00 5	573.00 5
1953	3580.00 17	2290.00 28	1270.00 36	947.00 33	662.00 33	475.00 35	386.00 35	336.00 35	254.00 35
1954	1460.00 40	906.00 41	498.00 41	321.00 41	280.00 41	201.00 40	168.00 40	157.00 40	115.00 41
1955	4530.00 5	3520.00 10	2320.00 14	1670.00 12	1070.00 13	662.00 20	581.00 18	497.00 17	451.00 13
1956	3130.00 23	2490.00 25	1430.00 29	1130.00 28	871.00 24	597.00 29	465.00 30	418.00 27	309.00 31
1957	3700.00 15	3430.00 12	2930.00 6	1930.00 6	1400.00 5	830.00 9	666.00 8	549.00 12	421.00 16
1958	3460.00 21	2930.00 18	2370.00 12	1410.00 18	895.00 22	588.00 30	558.00 20	428.00 24	342.00 26
1959	4580.00 4	4050.00 4	3090.00 4	1800.00 10	1360.00 6	909.00 6	863.00 4	797.00 4	654.00 3
1960	3500.00 19	2500.00 24	1750.00 23	913.00 34	576.00 36	468.00 36	420.00 32	400.00 28	327.00 27
1961	2010.00 38	1800.00 36	1420.00 30	1290.00 21	900.00 21	694.00 18	513.00 23	396.00 29	299.00 32
1962	2700.00 28	2130.00 32	1300.00 34	1050.00 30	855.00 26	640.00 25	530.00 22	423.00 25	321.00 28
1963	2100.00 37	1970.00 34	1390.00 31	803.00 38	477.00 38	315.00 38	221.00 39	181.00 39	128.00 40
1964	2400.00 35	2100.00 33	1190.00 37	892.00 35	672.00 32	542.00 32	410.00 33	335.00 36	235.00 37
1965	2690.00 29	2440.00 27	1360.00 32	1010.00 31	708.00 31	692.00 19	549.00 21	457.00 23	314.00 29
1966	1150.00 41	918.00 40	720.00 40	441.00 40	285.00 40	172.00 41	154.00 41	147.00 41	130.00 39
1967	4300.00 6	4050.00 5	3270.00 3	1910.00 8	1080.00 11	658.00 21	604.00 17	621.00 8	527.00 9
1968	3370.00 22	3030.00 16	2700.00 10	1670.00 13	944.00 17	819.00 11	641.00 12	549.00 13	501.00 11
1969	4190.00 7	3880.00 6	2800.00 9	1590.00 14	1030.00 15	658.00 22	484.00 27	460.00 21	394.00 19
1970	2490.00 33	2230.00 30	1680.00 25	1180.00 24	817.00 29	609.00 28	468.00 29	421.00 26	350.00 25
1971	2140.00 36	1740.00 37	1470.00 28	981.00 32	731.00 30	516.00 33	364.00 36	340.00 33	261.00 34
1972	2570.00 30	1840.00 35	1520.00 27	1370.00 19	962.00 16	628.00 26	463.00 31	389.00 31	359.00 24
1973	2540.00 32	2240.00 29	1350.00 33	1150.00 26	837.00 27	615.00 27	512.00 24	481.00 20	489.00 12
1974	3690.00 16	3550.00 9	2830.00 8	1930.00 7	1110.00 10	875.00 7	752.00 6	639.00 6	552.00 6
1975	2440.00 34	2220.00 31	1280.00 35	815.00 37	540.00 37	408.00 37	362.00 37	336.00 34	314.00 30
1976	2710.00 27	2450.00 26	2270.00 15	1880.00 9	1320.00 8	755.00 13	612.00 16	528.00 16	382.00 22
1977	2550.00 31	1670.00 39	1070.00 38	830.00 36	616.00 35	487.00 34	404.00 34	312.00 37	239.00 36
1978	4040.00 10	3790.00 7	3010.00 5	2510.00 3	1770.00 2	1050.00 4	793.00 5	632.00 7	542.00 7
1979	3870.00 13	3290.00 13	2080.00 19	1370.00 20	914.00 20	695.00 17	496.00 25	392.00 30	283.00 33
1980	3880.00 12	3560.00 8	2000.00 20	1140.00 27	920.00 18	642.00 24	575.00 19	493.00 18	385.00 21
1981	3790.00 14	3270.00 14	1870.00 21	1110.00 29	625.00 34	545.00 31	491.00 26	457.00 22	365.00 23
1982	5610.00 1	5080.00 2	4280.00 1	2930.00 1	1830.00 1	1330.00 2	1040.00 2	885.00 2	663.00 2
1983	3530.00 18	2980.00 17	1720.00 24	1160.00 25	822.00 28	657.00 23	478.00 28	388.00 32	398.00 17
1984	3490.00 20	2880.00 19	2170.00 17	1680.00 11	1040.00 14	817.00 12	659.00 9	614.00 9	512.00 10
1985	5500.00 2	5120.00 1	3520.00 2	2360.00 4	1360.00 7	929.00 5	644.00 11	612.00 10	449.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	223.00 19
1946	226.00 20
1947	97.00 4
1948	372.00 39
1949	311.00 32
1950	407.00 41
1951	348.00 37
1952	315.00 34
1953	207.00 16
1954	66.00 2
1955	265.00 26
1956	208.00 17
1957	97.00 5
1958	323.00 35
1959	338.00 36
1960	311.00 33

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1945	209.00 25
1946	141.00 36
1947	217.00 22
1948	343.00 4
1949	258.00 16
1950	450.00 1
1951	330.00 5
1952	323.00 6
1953	137.00 37
1954	67.00 41
1955	280.00 14
1956	210.00 23
1957	226.00 20
1958	287.00 11
1959	356.00 3
1960	199.00 28



## 03324000 LITTLE RIVER NEAR HUNTINGTON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	108.00	8
1962	264.00	25
1963	66.00	3
1964	64.00	1
1965	187.00	12
1966	102.00	7
1967	257.00	24
1968	252.00	23
1969	238.00	22
1970	194.00	14
1971	228.00	21
1972	142.00	9
1973	354.00	38
1974	278.00	29
1975	187.00	13
1976	273.00	28
1977	100.00	6
1978	270.00	27
1979	203.00	15
1980	177.00	10
1981	182.00	11
1982	394.00	40
1983	212.00	18
1984	307.00	31
1985	290.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	161.00	34
1962	176.00	30
1963	68.00	40
1964	123.00	38
1965	164.00	32
1966	76.00	39
1967	286.00	12
1968	288.00	10
1969	230.00	19
1970	205.00	27
1971	168.00	31
1972	218.00	21
1973	299.00	7
1974	294.00	9
1975	194.00	29
1976	209.00	24
1977	143.00	35
1978	296.00	8
1979	162.00	33
1980	235.00	17
1981	206.00	26
1982	357.00	2
1983	230.00	18
1984	286.00	13
1985	258.00	15

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	*	*	*	*	*	*	1245.0	354.00	27.90	8.78	6.48	3.95
1945	11.00	26.60	11.00	13.10	377.00	616.00	575.00	531.00	193.00	51.70	57.90	59.80
1946	252.00	27.80	104.00	238.00	281.00	343.00	40.30	196.00	142.00	41.70	17.00	13.20
1947	6.40	15.90	44.90	320.00	138.00	187.00	616.00	371.00	775.00	123.00	10.40	11.80
1948	57.90	60.20	113.00	534.00	754.00	1068.0	862.00	470.00	72.60	104.00	30.50	10.90
1949	12.00	125.00	324.00	974.00	628.00	141.00	133.00	295.00	280.00	81.10	50.20	71.90
1950	281.00	29.90	390.00	1693.0	867.00	716.00	668.00	93.00	284.00	42.40	37.00	326.00
1951	109.00	331.00	589.00	477.00	835.00	440.00	462.00	222.00	251.00	244.00	32.20	12.10
1952	44.10	135.00	328.00	995.00	475.00	581.00	483.00	520.00	210.00	42.40	32.30	21.90
1953	12.30	41.10	91.10	233.00	202.00	587.00	286.00	118.00	22.40	25.60	15.40	12.40
1954	8.68	11.20	11.70	40.90	73.40	170.00	202.00	53.30	146.00	17.40	61.80	10.80
1955	701.00	116.00	257.00	334.00	238.00	1020.0	214.00	42.40	39.00	302.00	62.20	7.60
1956	141.00	442.00	72.00	33.80	617.00	540.00	133.00	313.00	189.00	37.10	19.70	11.50
1957	8.21	11.30	26.30	132.00	197.00	91.30	1396.0	248.00	350.00	171.00	76.80	28.80
1958	157.00	181.00	826.00	130.00	140.00	170.00	103.00	42.10	809.00	334.00	501.00	33.20
1959	17.50	159.00	57.80	497.00	1164.0	415.00	1005.0	372.00	526.00	117.00	15.40	12.90
1960	42.70	148.00	278.00	402.00	437.00	397.00	205.00	104.00	332.00	28.20	20.00	9.82
1961	9.52	12.90	9.81	9.08	39.70	514.00	752.00	240.00	39.90	127.00	105.00	72.80
1962	37.10	191.00	56.10	514.00	377.00	669.00	102.00	82.40	68.00	15.90	8.63	4.22
1963	5.72	10.20	10.80	10.10	18.00	453.00	160.00	35.20	57.90	36.30	7.76	5.03
1964	7.74	10.40	8.93	28.90	17.50	388.00	663.00	162.00	110.00	60.50	10.10	7.65
1965	6.95	10.20	14.60	178.00	386.00	653.00	597.00	70.40	24.00	29.80	11.50	11.70
1966	23.70	21.90	91.50	105.00	128.00	120.00	61.50	270.00	30.80	33.60	16.70	13.20
1967	14.60	189.00	1010.0	142.00	623.00	688.00	342.00	338.00	59.30	20.40	11.30	8.56
1968	25.80	67.10	913.00	397.00	583.00	258.00	302.00	535.00	208.00	55.80	88.40	22.50
1969	25.30	63.10	250.00	701.00	433.00	177.00	361.00	211.00	328.00	178.00	21.20	21.20
1970	97.60	407.00	77.20	151.00	187.00	294.00	741.00	338.00	55.90	45.70	46.60	33.50
1971	81.00	174.00	169.00	54.70	711.00	341.00	71.90	183.00	178.00	42.70	17.60	42.00
1972	52.50	30.10	483.00	190.00	58.90	338.00	909.00	137.00	130.00	79.70	29.60	185.00
1973	229.00	717.00	507.00	299.00	260.00	776.00	362.00	97.30	164.00	76.10	81.90	21.50
1974	24.50	163.00	486.00	1022.0	383.00	453.00	289.00	555.00	70.00	29.30	20.40	19.50
1975	24.00	28.30	149.00	324.00	488.00	263.00	277.00	162.00	375.00	35.80	59.10	169.00
1976	47.00	109.00	432.00	171.00	1062.0	424.00	115.00	64.30	66.70	31.60	12.50	9.89
1977	20.00	18.90	11.80	6.25	248.00	607.00	263.00	117.00	26.90	79.10	157.00	165.00
1978	65.80	93.00	777.00	93.90	36.50	1322.0	714.00	278.00	53.50	36.70	21.50	18.60
1979	20.40	32.00	93.80	91.40	174.00	897.00	339.00	99.00	60.90	55.80	62.00	18.40
1980	24.00	129.00	305.00	92.70	163.00	768.00	389.00	135.00	529.00	45.70	197.00	46.80
1981	28.00	27.90	83.30	81.00	582.00	90.70	388.00	441.00	610.00	95.70	29.00	54.60
1982	66.20	61.00	111.00	532.00	583.00	1765.0	586.00	239.00	239.00	50.60	29.60	21.70
1983	18.20	260.00	684.00	100.00	170.00	146.00	686.00	538.00	95.60	29.50	19.40	16.30
1984	27.10	128.00	549.00	82.30	658.00	866.00	443.00	464.00	85.90	48.70	65.20	26.10
1985	58.20	178.00	274.00	343.00	903.00	638.00	409.00	58.40	134.00	23.70	89.00	46.50

## WABASH RIVER BASIN

03324000 LITTLE RIVER NEAR HUNTINGTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
13.50	27.20	56.90	86.80	167.00	261.00
FIFTIETH PERCENTILE					
25.80	67.10	149.00	178.00	377.00	453.00
SEVENTY FIFTH PERCENTILE					
66.00	169.00	458.00	440.00	620.00	679.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
204.00	98.60	58.90	31.10	16.39	11.40
FIFTIETH PERCENTILE					
375.00	217.00	138.00	45.70	29.60	19.00
SEVENTY FIFTH PERCENTILE					
664.00	358.00	281.00	84.70	62.00	43.10

## 03324200 SALAMONIE RIVER AT PORTLAND, IN

LOCATION.--Lat 40°25'40", long 85°02'20", in NE¼SE¼ sec.23, T.23 N., R.13 E., Jay County, Hydrologic Unit 05120102, on right bank at downstream side of county road bridge, 2.3 mi downstream from Butternut Creek, 3.2 mi west of Portland, 3.7 mi downstream from Little Salamonie River, and at mile 70.5.

DRAINAGE AREA.--85.6 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1959 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 877.59 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1960, nonrecording gage at site 1.4 mi upstream at datum 6.43 ft higher.

REMARKS.--Natural flow partially affected by sewage effluent.

AVERAGE DISCHARGE.--26 years, 73.1 ft<sup>3</sup>/s, 11.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,460 ft<sup>3</sup>/s Mar. 5, 1963, gage height, 16.96 ft; minimum daily, 0.4 ft<sup>3</sup>/s Sept. 27, 1965.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1960				1		6	8	26	19	26	11	41	30	36	37	21	16	9	11	13	12	15	4	4	4	4	1	2	4	2	3					
1961				1	5	15	60	25	20	8	18	26	25	18	20	17	12	9	7	7	11	7	6	6	7	8	3	5	7	6	5	1				
1962					1	15		8	40	38	18	19	24	27	37	19	23	18	13	16	4	7	7	3	6	1	3	4	2	6	2	2	2			
1963				1		7	38	54	39	40	25	17	21	22	15	10	17	6	11	11	5	4	6	3	2	2	2	4	1		1				1	
1964				3	7	11	33	100	39	32	21	19	12	5	8	6	4	10	12	7	7	1	5	2	2	1	5	4	3	1		2	3	1		
1965		3	1	9	14	24	79	57	27	11	14	11	11	10	12	7	6	7	8	7	7	8	4	7		5	5	1	4	3		1	2			
1966		1	2	9	20	34	53	40	24	22	29	20	8	17	13	15	8	13	5	10	7	2	8				3	1	1							
1967				3	6	11	35	35	26	23	22	9	15	20	18	17	16	18	14	12	17	7	8	4	3	7	4	3	5	3	2	1	1			
1968				2	5	10	17	24	27	18	22	66	20	19	17	12	18	7	14	9	11	8	5	5	5	5	3	6	5	4	2	2	3			
1969				1	9	23	17	21	25	30	25	19	34	30	20	18	12	16	12	2	5	8	4	3	2	2	1	3	1	2						
1970				2	10	14	21	21	29	31	30	20	18	28	16	14	16	13	16	14	13	6	12			4	2	2	7	2	2	1			1	
1971		3	4	3	18	32	39	17	39	19	23	23	22	26	13	11	10	13	7	8	7	5	5	4	4	2		4	1	2	1					
1972				3	10	16	38	35	24	12	17	19	18	22	31	21	17	12	14	10	5	9	6	5	9	6	5	5	6	2	3	4	1	1		
1973		1	1	4	8	23	17	5	10	5	6	9	18	30	27	21	20	31	25	21	20	16	10	8	5	3	4	7	4	2	3	1				
1974				2	8	19	17	45	21	13	22	22	22	21	24	17	17	18	9	11	6	12	14	6	3	2	4	6	2		2					
1975				1	11	21	35	18	23	27	15	27	25	25	12	23	21	14	13	10	8	8	5	7	7	2	3	1	1	2						
1976				3	20	29	23	22	32	31	22	24	27	20	19	14	12	11	7	9	3	7	8	5	5		4	4	2		3					
1977				3	48	69	72	32	12	12	11	18	17	11	10	7	9	5	6	7	4	4	3	2	1		1	1								
1978				3	23	23	27	25	44	35	19	27	20	13	13	8	13	8	13	8	5	5	6	5	3	2	7	1	4	4	1					
1979				1	5	10	16	20	40	25	28	27	32	24	12	18	19	11	10	12	6	12	13	5	5	1	2	6	3	1	1					
1980					4	15	15	16	39	21	29	47	26	24	20	13	14	15	13	10	8	7	7	7	7	2	4	3	2	2	2	1				
1981				3	9	34	44	30	25	25	28	11	18	12	21	13	11	13	14	15	12	3	3	6	6	3	2		1	1	1	1				
1982		2	7	13	17	15	26	25	23	19	17	10	29	16	19	10	17	13	12	15	5	10	3	8	4	6	11	4	4	3	2					
1983		4	16	15	20	17	33	12	12	12	20	26	17	23	22	23	18	13	12	9	13	2	6	7	5	3	1	1	2		1					
1984				5	5	4	18	37	36	27	13	24	28	12	16	20	21	17	10	14	10	9	11	7	7	4	1	5	4		1					
1985				1	7	62	24	28	29	19	36	37	17	7	21	14	12	8	10	7	7	3	1	4	3	3	1	1	1	1	1	1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	9497	100.00	12	7.8	569	5368	56.52	24	200.0	147	750	7.90
1	0.40	3	9497	100.00	13	10.0	497	4799	50.53	25	260.0	118	603	6.35
2	0.52	9	9494	99.97	14	13.0	651	4302	45.30	26	340.0	106	485	5.11
3	0.69	39	9485	99.87	15	18.0	466	3651	38.44	27	450.0	73	379	3.99
4	0.90	69	9446	99.46	16	23.0	422	3185	33.54	28	580.0	93	306	3.22
5	1.2	171	9377	98.74	17	30.0	393	2763	29.09	29	770.0	82	213	2.24
6	1.5	457	9206	96.94	18	39.0	357	2370	24.96	30	1000.0	51	131	1.38
7	2.0	733	8749	92.12	19	51.0	337	2013	21.20	31	1300.0	34	80	0.84
8	2.7	735	8016	84.41	20	67.0	280	1676	17.65	32	1700.0	36	46	0.48
9	3.5	687	7281	76.67	21	88.0	290	1396	14.70	33	2300.0	9	10	0.11
10	4.5	593	6594	69.43	22	120.0	173	1106	11.65	34	3000.0	1	1	0.01
11	5.9	633	6001	63.19	23	150.0	183	933	9.82					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.7  
P90 = 2.2  
P75 = 3.7  
P70 = 4.4  
P50 = 10.3  
P25 = 38.9  
P10 = 147.0

## 03324200 SALAMONIE RIVER AT PORTLAND, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	0.80 7	0.90 4	1.30 8	1.50 6	1.60 5	1.90 4	2.00 3	2.00 1	2.50 1
1962	2.80 24	2.90 24	3.20 24	3.60 24	3.80 22	9.70 23	18.00 23	20.00 23	37.00 23
1963	1.40 18	1.60 15	1.60 12	1.90 12	2.20 14	3.50 15	4.40 14	5.50 13	6.50 7
1964	0.70 5	0.97 5	1.30 9	1.60 7	1.80 9	2.00 7	2.10 5	2.10 4	2.60 3
1965	0.80 8	0.97 6	1.19 6	1.60 8	1.70 6	1.90 5	2.00 4	2.00 2	2.50 2
1966	0.40 1	0.47 1	1.00 3	1.30 4	1.50 3	1.70 3	1.80 2	2.10 3	4.20 5
1967	0.60 3	1.00 7	1.19 7	1.70 9	2.10 12	2.10 8	2.80 9	4.30 10	11.00 13
1968	0.90 10	1.00 8	1.50 10	1.90 13	2.00 10	2.50 10	3.30 11	3.90 9	5.90 6
1969	1.50 19	2.10 20	2.80 22	3.00 20	3.20 17	3.80 16	5.80 17	13.00 17	23.00 21
1970	1.30 16	1.70 18	2.00 17	2.10 14	2.10 13	4.90 18	11.00 21	13.00 18	22.00 17
1971	0.85 9	1.00 9	1.10 4	1.40 5	1.70 7	2.00 6	2.20 6	2.50 5	7.30 8
1972	0.55 2	0.63 2	0.73 2	1.10 3	1.60 4	2.90 13	4.80 15	6.10 15	13.00 14
1973	1.80 20	2.10 19	2.20 18	3.10 21	4.00 24	14.00 24	18.00 24	25.00 24	67.00 24
1974	0.72 6	1.10 11	1.70 13	1.80 10	2.00 11	2.60 11	3.60 13	16.00 22	23.00 22
1975	2.10 23	2.20 21	3.00 23	3.20 22	3.30 19	7.80 20	13.00 22	14.00 20	22.00 18
1976	1.19 12	1.60 16	2.50 19	2.70 18	3.50 20	8.30 21	9.50 19	14.00 21	22.00 19
1977	1.30 13	1.50 13	1.70 14	1.80 11	1.80 8	2.20 9	2.40 8	2.80 7	2.80 4
1978	1.30 14	1.50 14	1.70 15	2.20 15	3.20 18	5.10 19	5.70 16	5.80 14	13.00 15
1979	1.30 15	1.70 17	2.00 16	2.20 16	2.90 16	3.20 14	3.50 12	4.70 12	9.90 12
1980	3.00 25	3.10 25	3.50 25	5.50 25	6.80 25	18.00 25	38.00 25	76.00 25	77.00 25
1981	1.40 17	1.40 12	1.60 11	2.20 17	2.60 15	2.80 12	3.00 10	3.60 8	9.50 11
1982	2.00 22	2.30 22	2.60 20	3.00 19	3.80 23	9.30 22	10.00 20	13.00 19	23.00 20
1983	0.64 4	0.65 3	0.70 1	0.82 1	0.89 1	1.10 1	1.60 1	2.50 6	8.70 10
1984	1.00 11	1.00 10	1.10 5	1.10 2	1.40 2	1.70 2	2.30 7	4.40 11	8.10 9
1985	1.90 21	2.30 23	2.70 21	3.40 23	3.70 21	4.30 17	6.30 18	8.30 16	17.00 16

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1960	1180.00 24	626.00 24	496.00 24	271.00 23	213.00 24	136.00 24	116.00 23	105.00 23	80.00 24
1961	1500.00 22	1010.00 20	701.00 18	595.00 9	406.00 6	358.00 4	264.00 3	209.00 3	158.00 5
1962	2100.00 14	1540.00 8	988.00 5	654.00 4	405.00 7	261.00 10	236.00 6	181.00 10	133.00 14
1963	3140.00 1	1760.00 5	904.00 9	597.00 8	381.00 9	245.00 13	171.00 19	132.00 20	92.00 21
1964	2640.00 3	1980.00 3	973.00 6	574.00 11	439.00 4	362.00 3	246.00 4	188.00 8	126.00 15
1965	1940.00 18	978.00 22	898.00 10	480.00 15	310.00 17	245.00 14	203.00 13	161.00 16	107.00 20
1966	592.00 26	355.00 26	185.00 26	115.00 26	97.00 26	54.00 26	48.00 26	49.00 26	41.00 25
1967	2350.00 10	2000.00 2	1240.00 2	656.00 3	359.00 12	226.00 18	181.00 17	189.00 7	166.00 4
1968	1840.00 19	1110.00 17	907.00 8	485.00 14	322.00 16	234.00 15	197.00 14	172.00 12	143.00 10
1969	1710.00 20	1260.00 15	641.00 21	464.00 17	276.00 21	187.00 21	144.00 21	139.00 19	111.00 19
1970	2470.00 6	1260.00 16	680.00 20	370.00 22	234.00 23	174.00 22	176.00 18	146.00 18	116.00 18
1971	1330.00 23	910.00 23	775.00 15	436.00 20	289.00 20	188.00 20	132.00 22	110.00 22	84.00 22
1972	2480.00 4	1730.00 6	966.00 7	639.00 6	439.00 5	285.00 7	207.00 12	180.00 11	150.00 6
1973	2470.00 5	1280.00 14	777.00 14	651.00 5	378.00 10	290.00 6	222.00 7	181.00 9	201.00 2
1974	2280.00 11	1300.00 13	889.00 11	540.00 12	364.00 11	256.00 12	217.00 8	202.00 5	148.00 8
1975	2030.00 15	1330.00 9	759.00 16	434.00 21	298.00 18	231.00 16	213.00 10	204.00 4	148.00 9
1976	2230.00 12	1320.00 10	842.00 12	577.00 10	454.00 3	300.00 5	237.00 5	194.00 6	134.00 13
1977	1160.00 25	499.00 25	356.00 25	226.00 25	145.00 25	100.00 25	76.00 25	58.00 25	41.00 26
1978	2400.00 8	1880.00 4	1430.00 1	981.00 1	629.00 1	382.00 2	282.00 2	240.00 2	197.00 3
1979	2230.00 13	1320.00 11	714.00 17	538.00 13	296.00 19	212.00 19	146.00 20	126.00 21	137.00 12
1980	2420.00 7	1310.00 12	835.00 13	465.00 16	336.00 14	231.00 17	185.00 15	161.00 17	142.00 11
1981	2350.00 9	1040.00 19	536.00 22	453.00 19	341.00 13	268.00 8	207.00 11	162.00 15	119.00 16
1982	1980.00 16	1580.00 7	1050.00 4	672.00 2	557.00 2	411.00 1	330.00 1	282.00 1	209.00 1
1983	1550.00 21	995.00 21	501.00 23	259.00 24	235.00 22	151.00 23	107.00 24	92.00 24	83.00 23
1984	1950.00 17	1070.00 18	693.00 19	457.00 18	325.00 15	259.00 11	216.00 9	170.00 13	149.00 7
1985	2950.00 2	2170.00 1	1080.00 3	611.00 7	386.00 8	263.00 9	181.00 16	166.00 14	118.00 17

## 03324200 SALAMONIE RIVER AT PORTLAND, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	49.00	7
1962	111.00	22
1963	50.00	8
1964	39.00	3
1965	68.00	12
1966	39.00	4
1967	79.00	16
1968	78.00	15
1969	69.00	13
1970	66.00	11
1971	60.00	9
1972	48.00	6
1973	156.00	25
1974	99.00	21
1975	90.00	20
1976	81.00	17
1977	23.00	1
1978	83.00	18
1979	66.00	10
1980	112.00	23
1981	38.00	2
1982	143.00	24
1983	40.00	5
1984	78.00	14
1985	83.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	53.00	21
1961	85.00	8
1962	78.00	13
1963	49.00	22
1964	64.00	18
1965	54.00	20
1966	23.00	25
1967	88.00	6
1968	86.00	7
1969	66.00	16
1970	67.00	15
1971	45.00	23
1972	101.00	4
1973	128.00	1
1974	84.00	9
1975	83.00	10
1976	73.00	14
1977	23.00	26
1978	107.00	3
1979	82.00	12
1980	94.00	5
1981	64.00	17
1982	109.00	2
1983	44.00	24
1984	83.00	11
1985	63.00	19

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1960	23.00	41.40	83.00	110.00	137.00	77.40	22.70	34.90	16.20	74.40	10.00	2.04
1961	1.97	2.32	2.00	2.16	93.60	327.00	332.00	41.30	44.70	24.10	98.00	49.10
1962	4.34	34.00	15.80	391.00	111.00	191.00	14.90	39.80	44.30	73.00	2.54	7.21
1963	3.85	9.13	5.16	11.50	16.80	366.00	109.00	19.50	16.80	21.10	3.35	2.19
1964	2.29	2.26	1.95	4.12	2.62	276.00	436.00	16.60	15.50	10.20	2.41	2.14
1965	1.73	2.19	2.72	32.60	121.00	184.00	302.00	8.54	2.82	1.89	1.57	2.67
1966	15.00	1.75	3.80	43.50	55.50	36.70	35.30	69.50	5.62	7.69	2.20	3.92
1967	3.55	75.20	316.00	67.50	104.00	255.00	69.40	146.00	6.13	6.84	5.65	2.08
1968	2.96	11.90	312.00	146.00	121.00	97.90	61.50	118.00	112.00	6.57	36.70	3.68
1969	4.69	43.20	103.00	233.00	59.20	44.70	137.00	62.90	52.80	15.30	6.38	23.10
1970	15.60	103.00	24.90	131.00	112.00	112.00	193.00	37.90	23.00	33.90	23.60	1.89
1971	2.26	3.00	14.30	18.90	303.00	89.50	14.80	45.00	53.40	3.49	2.92	8.58
1972	9.80	4.25	189.00	74.40	20.10	141.00	424.00	48.00	31.90	27.90	4.61	237.00
1973	55.20	378.00	200.00	82.50	53.30	336.00	159.00	55.00	159.00	9.24	52.00	2.18
1974	3.67	46.40	148.00	277.00	115.00	163.00	110.00	35.30	37.00	26.50	21.20	25.40
1975	3.82	18.40	184.00	187.00	264.00	176.00	58.30	22.80	62.90	7.94	19.70	4.95
1976	25.30	16.90	103.00	227.00	312.00	122.00	11.50	10.00	40.20	13.30	3.52	2.80
1977	3.98	2.93	2.83	1.83	85.10	100.00	24.50	24.50	8.37	4.14	7.65	18.80
1978	32.60	14.40	320.00	19.80	7.60	494.00	247.00	85.90	10.30	27.70	9.16	2.97
1979	3.37	6.04	31.80	68.00	105.00	203.00	125.00	32.10	44.60	185.00	161.00	16.50
1980	19.30	248.00	103.00	34.80	59.70	311.00	95.00	17.70	187.00	22.80	32.90	3.69
1981	2.99	2.71	5.25	8.76	63.40	17.50	97.90	208.00	305.00	29.10	6.26	22.40
1982	13.40	10.90	64.70	244.00	266.00	456.00	102.00	100.00	41.40	5.20	4.15	1.34
1983	0.90	22.10	98.90	22.00	52.50	27.40	152.00	130.00	12.20	8.38	2.34	1.46
1984	9.38	109.00	131.00	11.50	132.00	245.00	266.00	34.30	8.23	38.40	15.40	4.86
1985	3.75	33.70	79.70	61.20	285.00	191.00	76.10	15.80	17.90	4.93	4.24	4.83

## WABASH RIVER BASIN

03324200 SALAMONIE RIVER AT PORTLAND, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.98	2.98	5.23	17.00	54.90	95.80
FIFTIETH PERCENTILE					
3.91	15.60	81.30	64.30	105.00	180.00
SEVENTY FIFTH PERCENTILE					
15.20	44.00	157.00	156.00	133.00	285.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
52.50	22.00	11.70	6.77	3.24	2.17
FIFTIETH PERCENTILE					
106.00	38.80	34.40	14.30	6.32	3.80
SEVENTY FIFTH PERCENTILE					
207.00	73.60	52.90	28.20	21.80	17.10

## 03324300 SALAMONIE RIVER NEAR WARREN, IN

LOCATION.--Lat 40°42'45", long 85°27'13", in SE¼SE¼ sec.12, T.26 N., R.9 E., Huntington County, Hydrologic Unit 05120102, on right bank at downstream side of bridge on County Road 800 South, 0.4 mi downstream from Detamore ditch, 0.4 mi downstream from Interstate 69, 0.8 mi upstream from concrete and stone dam, 2.4 mi northwest of Warren, and at mile 30.0.

DRAINAGE AREA.--425 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1957 to September 1985.

GAGE.--Water-stage recorder and concrete and stone control. Datum of gage is 784.65 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to July 28, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 386 ft<sup>3</sup>/s, 12.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft<sup>3</sup>/s Feb. 10, 1959, gage height, 17.05 ft; minimum daily, 5.1 ft<sup>3</sup>/s Jan. 2, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1958						1	2	2	3	25	31	12	22	16	15	46	18	23	23	13	12	9	15	8	5	7	8	5	4	3	4	2	2	1	1
1959		1	1	4	15	6	24	16	25	31	12	22	16	15	12	20	19	15	14	9	11	14	15	8	9		8	6	2	3	1	7	3	1	
1960					14	14	1	7	11	18	14	54	49	25	31	12	19	15	11	8	11	4	11	9	6	6	7	4	3	2					
1961					4	64	48	15	11	8	19	19	21	21	21	9	10	10	8	10	8	1	7	6	8	4	9	4	8	7	2	3			
1962				2	5	9	20	14	10	15	14	21	59	30	26	21	19	11	13	13	8	9	9	4	8	1	7	6	4	3	2	2			
1963			14	3	18	27	45	51	41	27	23	18	17	6	7	6	7	6	7	5	9	2	5	2	3	4	7	1			2	2			
1964			22	26	71	44	24	21	8	11	20	12	14	14	8	2	6	9	5	3	5	4	4	3	3	2	2	5	5	3	6	2	2		
1965		2	3	1	85	24	37	15	16	27	23	16	12	3	13	10	8	7	5	5	10	7	7		6	2	4	5	9	3					
1966					13	19	57	74	20	16	10	20	28	14	24	12	11	13	10	6	5	2	5		3	1	1	1							
1967		3	4	19	40	15	15	20	7	12	14	19	20	18	15	16	15	15	11	10	10	9	10	3	7	4	7	6	4	10	2	3	2		
1968		1			4	5	12	27	30	35	42	33	15	23	19	11	14	12	7	9	6	7	8	6	4	5	9	7	5	3	4	3			
1969				3	20	27	31	10	5	5	25	25	16	42	21	35	16	20	10	7	9	5	2	6	4	7	1	3	6	2	2				
1970			5	8	12	7	7	8	4	15	30	19	26	29	35	30	26	14	12	10	10	9	8	5	6	4	8	8	3	1	4	1	1		
1971					5	2	9	34	30	29	31	39	22	31	23	21	17	15	10	9	6	3	5	6	3	3	2	2	5	2	1				
1972					1	4	15	15	18	43	46	18	23	17	32	17	20	12	11	8	9	9	10	7	6	11	4	5	1	3	1				
1973						10	12	33	11	8	14	30	41	23	14	23	17	18	19	18	11	11	6	15	7	16	5	3							
1974					7	27	28	34	20	17	16	11	31	18	22	15	18	10	9	8	10	11	7	8	8	5	10	7	2	4	2				
1975						1	25	37	22	29	30	34	16	28	22	20	14	20	11	9	6	9	4	11	5	8		2	2						
1976			1	11	21	18	12	13	6	23	25	50	21	22	24	12	23	15	11	9	7	5	7	4	2		6	6			4	3	1		
1977		24	21	8	28	39	34	33	27	21	8	14	11	8	14	8	10	10	6	9	4	4	9	3	2	4	1	2	3						
1978			1	1	7	6	4	12	43	63	39	18	15	21	15	14	13	12	8	8	11	10	1	4	2	11	5	3	3	7	4	1	3		
1979					5	6	14	33	33	31	32	28	26	23	20	15	14	13	9	13	9	5	10	9	3	7	1	1	1	2	1	1			
1980						2	1	4	39	35	48	38	35	17	23	12	11	11	16	8	4	10	8	6	10	7	5	4	1						
1981						13	52	45	20	20	30	14	13	22	11	25	14	7	8	9	15	6	9	8	4	6	6	4	1	2	1				
1982					10	13	18	22	38	20	27	24	20	15	15	19	12	13	13	17	10	9	6	8	4	5	6	6	8	4			2	1	
1983			7	21	18	23	19	13	12	7	21	29	26	36	21	22	13	19	11	6	6	7	5	6	6	2	2	3	2	2					
1984			4	1	6	3	7	27	39	41	24	22	16	22	23	11	19	16	10	14	11	7	8	5	8	7	6	5	4						
1985			4	10	14	17	14	23	26	31	28	28	31	24	30	14	9	9	6	8	9	3	6	2	5	2	3	5				2	1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10227	100.00	12	65.0	710	5889	57.58	24	1000.0	181	990	9.68
1	5.1	31	10227	100.00	13	81.0	565	5179	50.64	25	1300.0	116	809	7.91
2	6.4	71	10196	99.70	14	100.0	688	4614	45.12	26	1600.0	180	693	6.78
3	8.1	90	10125	99.00	15	130.0	471	3926	38.39	27	2100.0	142	513	5.02
4	10.0	363	10035	98.12	16	160.0	547	3455	33.78	28	2600.0	130	371	3.63
5	13.0	363	9672	94.57	17	210.0	380	2908	28.43	29	3300.0	96	241	2.36
6	16.0	455	9309	91.02	18	260.0	363	2528	24.72	30	4100.0	67	145	1.42
7	20.0	508	8854	86.57	19	330.0	281	2165	21.17	31	5200.0	48	78	0.76
8	26.0	445	8346	81.61	20	410.0	266	1884	18.42	32	6600.0	20	30	0.29
9	32.0	605	7901	77.26	21	520.0	240	1618	15.82	33	8300.0	8	10	0.10
10	41.0	674	7296	71.34	22	650.0	243	1378	13.47	34	10000.0	2	2	0.02
11	51.0	733	6622	64.75	23	820.0	145	1135	11.10					

## 03324300 SALAMONIE RIVER NEAR WARREN, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 12.6  
 P90 = 16.9  
 P75 = 35.4  
 P70 = 43.0  
 P50 = 83.2  
 P25 = 256.0  
 P10 = 959.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1958	15.00 17	17.00 18	21.00 20	24.00 20	28.00 19	62.00 25	87.00 25	135.00 25	386.00 28
1959	16.00 18	18.00 22	22.00 21	24.00 21	28.00 20	37.00 18	46.00 17	135.00 26	210.00 25
1960	5.80 2	7.40 6	9.00 6	10.00 8	12.00 8	23.00 13	43.00 15	67.00 17	97.00 16
1961	11.00 13	11.00 12	11.00 10	12.00 10	13.00 9	15.00 7	15.00 5	16.00 4	19.00 4
1962	16.00 19	17.00 19	18.00 18	20.00 18	27.00 18	46.00 20	70.00 23	110.00 23	148.00 21
1963	8.30 8	9.70 8	12.00 11	13.00 11	17.00 12	22.00 12	27.00 9	25.00 8	31.00 7
1964	6.50 5	6.50 4	6.80 2	7.30 2	7.50 2	8.50 2	10.00 2	11.00 1	15.00 2
1965	6.00 3	6.20 2	7.40 4	8.90 3	10.00 3	11.00 3	11.00 3	12.00 2	16.00 3
1966	10.00 11	10.00 10	10.00 9	10.00 9	11.00 4	15.00 8	19.00 7	22.00 6	29.00 5
1967	9.70 10	9.70 9	9.90 8	9.90 7	14.00 10	14.00 6	15.00 6	22.00 7	40.00 8
1968	6.00 4	6.30 3	6.80 3	9.30 4	11.00 5	13.00 4	13.00 4	17.00 5	29.00 6
1969	14.00 16	15.00 16	16.00 16	18.00 16	19.00 13	21.00 11	28.00 10	62.00 15	96.00 15
1970	12.00 14	12.00 13	13.00 12	15.00 12	20.00 14	30.00 16	100.00 26	132.00 24	200.00 24
1971	6.60 6	7.00 5	7.80 5	9.70 5	11.00 6	18.00 9	30.00 11	44.00 13	69.00 11
1972	21.00 24	21.00 23	26.00 25	30.00 24	32.00 24	53.00 23	65.00 22	73.00 18	113.00 18
1973	19.00 23	21.00 24	25.00 24	31.00 25	33.00 25	96.00 28	128.00 28	153.00 27	315.00 27
1974	17.00 21	18.00 20	20.00 19	21.00 19	30.00 23	37.00 19	46.00 16	105.00 22	179.00 23
1975	17.00 22	18.00 21	22.00 22	25.00 22	29.00 21	47.00 21	61.00 19	65.00 16	100.00 17
1976	31.00 27	35.00 28	38.00 28	39.00 26	46.00 27	69.00 26	71.00 24	79.00 19	133.00 20
1977	5.10 1	5.40 1	5.90 1	6.00 1	6.10 1	8.00 1	9.60 1	12.00 3	12.00 1
1978	11.00 12	12.00 14	14.00 13	17.00 14	23.00 15	32.00 17	34.00 14	39.00 12	66.00 10
1979	8.30 7	11.00 11	15.00 15	17.00 15	24.00 17	29.00 15	52.00 18	55.00 14	90.00 13
1980	32.00 28	34.00 27	34.00 26	39.00 27	55.00 28	73.00 27	116.00 27	202.00 28	232.00 26
1981	16.00 20	16.00 17	17.00 17	19.00 17	23.00 16	24.00 14	31.00 12	32.00 10	78.00 12
1982	22.00 25	22.00 25	24.00 23	26.00 23	29.00 22	58.00 24	65.00 20	79.00 20	153.00 22
1983	13.00 15	13.00 15	14.00 14	15.00 13	16.00 11	19.00 10	31.00 13	36.00 11	91.00 14
1984	9.50 9	9.50 7	9.70 7	9.90 6	11.00 7	14.00 5	21.00 8	28.00 9	57.00 9
1985	28.00 26	31.00 26	36.00 27	39.00 28	43.00 26	49.00 22	65.00 21	85.00 21	126.00 19

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	10400.00 2	8970.00 3	7150.00 2	4340.00 2	2340.00 5	1490.00 8	1070.00 9	885.00 12	699.00 12
1959	9740.00 3	7470.00 5	4710.00 10	2950.00 9	2730.00 3	1720.00 5	1310.00 5	1270.00 2	955.00 3
1960	3440.00 26	3160.00 26	2210.00 26	1580.00 25	1090.00 25	765.00 25	610.00 25	575.00 24	451.00 25
1961	6420.00 14	6090.00 12	4870.00 8	3500.00 5	2250.00 6	1780.00 4	1390.00 3	1090.00 5	798.00 7
1962	6540.00 13	5650.00 15	3270.00 19	1910.00 23	1390.00 22	1150.00 18	971.00 16	769.00 18	590.00 21
1963	6200.00 15	5670.00 14	3740.00 16	2440.00 16	1570.00 18	1010.00 23	700.00 24	551.00 25	382.00 26
1964	7700.00 8	7090.00 7	4520.00 12	2790.00 13	2230.00 7	1850.00 3	1270.00 6	981.00 7	666.00 15
1965	4080.00 25	3530.00 25	3040.00 20	1930.00 22	1350.00 23	1190.00 15	941.00 18	748.00 21	507.00 22
1966	2320.00 28	1650.00 28	951.00 28	504.00 28	326.00 28	244.00 28	223.00 28	216.00 28	185.00 28
1967	7000.00 11	6740.00 8	5400.00 5	2870.00 12	1720.00 14	1150.00 19	1010.00 13	1050.00 6	902.00 6
1968	6000.00 17	5630.00 16	4850.00 9	2910.00 11	1560.00 19	1250.00 13	984.00 15	870.00 14	702.00 11
1969	6170.00 16	5730.00 13	3870.00 15	2700.00 14	1620.00 17	1080.00 22	775.00 23	768.00 19	594.00 20
1970	7100.00 10	5200.00 18	2890.00 23	1720.00 24	1210.00 24	852.00 24	807.00 21	729.00 22	618.00 18



## 03324300 SALAMONIE RIVER NEAR WARREN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	5400.00	19	4780.00	19	3960.00	14	2380.00	18	1760.00	13	1130.00	20	784.00	22	666.00	23	502.00	23
1972	6740.00	12	6240.00	11	4490.00	13	2940.00	10	2140.00	9	1350.00	10	995.00	14	833.00	15	729.00	9
1973	4850.00	22	4640.00	20	2980.00	22	2440.00	17	1790.00	12	1310.00	11	1030.00	10	906.00	11	979.00	2
1974	7400.00	9	6560.00	9	4910.00	7	3330.00	8	2010.00	10	1540.00	6	1370.00	4	1250.00	3	1010.00	1
1975	5650.00	18	5370.00	17	3310.00	18	2080.00	20	1430.00	21	1090.00	21	1030.00	11	936.00	8	723.00	10
1976	7760.00	7	6460.00	10	4670.00	11	3500.00	6	2340.00	4	1420.00	9	1100.00	7	916.00	10	635.00	16
1977	2920.00	27	2280.00	27	2000.00	27	1260.00	27	848.00	27	627.00	27	508.00	27	390.00	27	269.00	27
1978	9430.00	4	9030.00	2	7230.00	1	5140.00	1	3270.00	1	1960.00	1	1430.00	2	1150.00	4	945.00	4
1979	8320.00	6	7230.00	6	5230.00	6	3330.00	7	1880.00	11	1280.00	12	893.00	20	759.00	20	627.00	17
1980	5210.00	21	4640.00	21	3010.00	21	2030.00	21	1650.00	16	1160.00	17	908.00	19	822.00	16	672.00	13
1981	5280.00	20	4590.00	22	2720.00	24	2230.00	19	1480.00	20	1180.00	16	953.00	17	780.00	17	600.00	19
1982	8840.00	5	7770.00	4	5490.00	4	3560.00	4	2900.00	2	1860.00	2	1480.00	1	1280.00	1	910.00	5
1983	4670.00	23	4060.00	24	2220.00	25	1280.00	26	1010.00	26	717.00	26	522.00	26	446.00	26	475.00	24
1984	4530.00	24	4160.00	23	3390.00	17	2460.00	15	1660.00	15	1210.00	14	1070.00	8	882.00	13	741.00	8
1985	10700.00	1	9490.00	1	6150.00	3	3580.00	3	2220.00	8	1490.00	7	1020.00	12	931.00	9	670.00	14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1958	648.00	25
1959	671.00	27
1960	365.00	12
1961	227.00	5
1962	535.00	23
1963	233.00	6
1964	190.00	2
1965	352.00	10
1966	190.00	3
1967	399.00	15
1968	405.00	16
1969	331.00	9
1970	361.00	11
1971	377.00	13
1972	264.00	8
1973	748.00	28
1974	559.00	24
1975	475.00	22
1976	421.00	18
1977	120.00	1
1978	424.00	19
1979	385.00	14
1980	447.00	21
1981	253.00	7
1982	666.00	26
1983	224.00	4
1984	412.00	17
1985	442.00	20

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	540.00	3
1959	515.00	5
1960	286.00	23
1961	419.00	12
1962	362.00	17
1963	203.00	26
1964	339.00	20
1965	264.00	24
1966	109.00	28
1967	470.00	9
1968	405.00	13
1969	352.00	18
1970	386.00	14
1971	295.00	22
1972	486.00	6
1973	612.00	1
1974	549.00	2
1975	424.00	11
1976	345.00	19
1977	150.00	27
1978	530.00	4
1979	383.00	15
1980	482.00	8
1981	328.00	21
1982	486.00	7
1983	263.00	25
1984	436.00	10
1985	373.00	16

## WABASH RIVER BASIN

03324300 SALAMONIE RIVER NEAR WARREN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	*	*	*	*	*	*	*	*	*	*	*	*
1958	232.00	257.00	1477.0	227.00	225.00	204.00	2565.0	536.00	768.00	1009.0	40.10	129.00
1959	33.70	497.00	121.00	1444.0	1674.0	300.00	243.00	270.00	2312.0	543.00	335.00	46.00
1960	134.00	214.00	349.00	595.00	848.00	412.00	195.00	243.00	150.00	238.00	54.60	13.20
1961	16.30	16.80	16.50	16.60	244.00	1507.0	1996.0	431.00	197.00	103.00	373.00	119.00
1962	29.70	244.00	81.10	1245.0	566.00	1051.0	109.00	342.00	188.00	395.00	42.10	40.70
1963	26.40	41.20	19.10	28.10	41.00	1485.0	450.00	112.00	104.00	77.70	21.80	9.22
1964	8.13	13.70	11.50	26.40	19.20	1413.0	2214.0	121.00	127.00	104.00	12.00	10.90
1965	10.60	20.40	22.60	137.00	448.00	1037.0	1305.0	111.00	29.30	29.20	11.80	28.80
1966	64.10	20.90	39.60	194.00	286.00	195.00	108.00	269.00	59.30	46.40	17.10	15.90
1967	14.00	157.00	1475.0	340.00	628.00	1641.0	490.00	758.00	64.50	23.80	17.60	11.20
1968	23.10	38.60	1300.0	591.00	1033.0	515.00	366.00	399.00	352.00	71.70	158.00	26.60
1969	19.00	107.00	504.00	1240.0	524.00	207.00	721.00	265.00	264.00	150.00	20.20	218.00
1970	332.00	763.00	161.00	554.00	440.00	469.00	1047.0	443.00	149.00	79.20	193.00	23.00
1971	45.40	79.60	148.00	99.10	1823.0	526.00	93.00	289.00	288.00	129.00	32.80	113.00
1972	94.80	71.50	867.00	432.00	92.00	640.00	2055.0	281.00	162.00	220.00	33.30	894.00
1973	312.00	1585.0	1001.0	471.00	342.00	1629.0	855.00	171.00	574.00	69.70	278.00	46.40
1974	31.50	489.00	878.00	1724.0	721.00	879.00	916.00	541.00	176.00	89.60	44.80	102.00
1975	64.60	129.00	829.00	932.00	1298.0	639.00	427.00	219.00	408.00	47.60	102.00	61.90
1976	103.00	107.00	513.00	535.00	1906.0	699.00	74.50	50.30	140.00	50.80	13.10	13.20
1977	16.40	15.30	11.40	6.12	294.00	768.00	295.00	184.00	24.20	41.10	61.00	92.50
1978	114.00	144.00	1306.0	87.80	46.50	2616.0	1183.0	376.00	50.50	209.00	122.00	31.10
1979	32.80	94.50	279.00	274.00	362.00	1604.0	634.00	148.00	303.00	397.00	391.00	60.20
1980	86.10	724.00	617.00	213.00	292.00	1481.0	587.00	136.00	844.00	433.00	311.00	51.80
1981	24.60	23.10	51.20	59.00	450.00	103.00	425.00	909.00	1400.0	344.00	58.90	116.00
1982	76.40	77.40	271.00	828.00	1148.0	2364.0	537.00	207.00	220.00	55.50	54.30	20.80
1983	17.90	239.00	832.00	124.00	236.00	146.00	753.00	639.00	92.10	45.30	24.70	11.10
1984	47.10	343.00	831.00	64.70	818.00	1290.0	1079.0	308.00	123.00	207.00	93.50	48.70
1985	92.90	192.00	360.00	418.00	1598.0	879.00	656.00	93.20	185.00	37.10	35.70	36.10

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

20.00	39.20	58.70	90.60	255.00	441.00
-------	-------	-------	-------	--------	--------

## FIFTIETH PERCENTILE

39.50	118.00	355.00	307.00	449.00	768.00
-------	--------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

94.30	254.00	858.00	594.00	987.00	1483.00
-------	--------	--------	--------	--------	---------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

331.00	160.00	114.00	49.20	23.19	14.60
--------	--------	--------	-------	-------	-------

## FIFTIETH PERCENTILE

634.00	270.00	176.00	89.60	44.80	40.70
--------	--------	--------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

1131.00	415.00	328.00	229.00	140.00	97.20
---------	--------	--------	--------	--------	-------

## 03324500 SALAMONIE RIVER AT DORA, IN

LOCATION.--Lat 40°48'42", long 85°41'02", in NE¼NE¼ sec.12, T.27 N., R.7 E., Wabash County, Hydrologic Unit 05120102, on right bank, 0.4 mi downstream from Salamonie Lake, 1.5 mi northwest of Dora, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--557 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--No gage at present time. Datum of gage was 673.96 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Oct. 9, 1961, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph. Prior to Oct. 1, 1951, nonrecording gage at site 1.5 mi upstream at datum 688.59 ft National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers) and Oct. 1, 1951, to Oct. 8, 1961, water-stage recorder located on left bank 2,000 ft upstream at datum 679.77 ft National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Flow regulated by Salamonie Lake. Daily discharge computed from relation between discharge, head, and gate openings for Salamonie Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--61 years, 511 ft<sup>3</sup>/s, 12.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft<sup>3</sup>/s May 18, 1943, gage height, 14.75 ft, from graph based on gage readings, site and datum then in use; minimum daily, 0.70 ft<sup>3</sup>/s Oct. 30, 1968, result of abnormal regulation.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1925									38	41	38	18	30	29	32	26	12	15	19	10	9	7	7	6	7	2	7	1	1	4	1	2		2	1	
1926								6	5	5	9	31	17	35	40	31	28	13	14	16	15	11	14	11	7	13	7	10	12	6	6	2	1			
1927								1	2	7	14	8	23	48	54	21	14	29	16	29	8	8	10	10	8	10	8	11	10	3	8	4	1			
1928					6	7	6	8	13	17	39	19	25	49	35	8	9	6	9	26	3	8	10	13	16	8	12	2	6	5	1					
1929					1	3	3	3	9	11	21	38	23	38	52	34	3	7	5	12	12	5	4	14	12	15	8	14	8	4	6					
1930					6	41	18	24	4	4	21	24	9	42	49	6	6	14	10	7	22	8	5	6	6	4	6	4	6	5	4	2		2		
1931					2	7	27	34	77	32	39	28	16	12	17	18	10	6	5	12	5	3	4	5	2		3		1							
1932					11	7	14	10	4	17	30	18	28	13	15	17	15	19	13	29	22	14	10	9	14	7	9	8	2	6	3	1	1			
1933					2	26	22	11	21	9	13	16	20	21	26	9	21	22	11	16	13	10	14	10	6	8	8	6	7	10	4	2	1			
1934					5	10	5	6	17	16	15	15	47	40	50	28	16	24	12	12	4	10	5	11	4	2	1	6	1	3						
1935					7	21	30	48	12	15	13	33	27	30	23	17	13	15	7	11	2	10	2	7	10	3	1	1	5	1	1					
1936					1	11	10	7	17	35	41	43	25	26	28	25	12	7	13	20	10	5	4	6	1	2	1	2	1	3	1	2	1		1	1
1937					1	4	12	11	7	23	28	24	12	18	18	9	13	26	20	25	17	18	14	14	11	9	9	10	6	1	2	1	2			
1938					1	7	11	26	29	14	13	41	15	14	21	14	21	24	12	13	17	11	8	5	7	10	6	8	8	1	4	2	2			
1939					7	8	7	8	26	34	37	27	21	28	16	11	15	17	15	9	7	9	14	2	4	5	8	8	4	2	3	1	2	2		
1940					11	26	25	38	32	21	31	26	15	20	16	9	11	10	9	13	9	8	7	5	5	2	3	3	1	4	1					
1941					11	22	45	24	31	26	48	34	28	16	21	13	10	11	4	4	7	4	1	1		2	1	1								
1942					1	1	1	13	26	14	24	30	24	29	34	22	25	20	19	15	12	6	6	6	5	4	2	3	6	6	8	3				
1943					3	16	18	16	16	19	18	20	28	40	26	32	12	15	9	10	12	11	8	6	8	2	7	4	1	2	1	2	1	2		
1944					1	23	43	18	32	56	35	24	14	6	6	4	5	15	13	8	13	8	1	5	4	8	4	5	1	1	1	2				
1945					48	60	42	19	13	15	11	16	10	13	11	8	12	15	11	10	3	4	6	9	5	4	6	6	4	4						
1946					1	4	18	11	14	12	17	17	26	28	31	24	19	13	18	18	17	11	10	12	7	5	9	9	3	8	3					
1947					16	6	39	44	27	14	15	15	14	16	11	13	13	14	11	17	14	5	11	9	7	4	4	6	3	3						
1948					13	23	22	33	22	14	30	30	18	10	19	12	15	12	8	12	11	7	10	5	7	5	6	6	8	5	3					
1949					15	27	17	14	15	17	22	18	15	12	20	33	22	16	13	13	14	10	11	10	5	3	10	2	6	4	1					
1950					2	3	17	37	18	21	20	20	18	19	7	15	17	17	13	18	12	11	9	15	7	12	6	4	10	7	5	4	1			
1951					10	28	19	3	16	24	14	15	24	33	13	19	21	14	14	14	10	6	8	9	14	6	14	5	6	5	1					
1952					17	30	31	22	19	12	14	11	11	18	11	27	18	22	10	13	10	12	10	1	12	10	8	8	1	6	2					
1953					7	20	10	53	27	12	4	17	13	16	31	22	24	18	17	12	8	7	13	14	4	8	3	2	1	2						
1954					11	16	26	68	49	13	19	19	15	21	21	18	13	10	7	6	5	10	6	4	3	2	1	2								
1955					3	11	8	12	10	14	34	32	36	34	18	24	12	14	14	17	11	6	11	12	9	5	4	6	2	2	4					
1956					4	13	6	13	5	42	28	27	27	17	23	11	18	15	15	21	18	12	11	9	6	9	6	8	1	1						
1957					11	25	32	22	18	15	15	21	22	27	19	8	15	18	11	7	7	5	6	3	12	10	4	6	11	6	5	4				
1958					3	10	19	27	17	20	26	31	31	28	26	17	15	13	11	10	9	9	9	8	5	4	3	3	6	1	1	3				
1959					11	10	24	50	13	17	19	19	18	12	21	18	16	15	14	11	14	10	13	3	8	5	3	6	6	4	2	1	2			
1960					1	25	9	19	12	21	38	45	31	27	21	17	17	12	14	9	9	7	7	2	8	4	4	4	3							
1961					41	42	46	18	9	16	21	14	28	14	9	12	12	5	9	6	6	5	8	5	12	4	6	11	2	1	3					
1962					13	19	25	15	28	45	39	24	21	19	20	13	14	12	6	11	8	6	6	4	5	5	3	3	1							
1963					14	21	23	82	51	26	11	17	11	17	15	4	8	11	7	2	6	12	4	5	4	5	3	1	1	4						
1964					1	47	43	64	19	20	25	15	9	16	11	3	6	13	8	2	3	6	5	3	3	3	4	7	5	3	4	2	1			

## 03324500 SALAMONIE RIVER AT DORA, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14610	100.00	12	96.0	800	8103	55.46	24	1400.0	245	1429	9.78
1	8.2	6	14610	100.00	13	120.0	838	7303	49.99	25	1700.0	284	1184	8.10
2	10.0	66	14604	99.96	14	150.0	906	6465	44.25	26	2200.0	192	900	6.16
3	13.0	129	14538	99.51	15	190.0	630	5559	38.05	27	2700.0	220	708	4.85
4	16.0	397	14409	98.62	16	230.0	632	4929	33.74	28	3400.0	182	488	3.34
5	20.0	643	14012	95.91	17	290.0	599	4297	29.41	29	4300.0	124	306	2.09
6	25.0	898	13369	91.51	18	370.0	484	3698	25.31	30	5300.0	98	182	1.25
7	31.0	989	12471	85.36	19	460.0	427	3214	22.00	31	6700.0	44	84	0.57
8	39.0	883	11482	78.59	20	570.0	441	2787	19.08	32	8300.0	26	40	0.27
9	49.0	796	10599	72.55	21	710.0	332	2346	16.06	33	10000.0	12	14	0.10
10	61.0	757	9803	67.10	22	890.0	299	2014	13.79	34	13000.0	2	2	0.01
11	76.0	943	9046	61.92	23	1100.0	286	1715	11.74					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	21.0
P90 =	26.5
P75 =	44.9
P70 =	54.6
P50 =	120.0
P25 =	379.0
P10 =	1370.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1925	25.00 34	31.00 35	34.00 34	37.00 33	38.00 32	38.00 19	41.00 17	59.00 18	132.00 23
1926	31.00 37	33.00 38	36.00 37	39.00 36	47.00 35	64.00 30	107.00 33	120.00 29	132.00 24
1927	34.00 39	36.00 39	38.00 40	59.00 38	110.00 40	150.00 38	155.00 37	250.00 38	828.00 40
1928	22.00 28	22.00 26	24.00 27	32.00 31	36.00 31	217.00 40	214.00 39	295.00 39	366.00 37
1929	19.00 21	23.00 28	24.00 28	45.00 37	57.00 36	84.00 35	98.00 31	99.00 27	154.00 26
1930	23.00 31	26.00 33	35.00 35	80.00 40	106.00 39	113.00 37	179.00 38	298.00 40	524.00 39
1931	15.00 12	16.00 13	16.00 11	18.00 13	20.00 11	23.00 10	25.00 8	28.00 6	30.00 2
1932	12.00 9	13.00 10	16.00 12	20.00 17	32.00 25	58.00 29	76.00 29	78.00 22	108.00 21
1933	10.00 4	10.00 4	11.00 4	12.00 4	16.00 4	56.00 28	64.00 24	85.00 23	107.00 20
1934	19.00 22	19.00 19	20.00 19	21.00 18	24.00 16	55.00 27	69.00 25	90.00 25	197.00 31
1935	8.20 1	8.60 1	9.10 1	10.00 1	18.00 9	35.00 16	42.00 18	56.00 17	59.00 10
1936	16.00 15	17.00 16	18.00 17	23.00 21	27.00 21	30.00 13	38.00 14	46.00 14	57.00 9
1937	9.40 2	10.00 2	11.00 2	12.00 2	16.00 5	21.00 6	28.00 9	32.00 10	90.00 18
1938	15.00 13	21.00 23	22.00 22	25.00 26	35.00 29	75.00 34	77.00 30	97.00 26	243.00 33
1939	24.00 32	25.00 31	27.00 32	32.00 32	33.00 26	38.00 20	53.00 21	62.00 19	83.00 16
1940	11.00 5	11.00 5	12.00 5	13.00 5	16.00 6	21.00 7	51.00 20	45.00 13	66.00 12
1941	11.00 6	12.00 6	12.00 6	12.00 3	13.00 1	15.00 1	17.00 1	21.00 2	45.00 5
1942	10.00 3	10.00 3	11.00 3	13.00 6	14.00 2	15.00 2	22.00 4	29.00 7	45.00 6
1943	22.00 29	23.00 29	24.00 29	26.00 27	29.00 22	54.00 24	110.00 34	169.00 34	269.00 35
1944	25.00 33	25.00 32	26.00 31	27.00 28	30.00 23	36.00 17	40.00 15	54.00 16	80.00 15
1945	12.00 7	13.00 7	14.00 8	14.00 7	16.00 3	19.00 3	19.00 2	20.00 1	22.00 1
1946	18.00 19	18.00 17	18.00 18	18.00 14	26.00 19	65.00 31	72.00 27	199.00 35	179.00 30
1947	12.00 8	13.00 8	15.00 9	17.00 9	18.00 7	20.00 5	24.00 6	25.00 4	60.00 11
1948	19.00 20	19.00 20	21.00 20	22.00 19	27.00 20	33.00 15	36.00 13	53.00 15	74.00 14
1949	16.00 16	16.00 14	17.00 15	19.00 15	22.00 14	30.00 14	33.00 12	87.00 24	153.00 25
1950	21.00 25	22.00 27	22.00 23	24.00 23	33.00 27	54.00 25	71.00 26	130.00 30	164.00 28
1951	30.00 36	31.00 36	36.00 36	38.00 34	61.00 37	165.00 39	239.00 40	220.00 37	291.00 36
1952	21.00 26	21.00 24	23.00 26	25.00 24	25.00 17	25.00 11	30.00 11	44.00 12	97.00 19
1953	23.00 30	24.00 30	25.00 30	28.00 29	34.00 28	40.00 21	50.00 19	68.00 20	88.00 17
1954	15.00 14	15.00 12	16.00 13	18.00 10	20.00 12	22.00 8	23.00 5	26.00 5	48.00 7
1955	13.00 10	13.00 9	13.00 7	15.00 8	21.00 13	55.00 26	61.00 22	68.00 21	109.00 22
1956	14.00 11	14.00 11	15.00 10	19.00 16	25.00 18	72.00 33	150.00 36	157.00 31	167.00 29
1957	17.00 17	18.00 18	18.00 16	18.00 11	19.00 10	22.00 9	25.00 7	30.00 9	69.00 13
1958	27.00 35	28.00 34	28.00 33	29.00 30	36.00 30	71.00 32	106.00 32	162.00 32	479.00 38
1959	36.00 40	36.00 40	37.00 38	39.00 35	40.00 33	47.00 22	62.00 23	163.00 33	259.00 34
1960	21.00 27	22.00 25	22.00 24	23.00 22	44.00 34	51.00 23	75.00 28	103.00 28	155.00 27
1961	20.00 23	20.00 21	21.00 21	22.00 20	24.00 15	26.00 12	28.00 10	29.00 8	33.00 4
1962	32.00 38	33.00 37	37.00 39	64.00 39	79.00 38	105.00 36	123.00 35	199.00 36	233.00 32
1963	20.00 24	20.00 22	23.00 25	25.00 25	31.00 24	37.00 18	40.00 16	40.00 11	51.00 8
1964	17.00 18	17.00 15	17.00 14	18.00 12	18.00 8	19.00 4	22.00 3	23.00 3	31.00 3

## 03324500 SALAMONIE RIVER AT DORA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1925	10600.00 5	8390.00 10	4920.00 16	2500.00 26	1760.00 26	1240.00 26	1170.00 24	997.00 23	718.00 24
1926	9000.00 12	7860.00 13	5090.00 13	3460.00 12	2660.00 13	1770.00 16	1350.00 21	1070.00 21	1010.00 14
1927	10300.00 8	9070.00 5	8560.00 3	5550.00 3	3320.00 4	2540.00 2	2400.00 2	2210.00 2	1700.00 1
1928	7110.00 19	6420.00 21	4360.00 21	3040.00 17	1920.00 22	1250.00 25	1400.00 19	1160.00 18	956.00 16
1929	6460.00 25	5530.00 25	3900.00 27	2490.00 27	2160.00 18	1840.00 15	1510.00 14	1520.00 5	1320.00 3
1930	10500.00 6	9330.00 3	7180.00 4	5480.00 4	3590.00 2	2240.00 5	1720.00 4	1420.00 8	1090.00 11
1931	2960.00 38	1930.00 39	1300.00 39	943.00 38	654.00 38	384.00 39	278.00 39	228.00 39	182.00 39
1932	6010.00 27	4990.00 27	3740.00 28	2740.00 25	1820.00 24	1360.00 23	1120.00 25	923.00 26	752.00 23
1933	9150.00 11	7100.00 16	5880.00 8	3680.00 10	2330.00 16	2090.00 7	1610.00 9	1320.00 13	1270.00 4
1934	3350.00 37	3180.00 37	2110.00 37	1210.00 37	869.00 37	605.00 37	455.00 37	387.00 37	284.00 37
1935	5650.00 28	4980.00 28	4260.00 22	2820.00 23	1530.00 30	1070.00 31	888.00 31	726.00 31	567.00 33
1936	10500.00 7	8540.00 8	5630.00 12	2940.00 20	1760.00 27	1150.00 28	911.00 30	715.00 34	497.00 35
1937	8760.00 13	8240.00 11	5650.00 11	4000.00 9	2780.00 10	1880.00 13	1450.00 16	1380.00 9	1110.00 9
1938	8500.00 14	7580.00 15	4450.00 20	4030.00 8	3230.00 6	2330.00 3	1680.00 5	1430.00 7	1100.00 10
1939	9560.00 9	8550.00 7	4960.00 15	3140.00 16	2420.00 15	1730.00 19	1570.00 11	1220.00 16	870.00 20
1940	4340.00 35	3860.00 34	2890.00 32	2120.00 30	1360.00 32	998.00 33	712.00 36	609.00 36	442.00 36
1941	2450.00 39	2030.00 38	1360.00 38	759.00 40	420.00 40	235.00 40	206.00 40	166.00 40	151.00 40
1942	4810.00 34	4320.00 33	2890.00 33	1900.00 33	1220.00 35	1100.00 29	977.00 28	773.00 29	654.00 26
1943	16100.00 1	13600.00 1	8720.00 2	6190.00 2	3380.00 3	1840.00 14	1500.00 15	1230.00 14	1020.00 12
1944	9160.00 10	8390.00 9	5660.00 10	3350.00 13	2060.00 19	1500.00 21	1210.00 23	941.00 25	630.00 28
1945	5060.00 30	4900.00 29	3530.00 29	1970.00 32	1560.00 28	1170.00 27	1010.00 26	946.00 24	691.00 25
1946	3690.00 36	3560.00 35	2570.00 35	1640.00 36	1140.00 36	736.00 36	780.00 35	646.00 35	645.00 27
1947	6690.00 23	5740.00 24	4490.00 18	2970.00 18	1940.00 21	1760.00 17	1430.00 17	1120.00 20	911.00 18
1948	6170.00 26	5140.00 26	4120.00 25	2920.00 22	2790.00 9	1890.00 12	1540.00 13	1210.00 17	946.00 17
1949	6950.00 21	5770.00 23	3920.00 26	3550.00 11	2640.00 14	2050.00 9	1610.00 10	1340.00 10	1020.00 13
1950	10700.00 4	9330.00 4	6920.00 5	6230.00 1	4590.00 1	3460.00 1	2690.00 1	2360.00 1	1680.00 2
1951	6820.00 22	6470.00 20	4610.00 17	2950.00 19	1970.00 20	1470.00 22	1350.00 20	1320.00 11	1210.00 7
1952	7550.00 17	6820.00 18	4180.00 24	2810.00 24	2180.00 17	1730.00 18	1670.00 7	1500.00 6	1200.00 8
1953	5020.00 31	4660.00 31	2770.00 34	2110.00 31	1550.00 29	1030.00 32	859.00 32	719.00 33	617.00 31
1954	2340.00 40	1730.00 40	1110.00 40	879.00 39	583.00 39	443.00 38	371.00 38	358.00 38	275.00 38
1955	5020.00 32	4510.00 32	2920.00 31	2210.00 29	1330.00 34	952.00 34	989.00 27	855.00 27	613.00 32
1956	4880.00 33	3510.00 36	2110.00 36	1730.00 35	1490.00 31	1090.00 30	809.00 34	721.00 32	625.00 29
1957	8080.00 16	7690.00 14	6700.00 6	4260.00 6	3310.00 5	2000.00 10	1760.00 3	1610.00 4	1270.00 5
1958	12100.00 3	11100.00 2	8940.00 1	5400.00 5	2990.00 8	1950.00 11	1400.00 18	1150.00 19	881.00 19
1959	12900.00 2	8840.00 6	5940.00 7	3310.00 14	3170.00 7	2090.00 8	1680.00 6	1650.00 3	1240.00 6
1960	5100.00 29	4700.00 30	3160.00 30	1820.00 34	1350.00 33	940.00 35	837.00 33	797.00 28	619.00 30
1961	7240.00 18	7050.00 17	5700.00 9	4180.00 7	2710.00 11	2120.00 6	1660.00 8	1320.00 12	989.00 15
1962	7060.00 20	6530.00 19	4210.00 23	2480.00 28	1810.00 25	1510.00 20	1290.00 22	1020.00 22	803.00 22
1963	6620.00 24	6150.00 22	4480.00 19	2930.00 21	1910.00 23	1250.00 24	913.00 29	746.00 30	528.00 34
1964	8410.00 15	7910.00 12	5020.00 14	3230.00 15	2670.00 12	2260.00 4	1560.00 12	1220.00 15	861.00 21

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1925	601.00 27
1926	446.00 19
1927	1020.00 40
1928	983.00 38
1929	495.00 23
1930	1000.00 39
1931	126.00 1
1932	412.00 17
1933	502.00 24
1934	463.00 21
1935	177.00 2
1936	406.00 15
1937	455.00 20
1938	643.00 30
1939	621.00 29
1940	244.00 5

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1925	412.00 25
1926	848.00 3
1927	1070.00 1
1928	699.00 6
1929	734.00 5
1930	595.00 15
1931	118.00 39
1932	434.00 24
1933	739.00 4
1934	194.00 37
1935	314.00 33
1936	267.00 35
1937	691.00 8
1938	655.00 12
1939	471.00 21
1940	241.00 36

## WABASH RIVER BASIN

03324500 SALAMONIE RIVER AT DORA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	194.00	4
1942	252.00	6
1943	441.00	18
1944	516.00	25
1945	349.00	12
1946	493.00	22
1947	285.00	9
1948	618.00	28
1949	723.00	33
1950	863.00	37
1951	744.00	34
1952	653.00	31
1953	408.00	16
1954	191.00	3
1955	390.00	14
1956	386.00	13
1957	283.00	8
1958	830.00	35
1959	844.00	36
1960	524.00	26
1961	287.00	10
1962	713.00	32
1963	311.00	11
1964	276.00	7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1941	94.00	40
1942	401.00	27
1943	629.00	14
1944	335.00	32
1945	369.00	30
1946	403.00	26
1947	492.00	20
1948	517.00	18
1949	594.00	16
1950	971.00	2
1951	698.00	7
1952	646.00	13
1953	367.00	31
1954	157.00	38
1955	387.00	29
1956	440.00	23
1957	681.00	9
1958	681.00	10
1959	676.00	11
1960	399.00	28
1961	526.00	17
1962	505.00	19
1963	284.00	34
1964	444.00	22

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1924	*	*	*	*	*	*	576.00	537.00	1776.0	175.00	60.30	97.90
1925	38.20	40.10	1264.0	356.00	981.00	1344.0	273.00	90.40	167.00	192.00	58.10	162.00
1926	160.00	1440.0	380.00	584.00	1116.0	797.00	1791.0	152.00	202.00	111.00	901.00	2656.0
1927	1069.0	449.00	375.00	1152.0	1689.0	1747.0	1973.0	3014.0	633.00	216.00	231.00	322.00
1928	606.00	421.00	1507.0	618.00	1756.0	528.00	717.00	308.00	1280.0	475.00	148.00	86.00
1929	99.60	159.00	64.40	1274.0	493.00	841.00	1761.0	1652.0	705.00	1305.0	311.00	120.00
1930	209.00	623.00	1249.0	3027.0	658.00	342.00	550.00	144.00	128.00	42.10	109.00	27.00
1931	26.50	21.20	37.20	31.50	57.40	340.00	402.00	62.40	62.80	155.00	35.20	181.00
1932	225.00	203.00	863.00	1768.0	578.00	391.00	427.00	330.00	150.00	134.00	20.30	99.20
1933	111.00	394.00	1413.0	1001.0	298.00	1595.0	1039.0	2090.0	75.50	51.10	123.00	604.00
1934	295.00	57.30	120.00	240.00	88.60	736.00	453.00	57.80	52.70	32.90	124.00	62.10
1935	46.30	75.80	41.70	326.00	168.00	676.00	449.00	1464.0	165.00	233.00	69.30	28.50
1936	31.20	60.60	66.20	129.00	1423.0	795.00	207.00	401.00	56.90	20.80	32.80	33.90
1937	164.00	254.00	184.00	2630.0	984.00	506.00	1310.0	605.00	523.00	657.00	341.00	139.00
1938	112.00	49.80	646.00	284.00	1201.0	1885.0	1903.0	198.00	897.00	564.00	105.00	85.00
1939	34.10	52.20	77.20	221.00	1645.0	1787.0	1265.0	105.00	142.00	320.00	85.80	16.50
1940	102.00	31.50	30.90	148.00	65.40	624.00	1359.0	172.00	282.00	53.20	18.50	13.40
1941	20.70	32.10	140.00	102.00	113.00	46.20	151.00	49.30	419.00	38.30	16.60	13.80
1942	46.80	100.00	84.90	68.70	1062.0	1041.0	853.00	161.00	200.00	170.00	978.00	97.50
1943	29.10	435.00	525.00	536.00	484.00	821.00	261.00	3239.0	282.00	254.00	416.00	213.00
1944	35.00	111.00	41.20	32.10	362.00	900.00	2012.0	444.00	56.20	19.30	21.60	16.20
1945	23.00	25.30	24.40	22.20	387.00	1157.0	969.00	704.00	812.00	76.20	101.00	142.00
1946	481.00	176.00	449.00	650.00	534.00	828.00	96.40	846.00	563.00	149.00	28.70	18.80
1947	24.70	30.30	120.00	737.00	331.00	470.00	1311.0	1136.0	1498.0	122.00	99.10	38.70
1948	27.70	46.20	110.00	673.00	705.00	1671.0	1553.0	834.00	191.00	333.00	31.10	32.20
1949	36.70	437.00	912.00	2585.0	1247.0	518.00	398.00	325.00	347.00	233.00	49.10	64.60
1950	350.00	52.30	572.00	4454.0	2135.0	1418.0	1187.0	259.00	414.00	243.00	82.50	548.00
1951	368.00	906.00	1273.0	1113.0	1692.0	940.00	1088.0	673.00	160.00	182.00	33.70	25.40
1952	34.30	159.00	914.00	1961.0	973.00	1608.0	1200.0	510.00	146.00	42.20	61.60	137.00
1953	34.90	118.00	320.00	526.00	435.00	1364.0	482.00	541.00	111.00	214.00	215.00	22.80
1954	21.80	29.40	29.50	127.00	181.00	308.00	551.00	142.00	318.00	65.40	98.10	25.10
1955	259.00	120.00	377.00	897.00	585.00	1247.0	432.00	97.10	79.40	280.00	235.00	25.80
1956	284.00	927.00	165.00	98.80	1236.0	828.00	350.00	335.00	604.00	402.00	79.10	31.10
1957	20.40	30.10	136.00	485.00	596.00	356.00	3296.0	694.00	1010.0	1341.0	79.70	175.00
1958	266.00	301.00	1834.0	294.00	281.00	377.00	256.00	332.00	2938.0	828.00	403.00	54.70
1959	43.40	612.00	162.00	1502.0	2223.0	922.00	1784.0	557.00	214.00	127.00	58.90	54.10
1960	179.00	354.00	543.00	757.00	1023.0	681.00	340.00	325.00	183.00	325.00	70.30	29.20
1961	27.30	34.80	27.00	28.40	232.00	1805.0	2410.0	546.00	285.00	188.00	532.00	196.00
1962	83.60	416.00	129.00	1641.0	688.00	1457.0	176.00	469.00	323.00	518.00	74.20	76.10
1963	39.90	51.70	34.70	40.90	76.60	1810.0	587.00	266.00	252.00	154.00	42.80	20.90
1964	18.10	26.00	27.30	71.20	49.50	1779.0	2638.0	211.00	200.00	267.00	23.90	20.80

03324500 SALAMONIE RIVER AT DORA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
29.60	41.60	64.80	128.00	285.00	521.00
FIFTIETH PERCENTILE					
46.50	115.00	164.00	531.00	591.00	835.00
SEVENTY FIFTH PERCENTILE					
221.00	411.00	628.00	1142.00	1180.00	1447.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
400.00	167.00	148.00	93.60	39.00	25.60
FIFTIETH PERCENTILE					
717.00	335.00	252.00	188.00	79.70	62.10
SEVENTY FIFTH PERCENTILE					
1456.00	684.00	584.00	323.00	182.00	141.00

## 03324500 SALAMONIE RIVER AT DORA, IN--Continued

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968									1	2	2	10	27	33	12	21	19	7	16	30	37	14	9	11	19	20	29	9	13	5	6	3	2	8	1	
1969		2									14	21	4	38	8	1	13	22	17	28	22	27	11	23	10	39	21	8	13	7	3	8	2	3		
1970			1									1	3	24	27	5	23	15	21	29	15	26	14	22	37	20	17	17	16	7	10	12	3			
1971													5	79	23	32	7	7	17	10	14	7	22	15	40	32	17	9	9	3	5	7	2	3		
1972													16	11	12	7	12	18	36	11	24	16	19	45	31	18	18	8	18	13	22	9	2			
1973													6	15	11	8	4	21	33	20	28	22	39	18	21	10	15	15	25	14	23	17				
1974											2	12	13	25	5	13	13	6	42	14	32	16	41	28	15	15	7	7	8	13	22	9	6	1		
1975												1	7	33	7	14	33	10	13	7	9	37	16	28	58	27	17	21	14	6	7					
1976														2	97	51		1	2	3	4	15	36	10	61	14	9	9	7	13	13	5	6	8		
1977												1	15	105	82	33	7	4	8	7	13	23	12	15	13	12	4	4	5	2						
1978														41			4	6	11	33	36	39	17	8	68	19	12	10	12	7	11	12	17	2		
1979													3	4	1	24	51	46	26	15	17	9	15	50	17	23	29	11	11	2	11					
1980													9	35	3	7	7	14	38	16	33	20	12	31	33	19	14	31	16	19	8	1				
1981															45	34	12	21	5	44	15	10	22	26	76	16	3	3	8	6	2	7	10			
1982															51	4	19	7	15	42	20	12	7	53	23	26	10	15	13	13	15	4	2	14		
1983													36	8	32	24	2	15	4	17	29	30	28	16	17	20	13	7	44	4	8	7	4			
1984														2	46	7	25	13	12	24	20	37	26	32	20	22	9	18	15	13	10	7	5	3		
1985													3	14	103	3	7	6	14	29	13	14	21	38	34	19	15	3	3	2	7	5	4	8		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6575	100.00	12	15.0	154	6478	98.52	24	400.0	601	2352	35.77
1	0.70	2	6575	100.00	13	19.0	232	6324	96.18	25	530.0	400	1751	26.63
2	0.92	1	6573	99.97	14	25.0	715	6092	92.65	26	700.0	265	1351	20.55
3	1.2	0	6572	99.95	15	33.0	251	5377	81.78	27	920.0	239	1086	16.52
4	1.6	0	6572	99.95	16	44.0	255	5126	77.96	28	1200.0	214	847	12.88
5	2.1	0	6572	99.95	17	58.0	252	4871	74.08	29	1600.0	178	633	9.63
6	2.8	0	6572	99.95	18	76.0	277	4619	70.25	30	2100.0	169	455	6.92
7	3.7	0	6572	99.95	19	100.0	476	4342	66.04	31	2800.0	149	286	4.35
8	4.8	1	6572	99.95	20	130.0	322	3866	58.80	32	3600.0	83	137	2.08
9	6.4	2	6571	99.94	21	170.0	392	3544	53.90	33	4800.0	52	54	0.82
10	8.4	16	6569	99.91	22	230.0	340	3152	47.94	34	6300.0	2	2	0.03
11	11.0	75	6553	99.67	23	300.0	460	2812	42.77					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 21.0  
 P90 = 27.0  
 P75 = 54.7  
 P70 = 77.5  
 P50 = 209.0  
 P25 = 575.0  
 P10 = 1560.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	0.70 1	8.60 1	8.90 1	14.00 3	18.00 3	66.00 7	202.00 12	176.00 8	233.00 6
1970	0.85 2	9.80 2	10.00 2	11.00 1	18.00 4	33.00 5	204.00 13	219.00 10	273.00 10
1971	16.00 8	22.00 9	23.00 8	25.00 10	36.00 14	128.00 14	225.00 15	229.00 11	257.00 9
1972	14.00 5	14.00 5	14.00 4	15.00 4	16.00 2	17.00 1	18.00 1	50.00 2	104.00 2
1973	15.00 6	16.00 6	17.00 6	20.00 7	49.00 15	152.00 15	191.00 11	265.00 14	533.00 17
1974	27.00 17	31.00 17	32.00 16	47.00 16	98.00 17	187.00 16	313.00 17	329.00 15	405.00 14
1975	11.00 3	13.00 3	16.00 5	17.00 5	20.00 5	69.00 8	126.00 8	167.00 7	287.00 12
1976	15.00 7	24.00 10	24.00 9	25.00 11	30.00 12	69.00 9	167.00 9	245.00 13	246.00 7
1977	18.00 9	24.00 11	25.00 12	25.00 12	25.00 6	25.00 3	25.00 2	29.00 1	89.00 1
1978	24.00 12	24.00 12	24.00 10	24.00 8	26.00 8	26.00 4	26.00 3	61.00 3	132.00 3
1979	25.00 15	26.00 16	26.00 13	26.00 13	26.00 9	119.00 13	215.00 14	217.00 9	295.00 13
1980	24.00 13	24.00 13	34.00 17	50.00 17	93.00 16	243.00 17	309.00 16	372.00 17	445.00 16
1981	24.00 14	24.00 14	24.00 11	24.00 9	25.00 7	91.00 12	167.00 10	240.00 12	285.00 11
1982	26.00 16	26.00 15	26.00 14	29.00 15	31.00 13	79.00 11	101.00 6	369.00 16	440.00 15
1983	18.00 10	18.00 7	18.00 7	19.00 6	27.00 10	60.00 6	66.00 5	139.00 5	216.00 5
1984	13.00 4	13.00 4	13.00 3	13.00 2	14.00 1	20.00 2	65.00 4	92.00 4	192.00 4
1985	18.00 11	18.00 8	26.00 15	26.00 14	27.00 11	74.00 10	122.00 7	149.00 6	250.00 8



## 03324500 SALAMONIE RIVER AT DORA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	6330.00 2	6110.00 2	5390.00 3	3090.00 8	1910.00 13	1410.00 8	1260.00 6	1090.00 6	784.00 11
1969	6040.00 4	5550.00 4	4530.00 6	2960.00 11	1970.00 11	1320.00 10	961.00 12	813.00 13	653.00 14
1970	3900.00 13	3610.00 13	2750.00 16	2250.00 15	1300.00 16	1080.00 15	815.00 15	749.00 15	704.00 12
1971	4640.00 10	4180.00 10	3350.00 12	2380.00 14	1670.00 14	1070.00 16	760.00 16	648.00 16	554.00 17
1972	4270.00 11	3810.00 12	3000.00 14	2820.00 12	2110.00 8	1200.00 14	991.00 11	815.00 12	830.00 8
1973	4670.00 9	4210.00 9	3830.00 9	2990.00 10	2360.00 7	1940.00 5	1560.00 4	1460.00 3	1190.00 3
1974	6460.00 1	6210.00 1	5520.00 2	4030.00 4	2920.00 4	2110.00 2	1720.00 2	1540.00 2	1260.00 1
1975	3520.00 16	3350.00 15	3150.00 13	2130.00 16	1600.00 15	1250.00 13	1170.00 9	1060.00 7	879.00 7
1976	5650.00 5	5380.00 5	5170.00 4	4720.00 2	3390.00 2	1970.00 4	1460.00 5	1300.00 4	1120.00 4
1977	2650.00 18	2070.00 18	1730.00 18	1060.00 18	762.00 18	501.00 18	388.00 18	300.00 18	255.00 18
1978	4900.00 8	4710.00 8	4510.00 7	3560.00 6	3220.00 3	2050.00 3	1570.00 3	1270.00 5	1090.00 5
1979	3560.00 15	3510.00 14	3390.00 11	3000.00 9	2100.00 9	1290.00 11	906.00 14	780.00 14	683.00 13
1980	3670.00 14	3240.00 16	2910.00 15	2640.00 13	1970.00 12	1270.00 12	914.00 13	896.00 10	805.00 10
1981	3970.00 12	3950.00 11	3920.00 8	3730.00 5	2600.00 6	1450.00 7	1090.00 10	868.00 11	633.00 15
1982	6150.00 3	6060.00 3	5950.00 1	5570.00 1	3950.00 1	2500.00 1	1920.00 1	1660.00 1	1240.00 2
1983	2960.00 17	2900.00 17	2530.00 17	1860.00 17	1020.00 17	987.00 17	743.00 17	623.00 17	584.00 16
1984	5450.00 6	4990.00 7	3670.00 10	3140.00 7	2090.00 10	1380.00 9	1180.00 8	1030.00 8	890.00 6
1985	5110.00 7	5050.00 6	5010.00 5	4550.00 3	2820.00 5	1640.00 6	1250.00 7	1030.00 9	813.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	444.00 5
1970	465.00 6
1971	480.00 7
1972	355.00 2
1973	828.00 16
1974	918.00 17
1975	626.00 11
1976	685.00 14
1977	163.00 1
1978	361.00 3
1979	720.00 15
1980	608.00 10
1981	429.00 4
1982	662.00 13
1983	593.00 9
1984	484.00 8
1985	644.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	509.00 11
1969	464.00 14
1970	531.00 10
1971	330.00 17
1972	604.00 7
1973	881.00 1
1974	752.00 2
1975	560.00 9
1976	607.00 6
1977	198.00 18
1978	727.00 3
1979	503.00 12
1980	647.00 5
1981	462.00 15
1982	726.00 4
1983	390.00 16
1984	574.00 8
1985	474.00 13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	310.00	109.00	1840.0	223.00	1715.0	543.00	73.90	80.30	480.00	82.50	363.00	327.00
1969	589.00	216.00	354.00	878.00	1687.0	297.00	280.00	226.00	359.00	312.00	25.50	444.00
1970	846.00	1038.0	524.00	142.00	938.00	503.00	379.00	1063.0	159.00	130.00	465.00	210.00
1971	412.00	474.00	208.00	125.00	952.00	1208.0	16.00	17.30	21.40	142.00	21.60	413.00
1972	459.00	390.00	1193.0	638.00	136.00	774.00	181.00	1946.0	252.00	325.00	57.30	838.00
1973	1371.0	795.00	2312.0	1198.0	488.00	94.40	2201.0	323.00	801.00	146.00	605.00	208.00
1974	393.00	363.00	975.00	1278.0	2887.0	1021.0	760.00	817.00	260.00	98.30	68.40	270.00
1975	410.00	731.00	1074.0	670.00	1042.0	1342.0	82.80	163.00	722.00	54.40	98.50	371.00
1976	647.00	994.00	787.00	627.00	656.00	3001.0	76.20	46.30	24.90	25.00	25.00	341.00
1977	496.00	91.10	38.80	35.00	36.20	706.00	265.00	162.00	26.00	26.00	217.00	252.00
1978	450.00	679.00	874.00	917.00	121.00	317.00	3033.0	846.00	576.00	322.00	96.20	492.00
1979	464.00	148.00	289.00	314.00	112.00	1928.0	610.00	100.00	395.00	447.00	600.00	577.00
1980	546.00	427.00	857.00	616.00	377.00	1718.0	481.00	25.40	903.00	506.00	960.00	312.00
1981	484.00	421.00	111.00	104.00	522.00	341.00	30.80	126.00	189.00	2543.0	171.00	486.00
1982	426.00	439.00	361.00	790.00	789.00	1563.0	3398.0	395.00	380.00	107.00	47.60	72.30
1983	355.00	629.00	728.00	675.00	314.00	58.90	527.00	985.00	158.00	58.20	13.90	175.00
1984	422.00	528.00	1169.0	108.00	1145.0	549.00	1871.0	532.00	164.00	217.00	115.00	114.00
1985	478.00	431.00	231.00	627.00	170.00	2727.0	363.00	24.90	101.00	32.50	49.70	402.00

WABASH RIVER BASIN  
03324500 SALAMONIE RIVER AT DORA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
412.00	326.00	275.00	138.00	162.00	335.00
FIFTIETH PERCENTILE					
462.00	435.00	758.00	627.00	589.00	740.00
SEVENTY FIFTH PERCENTILE					
557.00	692.00	1098.00	812.00	1068.00	1602.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
81.10	71.80	144.00	57.20	42.10	210.00
FIFTIETH PERCENTILE					
371.00	195.00	256.00	136.00	97.30	334.00
SEVENTY FIFTH PERCENTILE					
1038.00	824.00	504.00	323.00	389.00	455.00

## 03325000 WABASH RIVER AT WABASH, IN

LOCATION.--Lat 40°47'25", long 85°49'13", in SE¼NW¼ sec.14, T.27 N., R.6 E., Wabash County, Hydrologic Unit 05120101, on right bank on upstream side of Wabash Street bridge in Wabash, 7.1 mi downstream from Salamonie River, and at mile 387.2.

DRAINAGE AREA.--1,768 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 642.66 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1954, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Huntington Lake and Salamonie Lake.

AVERAGE DISCHARGE.--62 years, 1,495 ft<sup>3</sup>/s, 11.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,600 ft<sup>3</sup>/s May 18, 1943; maximum gage height, 24.44 ft Feb. 11, 1959 (ice jam); minimum daily discharge, 19 ft<sup>3</sup>/s July 21, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.7 ft Mar. 26, 1913, from floodmark, determined by Corps of Engineers, discharge, 90,000 ft<sup>3</sup>/s, from rating curve extended above 49,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1924							2	21	11	12	11	7	16	12	18	13	12	28	28	32	14	16	17	16	21	16	13	12	9	5	3	1				
1925				8	6	12	27	25	16	10	16	28	28	15	24	31	17	21	15	17	5	4	4	14	1	8	1	3	1	2	2	3	1			
1926						6	4	5	7	10	12	10	27	24	43	30	33	29	17	9	18	8	12	8	12	13	11	10	4	1	1	1				
1927			1	7	13	13	12	7	8	4	5	9	12	23	35	26	44	25	15	17	7	14	11	10	13	11	9	6	4	4						
1928				1	16	7	13	25	18	20	12	15	14	19	24	29	31	11	24	14	16	8	16	8	10	5	3	5	1	1						
1929				4	14	23	18	9	44	13	15	10	12	30	12	16	24	9	13	14	14	15	21	6	11	8	5	4	1							
1930				6	36	41	13	13	15	17	11	10	12	18	12	24	31	10	15	19	14	8	2	9	6	6	3	5	5	1	2	1				
1931				4	12	51	55	47	42	43	16	15	19	14	5	9	11	11		5	1	2	1	1		1										
1932			7	12	18	10	21	26	15	23	14	16	26	17	15	24	18	29	9	15	12	7	8	8	9	2	2	1	2							
1933				6	20	17	15	20	15	11	9	21	31	24	20	17	24	11	8	15	10	10	11	10	8	13	3	9	5	2						
1934	8	5	3	11	11	19	16	19	36	22	23	34	32	26	23	15	13	12	3	6	6	8	1	5	5	2	1									
1936	1	10	5	10	33	36	21	24	39	29	25	20	22	12	10	8	10	17	7	3	3	2	4	3	2	2	3			2	1	2				
1937						1		7	26	18	17	12	15	18	14	19	17	38	21	24	20	18	14	16	12	15	11	7	1	1	2	1				
1938							9	27	31	12	10	27	29	15	12	23	29	21	20	16	13	12	8	8	15	6	6	6	2	5	2	1				
1939				5	13	8	11	58	23	19	22	11	22	18	18	27	9	18	15	6	9	5	8	6	5	7	3	8	3	1	3	1				
1940				1	6	45	27	36	33	20	26	8	8	17	17	13	16	23	18	14	4	8	3	4	6	3	5	2	1	1	1					
1941			14	15	20	25	6	35	30	40	41	36	22	16	17	14	8	2	5	5	3	4	1	1	1	2	2									
1942	1	1		1	1	12	7	10	38	32	32	28	34	17	19	25	19	21	6	5	5	7	9	5	7	6	10	4	3							
1943						6	19	11	11	19	14	22	31	26	40	24	27	13	13	12	24	8	10	6	5	7	5	4	2	2	2	1	1			
1944			12	19	18	16	12	26	57	61	12	10	7	6	3	2	9	22	12	4	11	11	7	6	7	3	4	3	2	1	2	1				
1945			2	17	8	30	55	29	21	17	12	13	13	9	14	13	20	16	8	7	10	6	9	9	4	9	7	2	5							
1946			7	12	16	11	8	6	14	12	35	19	31	26	27	21	16	19	9	4	13	9	11	11	10	8	6	4								
1947			2	14	1	3	12	33	32	27	32	20	15	20	7	12	13	17	16	11	11	15	11	10	12	3	6	6	2	1	1					
1948			9	9	6	2	9	25	16	16	48	42	18	14	17	17	14	9	9	3	10	7	11	9	9	13	4	4	2							
1949					5	17		10	14	29	14	18	27	21	13	12	26	33	14	17	13	17	11	13	9	10	10	2	6	3	1					
1950							3	19	35	20	28	22	20	21	13	11	13	20	17	12	18	15	15	8	16	5	7	9	6	7	3	2				
1951					4	25		10	16	17	14	13	12	23	35	17	20	22	14	14	11	20	13	11	14	15	9	3	9	3	1					
1952					12	24	16	21	26	11	11	15	18	14	13	19	25	18	13	17	15	11	14	19	7	4	8	6	8	1						
1953				16	11	12	25	38	23	7	6	9	17	17	19	29	26	25	15	13	12	9	10	13	5	4	1	1	1	1						
1954				17	15	16	70	55	18	12	20	20	16	14	19	13	12	7	13	9	5	6	5	2	1											
1955				8	11	13	7	8	23	32	38	37	19	19	22	17	17	14	9	12	11	11	8	9	6	8	1	2	2	1						
1956				12	4	5	6	11	27	17	27	34	25	19	26	16	16	13	15	22	12	14	15	13	9	5	1	1	1							
1957			8	13	14	27	18	19	13	10	12	16	16	23	33	22	12	14	5	11	8	10	14	8	12	6	7	4	4	3	3					
1958						7	2	12	19	25	23	20	39	37	39	24	21	14	13	10	15	10	12	3	4	3	3	5	1	3	1					
1959				6	9	16	31	15	20	51	17	10	8	12	18	20	16	13	21	19	15	10	9	3	5	5	6	4	2	3	1					
1960				5	13	12	11	19	23	19	42	37	34	22	26	23	16	5	13	11	10	5	4	9	2	4	1									
1961				2	35	45	42	12	13	16	22	17	17	25	15	13	13	8	7	7	5	10	10	6	5	5	8	3	3	1						
1962				1	5	20	13	10	20	25	33	47	23	16	24	20	21	14	11	19	9	5	5	4	5	5	3	7								
1963			8	15	11	20	54	67	27	21	19	18	21	8	6	4	13	9	8	9	4	2	6	7	2	1	1	3	1							
1964	1	27	11	28	62	39	17	19	14	19	11	10	12	9	8	10	11	9	3	4	5	2	6	5	6	6	6	2	2	2						

## 03325000 WABASH RIVER AT WABASH, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14611	100.00	12	220.0	783	9177	62.81	24	3700.0	364	1617	11.07
1	17.0	10	14611	100.00	13	280.0	826	8394	57.45	25	4700.0	316	1253	8.58
2	21.0	31	14601	99.93	14	360.0	724	7568	51.80	26	5900.0	267	937	6.41
3	27.0	111	14570	99.72	15	450.0	763	6844	46.84	27	7500.0	231	670	4.59
4	34.0	222	14459	98.96	16	570.0	723	6081	41.62	28	9500.0	149	439	3.00
5	43.0	339	14237	97.44	17	720.0	761	5358	36.67	29	12000.0	132	290	1.98
6	55.0	580	13898	95.12	18	910.0	819	4597	31.46	30	15000.0	81	158	1.08
7	69.0	897	13318	91.15	19	1200.0	517	3778	25.86	31	19000.0	46	77	0.53
8	88.0	824	12421	85.01	20	1500.0	415	3261	22.32	32	24000.0	24	31	0.21
9	110.0	821	11597	79.37	21	1800.0	450	2846	19.48	33	31000.0	6	7	0.05
10	140.0	852	10776	73.75	22	2300.0	410	2396	16.40	34	39000.0	1	1	0.01
11	180.0	747	9924	67.92	23	2900.0	369	1986	13.59					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 55.4  
 P90 = 72.6  
 P75 = 133.0  
 P70 = 166.0  
 P50 = 393.0  
 P25 = 1270.0  
 P10 = 4130.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1925	55.00 23	58.00 24	62.00 23	62.00 22	95.00 28	151.00 25	176.00 22	196.00 20	531.00 29
1926	29.00 8	29.00 6	31.00 6	34.00 6	51.00 13	90.00 18	182.00 24	202.00 23	258.00 14
1927	55.00 24	58.00 25	65.00 26	113.00 35	414.00 39	492.00 39	509.00 38	750.00 39	2050.00 39
1928	42.00 16	52.00 19	58.00 21	60.00 20	69.00 18	150.00 24	210.00 27	230.00 25	470.00 24
1929	51.00 20	53.00 20	54.00 18	60.00 21	60.00 14	67.00 10	87.00 13	105.00 12	269.00 17
1930	64.00 29	70.00 30	75.00 30	78.00 27	88.00 25	155.00 26	408.00 36	733.00 38	1090.00 37
1931	43.00 17	50.00 17	51.00 17	58.00 18	64.00 16	68.00 11	74.00 7	81.00 7	88.00 3
1932	39.00 14	40.00 15	45.00 15	51.00 15	70.00 19	95.00 19	136.00 20	160.00 17	188.00 12
1933	29.00 9	30.00 8	33.00 10	34.00 7	41.00 6	165.00 29	176.00 21	230.00 26	289.00 20
1934	47.00 19	52.00 18	56.00 19	58.00 19	75.00 23	112.00 21	127.00 18	202.00 24	524.00 28
1936	28.00 6	30.00 9	32.00 7	40.00 11	46.00 10	53.00 8	83.00 12	109.00 13	140.00 9
1937	19.00 1	20.00 1	22.00 1	30.00 3	47.00 11	71.00 12	82.00 11	102.00 10	289.00 21
1938	90.00 35	96.00 35	98.00 34	106.00 33	123.00 33	248.00 34	263.00 29	323.00 29	715.00 34
1939	63.00 27	68.00 28	68.00 27	70.00 25	73.00 22	82.00 16	117.00 17	146.00 15	258.00 15
1940	28.00 7	29.00 7	33.00 8	36.00 8	40.00 5	50.00 6	112.00 16	112.00 14	166.00 11
1941	32.00 11	34.00 11	38.00 11	40.00 12	44.00 7	50.00 7	56.00 2	67.00 4	136.00 7
1942	19.00 2	21.00 2	22.00 2	22.00 1	29.00 1	34.00 1	77.00 8	103.00 11	139.00 8
1943	64.00 28	69.00 29	82.00 32	89.00 31	97.00 29	162.00 28	326.00 33	558.00 34	681.00 33
1944	80.00 33	90.00 34	101.00 35	107.00 34	116.00 31	126.00 22	133.00 19	197.00 21	271.00 18
1945	27.00 4	28.00 4	29.00 4	31.00 4	36.00 3	49.00 5	58.00 4	61.00 2	78.00 2
1946	58.00 26	60.00 26	64.00 25	67.00 24	91.00 27	292.00 36	350.00 35	637.00 37	586.00 32
1947	30.00 10	31.00 10	33.00 9	36.00 9	36.00 4	44.00 3	59.00 5	69.00 5	144.00 10
1948	80.00 34	83.00 33	86.00 33	90.00 32	129.00 34	156.00 27	177.00 23	200.00 22	268.00 16
1949	28.00 5	28.00 5	29.00 5	32.00 5	47.00 12	71.00 13	81.00 10	169.00 18	337.00 22
1950	109.00 38	116.00 38	125.00 37	141.00 38	165.00 36	223.00 32	272.00 30	421.00 30	543.00 30
1951	102.00 36	107.00 36	128.00 38	136.00 37	185.00 37	331.00 38	576.00 39	564.00 35	723.00 35
1952	56.00 25	57.00 23	62.00 22	66.00 23	70.00 20	77.00 15	107.00 15	152.00 16	397.00 23
1953	70.00 31	71.00 31	74.00 29	86.00 29	90.00 26	107.00 20	183.00 25	188.00 19	287.00 19
1954	38.00 12	39.00 13	40.00 12	40.00 10	45.00 8	47.00 4	57.00 3	66.00 3	103.00 5
1955	38.00 13	38.00 12	41.00 13	48.00 14	70.00 21	181.00 30	190.00 26	251.00 27	523.00 27
1956	46.00 18	46.00 16	49.00 16	54.00 16	69.00 17	228.00 33	445.00 37	476.00 32	500.00 25
1957	40.00 15	40.00 14	41.00 14	42.00 13	46.00 9	56.00 9	69.00 6	91.00 8	195.00 13
1958	78.00 32	80.00 32	81.00 31	87.00 30	110.00 30	294.00 37	336.00 34	538.00 33	1420.00 38
1959	107.00 37	108.00 37	110.00 36	114.00 36	158.00 35	215.00 31	285.00 31	573.00 36	819.00 36
1960	65.00 30	67.00 27	68.00 28	78.00 28	121.00 32	138.00 23	213.00 28	279.00 28	584.00 31
1961	53.00 21	55.00 21	57.00 20	58.00 17	62.00 15	71.00 14	77.00 9	80.00 6	95.00 4
1962	133.00 39	136.00 39	142.00 39	192.00 39	238.00 38	271.00 35	295.00 32	447.00 31	520.00 26
1963	54.00 22	57.00 22	63.00 24	72.00 26	81.00 24	84.00 17	94.00 14	93.00 9	104.00 6
1964	26.00 3	27.00 3	27.00 3	28.00 2	30.00 2	35.00 2	43.00 1	48.00 1	69.00 1

## 03325000 WABASH RIVER AT WABASH, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1924	23700.00 14	18900.00 16	14200.00 16	9010.00 19	6050.00 19	5080.00 17	4370.00 15	4650.00 6	3750.00 6
1925	28000.00 8	22300.00 11	14900.00 13	8360.00 23	5750.00 22	4010.00 23	3470.00 25	3060.00 23	2140.00 27
1926	24900.00 12	21600.00 12	14100.00 17	9460.00 15	6420.00 17	4460.00 22	3660.00 23	2910.00 25	2600.00 18
1927	22600.00 15	21300.00 13	14400.00 14	8790.00 21	6740.00 16	5250.00 15	5120.00 6	4950.00 5	3810.00 5
1928	21600.00 18	17700.00 20	12200.00 23	8060.00 25	5820.00 20	3860.00 26	3680.00 22	3150.00 22	2510.00 20
1929	15300.00 29	13200.00 30	10600.00 29	6730.00 28	4300.00 32	3940.00 25	3640.00 24	3460.00 17	3060.00 13
1930	31100.00 5	28800.00 5	21600.00 5	16400.00 3	10700.00 4	6880.00 2	5450.00 4	4510.00 7	3480.00 9
1931	5980.00 40	4670.00 39	2680.00 40	2080.00 40	1560.00 40	975.00 39	721.00 40	597.00 40	453.00 40
1932	14800.00 32	13400.00 28	9770.00 30	7120.00 27	4720.00 30	3270.00 31	2590.00 32	2130.00 33	1700.00 33
1933	22200.00 16	17800.00 19	15300.00 12	10200.00 12	6250.00 18	5950.00 8	4620.00 10	3780.00 13	3610.00 7
1934	7970.00 37	6060.00 38	5160.00 37	3570.00 37	2610.00 37	1770.00 37	1310.00 37	1140.00 37	840.00 37
1936	29000.00 6	25700.00 7	18100.00 7	9640.00 14	5740.00 23	3580.00 29	2770.00 30	2140.00 32	1470.00 34
1937	25800.00 10	23200.00 9	16200.00 9	12200.00 6	8590.00 7	5930.00 9	4430.00 14	4320.00 8	3410.00 10
1938	24500.00 13	20000.00 14	13100.00 19	11500.00 9	8890.00 6	6270.00 5	4600.00 11	3880.00 12	3050.00 14
1939	27500.00 9	24100.00 8	16000.00 10	10400.00 11	7680.00 11	5190.00 16	4560.00 12	3540.00 16	2460.00 21
1940	16400.00 27	12900.00 33	7820.00 35	5210.00 34	3680.00 35	3010.00 33	2310.00 35	1880.00 35	1410.00 35
1941	7160.00 38	6560.00 37	4860.00 38	2830.00 38	1590.00 39	885.00 40	791.00 39	646.00 39	505.00 39
1942	12800.00 35	12200.00 34	8850.00 31	5900.00 33	3840.00 33	3510.00 30	3160.00 28	2480.00 29	1980.00 30
1943	47800.00 1	38600.00 1	26900.00 1	19400.00 1	10900.00 3	5910.00 10	4840.00 8	3960.00 11	3270.00 11
1944	24900.00 11	22300.00 10	16900.00 8	11400.00 10	7130.00 15	4930.00 18	4080.00 20	3230.00 20	2160.00 25
1945	13900.00 34	13300.00 29	10900.00 28	6000.00 32	4830.00 28	3780.00 27	3230.00 27	2890.00 26	2210.00 23
1946	11300.00 36	9870.00 36	6270.00 36	5080.00 35	3240.00 36	2410.00 36	2530.00 33	2050.00 34	1990.00 29
1947	20900.00 20	15700.00 23	12800.00 21	8480.00 22	5440.00 25	4910.00 19	4110.00 17	3240.00 19	2640.00 17
1948	18000.00 25	14300.00 27	12000.00 24	8950.00 20	7630.00 12	5360.00 14	4560.00 13	3600.00 15	2800.00 15
1949	21900.00 17	17300.00 22	11400.00 26	9750.00 13	7870.00 9	6200.00 6	4850.00 7	4030.00 9	3060.00 12
1950	33500.00 3	29700.00 2	21200.00 6	18700.00 2	13700.00 1	10600.00 1	8370.00 1	7480.00 1	5340.00 1
1951	21200.00 19	17500.00 21	14200.00 15	9320.00 16	5750.00 21	4590.00 20	4210.00 16	4010.00 10	3600.00 8
1952	20000.00 22	18200.00 18	12300.00 22	9210.00 17	7560.00 13	5810.00 12	5510.00 3	4980.00 4	4010.00 2
1953	15000.00 30	13000.00 31	8420.00 34	6520.00 31	4780.00 29	3220.00 32	2750.00 31	2290.00 30	1860.00 31
1954	6360.00 39	4300.00 40	2800.00 39	2170.00 39	1710.00 38	1220.00 38	1080.00 38	1010.00 38	766.00 38
1955	19700.00 24	15500.00 24	13000.00 20	8130.00 24	5580.00 24	3590.00 28	3310.00 26	2860.00 27	2150.00 26
1956	15500.00 28	12900.00 32	8490.00 33	6720.00 29	5410.00 26	3970.00 24	2910.00 29	2600.00 28	2120.00 28
1957	28000.00 7	26300.00 6	22500.00 3	14700.00 5	11100.00 2	6860.00 3	5560.00 2	5010.00 3	3890.00 3
1958	31200.00 4	29300.00 4	25000.00 2	15100.00 4	8440.00 8	5400.00 13	4090.00 19	3300.00 18	2540.00 19
1959	38600.00 2	29500.00 3	21600.00 4	12000.00 7	10000.00 5	6440.00 4	5230.00 5	5130.00 2	3830.00 4
1960	14400.00 33	11600.00 35	8520.00 32	5070.00 36	3700.00 34	2750.00 35	2370.00 34	2260.00 31	1750.00 32
1961	19900.00 23	18500.00 17	15700.00 11	12000.00 8	7800.00 10	5960.00 7	4660.00 9	3650.00 14	2660.00 16
1962	14800.00 31	14500.00 26	11100.00 27	6680.00 30	5300.00 27	4510.00 21	3690.00 21	2920.00 24	2180.00 24
1963	17000.00 26	15200.00 25	11600.00 25	7350.00 26	4710.00 31	3000.00 34	2150.00 36	1750.00 36	1220.00 36
1964	20200.00 21	19000.00 15	13800.00 18	9060.00 18	7320.00 14	5820.00 11	4100.00 18	3180.00 21	2220.00 22

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1925	1860.00 28
1926	1060.00 12
1927	2600.00 37
1928	2080.00 32
1929	1240.00 15
1930	2670.00 38
1931	298.00 1
1932	915.00 11
1933	1370.00 21
1934	1290.00 17
1936	1130.00 13
1937	1460.00 22
1938	1800.00 26
1939	1830.00 27
1940	737.00 6
1941	548.00 3
1942	845.00 10
1943	1340.00 18
1944	1710.00 25
1945	1200.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1924	2400.00 2
1925	1180.00 27
1926	2100.00 7
1927	2380.00 3
1928	1670.00 17
1929	1690.00 16
1930	1840.00 13
1931	276.00 40
1932	975.00 33
1933	2050.00 11
1934	570.00 37
1936	787.00 34
1937	2170.00 5
1938	1840.00 14
1939	1320.00 23
1940	758.00 35
1941	320.00 39
1942	1200.00 26
1943	2090.00 9
1944	1150.00 29

## WABASH RIVER BASIN

03325000 WABASH RIVER AT WABASH, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1946	1570.00	23
1947	815.00	8
1948	1870.00	29
1949	2060.00	31
1950	2740.00	39
1951	2240.00	34
1952	2110.00	33
1953	1350.00	19
1954	467.00	2
1955	1350.00	20
1956	1270.00	16
1957	843.00	9
1958	2550.00	36
1959	2510.00	35
1960	1630.00	24
1961	800.00	7
1962	1950.00	30
1963	670.00	5
1964	609.00	4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1945	1170.00	28
1946	1220.00	25
1947	1430.00	20
1948	1520.00	18
1949	1840.00	15
1950	2990.00	1
1951	2100.00	8
1952	2180.00	4
1953	1040.00	32
1954	442.00	38
1955	1360.00	22
1956	1440.00	19
1957	2080.00	10
1958	2020.00	12
1959	2150.00	6
1960	1130.00	31
1961	1410.00	21
1962	1260.00	24
1963	656.00	36
1964	1140.00	30

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1924	592.00	580.00	5454.0	4149.0	2591.0	5412.0	2352.0	1501.0	5024.0	655.00	141.00	340.00
1925	149.00	164.00	3383.0	1200.0	3005.0	4529.0	577.00	196.00	331.00	308.00	83.40	324.00
1926	321.00	3354.0	838.00	1604.0	2773.0	2149.0	5135.0	508.00	575.00	465.00	2066.0	5675.0
1927	3200.0	1009.0	867.00	2593.0	4210.0	5107.0	4863.0	4805.0	1362.0	267.00	107.00	291.00
1928	370.00	1042.0	4988.0	1910.0	3569.0	1415.0	1822.0	577.00	2586.0	1473.0	324.00	78.40
1929	66.90	127.00	150.00	3481.0	1592.0	2615.0	3803.0	4056.0	1054.0	2210.0	896.00	177.00
1930	481.00	1737.0	3088.0	10180.0	2504.0	1754.0	1409.0	308.00	186.00	95.50	181.00	85.20
1931	71.40	66.60	105.00	107.00	207.00	765.00	1113.0	191.00	225.00	222.00	70.50	182.00
1932	317.00	381.00	1565.0	4594.0	1398.0	702.00	994.00	686.00	363.00	327.00	45.90	291.00
1933	303.00	1079.0	4084.0	2775.0	750.00	4647.0	3116.0	5777.0	243.00	129.00	151.00	1396.0
1934	1123.0	190.00	309.00	763.00	259.00	1884.0	1599.0	157.00	128.00	55.40	207.00	132.00
1935	*	*	*	*	*	*	1058.0	3983.0	452.00	457.00	218.00	55.70
1936	51.90	156.00	180.00	233.00	4114.0	2660.0	673.00	1059.0	181.00	88.10	78.80	118.00
1937	460.00	1577.0	534.00	8250.0	3182.0	1433.0	4124.0	1815.0	1424.0	1811.0	1171.0	317.00
1938	357.00	171.00	1738.0	816.00	3165.0	4729.0	5859.0	719.00	2328.0	1578.0	574.00	186.00
1939	73.30	131.00	191.00	416.00	4046.0	6091.0	3574.0	387.00	412.00	484.00	219.00	41.60
1940	191.00	109.00	105.00	406.00	654.00	2294.0	3672.0	535.00	892.00	173.00	60.10	47.00
1941	63.50	108.00	396.00	236.00	269.00	177.00	652.00	135.00	1587.0	178.00	43.40	29.90
1942	176.00	247.00	277.00	266.00	3479.0	3301.0	2754.0	422.00	777.00	383.00	2169.0	296.00
1943	99.10	1475.0	1762.0	1644.0	1571.0	2693.0	775.00	10410.0	928.00	1096.0	1770.0	667.00
1944	143.00	396.00	131.00	127.00	1043.0	2815.0	6967.0	1853.0	260.00	62.70	91.00	36.10
1945	61.60	136.00	83.90	74.10	1341.0	3550.0	3252.0	2238.0	2167.0	467.00	421.00	294.00
1946	1570.0	415.00	1321.0	2128.0	1846.0	2712.0	366.00	2115.0	1736.0	315.00	72.00	42.50
1947	66.20	102.00	296.00	2004.0	1127.0	1538.0	3719.0	3152.0	4387.0	424.00	251.00	155.00
1948	176.00	219.00	382.00	2076.0	2397.0	5218.0	3997.0	2609.0	427.00	634.00	104.00	60.40
1949	88.10	1101.0	2460.0	7710.0	4069.0	1566.0	1159.0	1493.0	1432.0	649.00	198.00	275.00
1950	1039.0	175.00	1807.0	13260.0	7124.0	4461.0	4398.0	849.00	1056.0	468.00	199.00	1328.0
1951	954.00	2331.0	3980.0	3222.0	5451.0	2901.0	3124.0	1799.0	806.00	728.00	128.00	76.10
1952	140.00	524.00	2611.0	6789.0	3588.0	4995.0	3798.0	2189.0	739.00	184.00	186.00	357.00
1953	93.20	273.00	840.00	1746.0	1491.0	4277.0	1442.0	1338.0	327.00	340.00	246.00	49.60
1954	53.20	88.40	88.30	305.00	394.00	928.00	1499.0	471.00	936.00	175.00	313.00	71.80
1955	1713.0	499.00	1199.0	2443.0	1608.0	5182.0	1434.0	287.00	286.00	1062.0	457.00	70.30
1956	834.00	2769.0	490.00	203.00	4073.0	3401.0	1151.0	1343.0	1864.0	1015.0	234.00	88.80
1957	49.40	91.40	330.00	1275.0	1596.0	1149.0	11060.0	2598.0	2303.0	3879.0	278.00	441.00
1958	778.00	970.00	5425.0	1040.0	718.00	1118.0	965.00	787.00	8260.0	2231.0	1659.0	251.00
1959	228.00	1349.0	459.00	4102.0	7764.0	2571.0	5234.0	2413.0	1401.0	498.00	154.00	139.00
1960	450.00	943.00	1541.0	2226.0	2965.0	1718.0	1172.0	746.00	951.00	652.00	196.00	86.80
1961	64.20	91.20	83.10	92.80	529.00	4883.0	6915.0	1724.0	578.00	557.00	998.00	362.00
1962	256.00	854.00	332.00	3916.0	2534.0	4409.0	561.00	881.00	689.00	524.00	106.00	123.00
1963	89.80	112.00	86.50	117.00	174.00	4491.0	1286.0	499.00	521.00	304.00	87.40	38.30
1964	32.30	66.10	56.00	172.00	114.00	4080.0	7183.0	891.00	394.00	613.00	70.80	52.80

## 03325000 WABASH RIVER AT WABASH, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
71.90	128.00	183.00	276.00	823.00	1604.00
FIFTIETH PERCENTILE					
184.00	327.00	512.00	1695.00	2122.00	2764.00
SEVENTY FIFTH PERCENTILE					
476.00	1034.00	1796.00	3416.00	3547.00	4520.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1132.00	504.00	379.00	245.00	97.50	65.30
FIFTIETH PERCENTILE					
2352.00	1059.00	806.00	467.00	198.00	139.00
SEVENTY FIFTH PERCENTILE					
4061.00	2214.00	1510.00	692.00	373.00	307.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
1970			1	1	14	6	13	6	4	7	17	14	NUMBER OF DAYS IN CLASS										25	21	11	16	11	9	8	6	15	12	22	12	10	2			
1971			1	9	9	7	16	26	23	8	17	13	15	14	18	26	34	26	17	8	12	10	3	5	13	6	3	1	10	7	8								
1972			4	5	4	3	17	5	4	9	10	16	12	26	37	22	19	20	9	8	9	13	11	6	9	15	34	28	7	3	1								
1973					2	2	6	1	6	8	10	11	14	12	15	18	10	22	16	8	6	12	11	8	19	32	54	50	11	1									
1974			1	15	14	6	4	4	5	5	20	8	15	12	30	27	26	15	8	4	3	8	6	6	8	6	16	23	29	20	17	3	1						
1975					3	7	9	14	14	22	12	8	6	13	14	30	28	22	11	12	18	13	11	17	19	13	27	16	4	2									
1976			4	2	17	9	22	22	14	15	15	9	18	13	32	33	15	15	14	13	5	9	2	3	6	1	4	11	13	14	15	1							
1977			11	40	16	18	25	35	24	11	22	13	22	12	12	8	12	9	12	15	2	8	6	4	5	9	7	2	2	1	2								
1978					1	16	11	9	15	27	6	23	21	17	34	23	12	14	12	8	14	4	14	6	2	2	11	22	14	9	15	3							
1979					1	4	13	4	20	30	41	17	17	29	28	24	9	7	11	11	13	13	12	13	15	6	7	5	7	6	2								
1980					5	1	1	6	7	15	22	16	25	32	27	22	10	15	11	6	18	14	21	20	14	9	12	19	16	2									
1981						6	1	6	25	30	13	11	11	45	25	36	18	10	13	8	5	10	6	9	13	15	14	29	3	2			1						
1982				3	25	17	6	11	6	9	10	10	13	20	24	15	11	11	14	12	11	14	15	11	14	11	7	6	13	14	10	16	5		1				
1983			14	17	13	5	4	14	14	8	5	11	8	22	18	12	21	27	13	15	15	13	9	7	9	12	15	23	9	3	9								
1984				1	7	7	5	7	17	6	10	16	12	22	26	36	20	25	15	11	7	6	3	6	7	14	9	14	15	9	17	12	3	1					
1985				6	11	12	10	15	23	16	14	13	12	10	18	32	33	21	16	9	13	10	6	7	5	3	5	6	5	6	8	5	9	3	2	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	330.0	256	4252	72.76	24	2500.0	164	1348	23.07
1	50.0	14	5844	100.00	13	390.0	291	3996	68.38	25	3000.0	170	1184	20.26
2	58.0	42	5830	99.76	14	460.0	368	3705	63.40	26	3600.0	183	1014	17.35
3	70.0	105	5788	99.04	15	550.0	397	3337	57.10	27	4200.0	268	831	14.22
4	83.0	124	5683	97.25	16	650.0	354	2940	50.31	28	5000.0	240	563	9.63
5	99.0	104	5559	95.12	17	770.0	243	2586	44.25	29	5000.0	161	323	5.53
6	120.0	156	5455	93.34	18	910.0	234	2343	40.09	30	7100.0	94	162	2.77
7	140.0	221	5299	90.67	19	1100.0	176	2109	36.09	31	8400.0	50	68	1.16
8	170.0	170	5878	86.89	20	1300.0	136	1933	33.08	32	9900.0	14	18	0.31
9	200.0	180	4908	83.98	21	1500.0	166	1797	30.75	33	12000.0	2	4	0.07
10	230.0	265	4728	80.90	22	1800.0	136	1631	27.91	34	14000.0	2	2	0.03
11	280.0	211	4463	76.37	23	2100.0	147	1495	25.58					

## 03325000 WABASH RIVER AT WABASH, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 100.0  
 P90 = 145.0  
 P75 = 299.0  
 P70 = 368.0  
 P50 = 656.0  
 P25 = 2190.0  
 P10 = 4940.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	70.00 7	85.00 8	89.00 8	90.00 5	110.00 4	307.00 10	470.00 10	543.00 11	587.00 9
1972	69.00 5	75.00 7	79.00 5	97.00 8	115.00 5	231.00 7	327.00 7	509.00 9	602.00 10
1973	73.00 8	74.00 5	82.00 6	95.00 7	143.00 8	476.00 14	541.00 14	741.00 14	1670.00 15
1974	114.00 13	130.00 14	143.00 14	248.00 14	319.00 14	475.00 13	524.00 13	683.00 13	901.00 13
1975	69.00 6	74.00 6	78.00 4	79.00 3	85.00 3	172.00 4	277.00 6	337.00 6	513.00 6
1976	104.00 11	122.00 13	126.00 12	156.00 11	172.00 11	281.00 9	507.00 12	550.00 12	826.00 11
1977	65.00 2	66.00 2	67.00 2	68.00 2	70.00 2	76.00 1	96.00 1	137.00 1	204.00 1
1978	86.00 9	94.00 9	106.00 9	117.00 9	150.00 9	200.00 5	212.00 4	300.00 4	499.00 3
1979	118.00 14	121.00 12	123.00 11	134.00 10	156.00 10	240.00 8	362.00 9	388.00 7	512.00 5
1980	150.00 15	155.00 15	203.00 15	271.00 15	507.00 15	613.00 15	710.00 15	885.00 15	853.00 12
1981	105.00 12	107.00 11	139.00 13	193.00 13	211.00 12	314.00 11	358.00 8	402.00 8	556.00 7
1982	101.00 10	104.00 10	112.00 10	178.00 12	252.00 13	451.00 12	482.00 11	542.00 10	911.00 14
1983	68.00 4	69.00 3	85.00 7	88.00 4	119.00 7	147.00 3	161.00 2	241.00 2	564.00 8
1984	50.00 1	51.00 1	52.00 1	53.00 1	66.00 1	89.00 2	165.00 3	252.00 3	405.00 2
1985	67.00 3	69.00 4	78.00 3	91.00 6	115.00 6	203.00 6	255.00 5	334.00 5	500.00 4

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	7830.00 13	6980.00 13	6630.00 10	5390.00 13	4130.00 14	3190.00 14	2680.00 13	2650.00 12	2310.00 11
1971	8080.00 11	7790.00 7	7400.00 8	6920.00 8	5270.00 11	3530.00 13	2470.00 14	2140.00 14	1630.00 15
1972	8940.00 8	7030.00 12	6690.00 9	6250.00 10	5650.00 9	4440.00 8	3660.00 8	2960.00 9	2880.00 6
1973	7810.00 14	6320.00 15	5870.00 15	5560.00 12	5400.00 10	5110.00 6	4400.00 4	4040.00 3	3960.00 1
1974	10200.00 5	9160.00 5	8160.00 4	7590.00 4	7200.00 4	5970.00 3	5300.00 2	4770.00 2	3920.00 2
1975	8100.00 10	7310.00 11	6590.00 11	6000.00 11	4770.00 12	3810.00 11	3690.00 7	3400.00 7	2610.00 7
1976	8460.00 9	7670.00 8	7410.00 7	7200.00 7	7130.00 5	5290.00 4	3950.00 6	3570.00 5	2590.00 8
1977	7880.00 12	7420.00 10	5920.00 14	4000.00 16	3240.00 16	2340.00 16	1850.00 16	1430.00 16	1060.00 16
1978	11300.00 3	10300.00 3	9290.00 3	9170.00 3	8470.00 2	6350.00 2	4710.00 3	3770.00 4	3280.00 4
1979	9840.00 7	9040.00 6	8030.00 5	7270.00 6	5860.00 8	4240.00 9	3040.00 11	2500.00 13	2020.00 14
1980	7590.00 15	6590.00 14	6460.00 12	6350.00 9	5880.00 7	4050.00 10	2880.00 12	2800.00 10	2330.00 10
1981	10200.00 6	7530.00 9	5950.00 13	5210.00 14	4670.00 13	3660.00 12	3180.00 10	2680.00 11	2220.00 12
1982	14000.00 2	11300.00 2	10400.00 2	9690.00 2	8660.00 1	7510.00 1	5950.00 1	5140.00 1	3820.00 3
1983	7080.00 16	6120.00 16	5730.00 16	4550.00 15	3370.00 15	3150.00 15	2310.00 15	1970.00 15	2140.00 13
1984	10900.00 4	9240.00 4	7750.00 6	7420.00 5	6150.00 6	4520.00 7	3960.00 5	3470.00 6	2970.00 5
1985	14200.00 1	13000.00 1	11200.00 1	10300.00 1	7880.00 3	5210.00 5	3590.00 9	3300.00 8	2460.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	1470.00 6
1972	1160.00 3
1973	2880.00 15
1974	2410.00 14
1975	1820.00 12
1976	1790.00 11
1977	526.00 1
1978	1360.00 4
1979	1700.00 8
1980	1580.00 7
1981	1100.00 2
1982	2360.00 13
1983	1370.00 5
1984	1720.00 9
1985	1720.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	1540.00 9
1971	1130.00 15
1972	1870.00 5
1973	2660.00 1
1974	2210.00 2
1975	1710.00 8
1976	1440.00 10
1977	692.00 16
1978	1970.00 4
1979	1320.00 13
1980	1750.00 6
1981	1330.00 12
1982	2100.00 3
1983	1280.00 14
1984	1750.00 7
1985	1410.00 11



03325000 WABASH RIVER AT WABASH, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	1510.0	2831.0	1095.0	769.00	2490.0	2040.0	3117.0	2554.0	688.00	398.00	786.00	372.00
1971	754.00	942.00	739.00	361.00	3927.0	3221.0	264.00	883.00	1167.0	409.00	120.00	975.00
1972	902.00	577.00	3549.0	2040.0	565.00	2374.0	5036.0	3443.0	746.00	985.00	175.00	1989.0
1973	3005.0	4971.0	5124.0	2963.0	1969.0	4107.0	4627.0	879.00	1906.0	531.00	1319.0	436.00
1974	534.00	1133.0	2884.0	5361.0	6235.0	3410.0	2930.0	2717.0	683.00	250.00	141.00	559.00
1975	479.00	1046.0	2748.0	3084.0	3733.0	3583.0	1373.0	1008.0	2107.0	208.00	390.00	938.00
1976	675.00	758.00	2367.0	1734.0	4890.0	5176.0	423.00	223.00	454.00	226.00	109.00	327.00
1977	458.00	183.00	92.80	72.80	467.00	3245.0	1206.0	684.00	150.00	252.00	525.00	940.00
1978	707.00	1017.0	4289.0	1365.0	326.00	4658.0	6969.0	2007.0	769.00	692.00	205.00	577.00
1979	557.00	296.00	779.00	1031.0	713.00	5771.0	2278.0	534.00	770.00	991.00	1400.0	606.00
1980	807.00	1296.0	2747.0	1281.0	1230.0	4914.0	2308.0	533.00	2870.0	909.00	1693.0	431.00
1981	536.00	448.00	383.00	342.00	2201.0	705.00	1029.0	2218.0	4222.0	3036.0	290.00	632.00
1982	571.00	721.00	864.00	2726.0	3937.0	8144.0	5413.0	948.00	1475.0	270.00	129.00	175.00
1983	429.00	1343.0	3145.0	1410.0	1188.0	609.00	2997.0	3046.0	513.00	280.00	70.90	263.00
1984	584.00	1252.0	3687.0	413.00	3428.0	4185.0	4183.0	1953.0	526.00	439.00	252.00	214.00
1985	646.00	950.00	1170.0	1837.0	2828.0	5747.0	2114.0	223.00	685.00	115.00	225.00	528.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
535.00	613.00	800.00	502.00	832.00	2586.00
FIFTIETH PERCENTILE					
615.00	984.00	2557.00	1388.00	2346.00	3845.00
SEVENTY FIFTH PERCENTILE					
794.00	1285.00	3448.00	2555.00	3879.00	5111.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
1248.00	572.00	565.00	251.00	132.00	338.00
FIFTIETH PERCENTILE					
2619.00	978.00	758.00	404.00	239.00	544.00
SEVENTY FIFTH PERCENTILE					
4516.00	2470.00	1798.00	855.00	721.00	862.00

## 03325311 LITTLE MISSISSINAWA RIVER AT UNION CITY, IN

LOCATION.--Lat 40°11'46", long 84°49'45", in SE¼NW¼ sec.26, T.18 N., R.1 W., Randolph County, Hydrologic Unit 05120103, on right bank, 85 ft downstream from Westinghouse Road, 0.5 mi downstream from Little ditch, 0.8 mi upstream from City Drain, and 1.2 mi west of the Post Office in Union City.

DRAINAGE AREA.--9.67 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1982 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 1075.50 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 234 ft<sup>3</sup>/s Feb. 23, 1985 gage height, 7.22 ft; no flow at times for most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1983	60	1	24	7	11	6		7	2	5	6	10	5	5	12	30	21	27	22	23	20	15	6	7	9	7	4	3	7	2	1				
1984	32	1	7	2	3	1	5	3	8	6	8	10	6	22	10	22	22	33	21	19	13	20	12	15	11	10	10	14	11	7	2				
1985						1	5	5	10	11	22	14	12	16	10	29	17	34	30	18	25	19	13	11	13	12	7	9	8	5	6		3		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	92	1096	100.00	12	0.43	23	803	73.27	24	14.0	33	161	14.69
1	0.01	2	1004	91.61	13	0.58	43	780	71.17	25	19.0	29	128	11.68
2	0.02	31	1002	91.42	14	0.77	32	737	67.24	26	25.0	21	99	9.03
3	0.03	9	971	88.59	15	1.0	81	705	64.32	27	33.0	26	78	7.12
4	0.04	14	962	87.77	16	1.4	60	624	56.93	28	44.0	26	52	4.74
5	0.06	8	948	86.50	17	1.8	94	564	51.46	29	59.0	14	26	2.37
6	0.08	10	940	85.77	18	2.5	73	470	42.88	30	79.0	9	12	1.09
7	0.10	15	930	84.85	19	3.3	60	397	36.22	31	110.0	0	3	0.27
8	0.14	20	915	83.49	20	4.4	58	337	30.75	32	140.0	3	3	0.27
9	0.18	22	895	81.66	21	5.8	54	279	25.46	33				
10	0.24	36	873	79.65	22	7.8	31	225	20.53	34				
11	0.32	34	837	76.37	23	10.0	33	194	17.70					

VALUE EXCEEDED 'P'	PERCENT OF TIME
P95 =	0.01
P90 =	0.03
P75 =	0.37
P70 =	0.64
P50 =	1.9
P25 =	6.0
P10 =	22.7

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1984	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.04 1	0.29 1	1.30 1
1985	0.00 2	0.00 2	0.00 2	0.00 2	0.01 2	0.19 2	0.63 2	1.30 2	2.50 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1983	79.00 3	66.00 3	44.00 3	29.00 3	26.00 3	18.00 3	13.00 3	11.00 3	9.10 3
1984	96.00 2	83.00 2	54.00 2	43.00 2	32.00 2	27.00 2	22.00 1	18.00 2	15.00 2
1985	218.00 1	153.00 1	99.00 1	57.00 1	37.00 1	29.00 1	22.00 2	22.00 1	18.00 1

03325311 LITTLE MISSISSINEWA RIVER AT UNION CITY, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1984	8.20	1
1985	11.00	2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1983	4.80	3
1984	8.70	2
1985	9.90	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1982	*	*	*	*	*	*	*	*	*	*	*	*
1983	0.04	0.60	7.95	2.51	6.34	3.05	18.60	16.00	1.55	0.71	0.02	0.00
1984	0.85	8.40	14.60	1.71	12.20	23.50	30.40	6.94	2.79	2.46	1.35	0.05
1985	1.42	11.00	20.60	11.90	26.40	21.20	12.80	8.00	3.31	0.67	2.56	0.21

## 03325500 MISSISSINAWA RIVER NEAR RIDGEVILLE, IN

LOCATION.--Lat 40°16'49", long 84°59'44", in SE¼SE¼ sec.7, T.21 N., R.14 E., Randolph County, Hydrologic Unit 05120103, on right bank 30 ft downstream from highway bridge, 0.8 mi downstream from Mud Creek, 2 mi east of Ridgeville, and at mile 99.5.

DRAINAGE AREA.--133 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1946 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 965.28 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 5, 1950, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--39 years, 126 ft<sup>3</sup>/s, 12.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,900 ft<sup>3</sup>/s June 10, 1958, gage height, 16.25 ft, from rating curve extended above 5,000 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow; minimum daily, 0.1 ft<sup>3</sup>/s Oct. 24, 1946.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1947		1		7	3	12	1	4		13	2	9	12	23	36	30	23	17	20	13	17	25	14	22	14	15	9	7	6	8	2						
1948										12	22	6	2	37	32	47	46	27	20	19	13	16	13	12	5	7	5	1	3	8	9	4					
1949										2	10	43	16	13	10	13	12	22	16	32	37	28	26	18	16	14	10	7	5	5	5	4		1			
1950											22	42	29	24	13	15	17	24	25	27	21	19	22	15	6	15	6	5	8	4	4	1	1				
1951										6	25	24	10	18	22	14	19	44	27	17	27	24	19	16	12	13	13	5	4	3	1	2					
1952										21	38	37	23	12	10	17	8	12	13	15	30	29	21	22	14	8	13	9	5	6	1	2					
1953						1	2	9	15	15	37	18	21	21	13	20	31	40	22	25	14	20	11	13	6	2	4	3	1	1							
1954			4	3	2	8	50	32	44	29	17	20	21	31	25	20	13	11	12	8	5	3	2	1	4												
1955			3	1		1	1	16	9	7	15	14	12	41	45	36	24	21	27	20	12	19	3	12	4	1	1										
1956										2	18	16	16	10	23	47	37	36	29	36	26	14	21	8	10	5	4	5	1	2							
1957										20	51	32	18	17	16	48	38	17	24	17	9	10	9	10	8	7	5	5	1	2	1						
1958										5	14	7	14	37	31	34	55	36	31	22	20	14	15	8	6	1	6	4	2	1	2	1				2	
1959								1	20	9	22	10	26	41	29	21	16	25	27	24	21	21	18	13	4	8	2	1	2	1	1	2					
1960								1	4	12	39	25	31	27	22	47	39	38	22	11	18	8	8		6	3	1	3	1								
1961										10	58	34	22	4	6	19	34	26	30	23	11	13	15	14	6	13	5	12	9	1							
1962													17	49	45	30	35	29	37	45	24	21	6	6	6	3	3	4	2	2	1						
1963									1	1	19	7	50	81	41	28	31	21	22	15	9	7	9	5	5	5	1	3	3						1		
1964								10	3	8	49	81	54	14	22	18	12	11	8	16	16	5	9	4	4	6	6	3	1	1	2	2	1				
1965									1	16	79	49	33	20	21	7	18	15	11	14	16	17	12	11	10	5	1	5	3								
1966									6	3	18	38	31	37	52	26	32	22	18	21	13	14	13	8	7	4	1	1									
1967									4	16	29	30	27	19	18	23	30	25	27	22	17	24	14	7	13	5	4	8	1	1	1						
1968									4	8	31	19	16	22	20	65	35	28	25	15	13	21	12	4	4	9	7	5	3								
1969										4	27	39	20	16	21	29	59	39	25	23	21	17	7	3	7	2	4	2									
1970										1	35	13	24	42	36	31	22	29	29	28	21	20	8	10	5	4	4	1	1	1							
1971										2	21	64	49	39	23	35	23	26	17	15	15	13	5	5	5	3	3	2									
1972													31	61	13	26	34	37	40	33	26	13	8	10	7	9	8	5	3	2							
1973													16	25	18	17	27	48	33	29	36	24	29	21	11	11	6	6	6	2							
1974										5	22	48	38	14	40	38	28	26	27	17	8	20	11	5	4	6	5	2	1								
1975										2	22	38	36	25	28	23	28	30	22	29	22	8	15	12	10	6	6	1							2		
1976										1	9	28	20	24	33	42	44	28	30	26	20	15	6	9	10	8	4	3	2	2	1	1					
1977										1	42	104	63	32	16	15	18	14	12	13	8	8	7	5	2	3	2										
1978										2	15	24	33	28	34	70	23	15	17	20	17	17	9	7	7	6	6	5	5	4	1						
1979										1	8	27	14	7	40	35	38	31	33	27	21	17	9	10	12	12	4	6	4	7	2						
1980													9	14	9	33	61	47	42	32	32	26	10	14	11	8	6	3	4	1	3	1					
1981													19	67	37	28	17	30	17	29	28	25	22	14	11	7	5	6	1	1					1		
1982											28	30	9	38	36	23	22	24	16	18	22	16	15	13	12	11	8	11	6	7							
1983								25	20	34	14	29	15	12	22	24	29	20	22	23	15	15	16	14	8	3	4										
1984								4	6	10	12	23	27	24	30	21	32	8	29	20	30	26	19	12	13	12	3	5									
1985										3	13	5	33	40	39	27	40	28	32	33	15	13	12	10	8	5	3	2	1	1	2						

## 03325500 MISSISSINEMA RIVER NEAR RIDGEVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14245	100.00	12	4.5	896	12325	86.52	24	280.0	371	1405	9.86
1	0.10	1	14245	100.00	13	6.3	1050	11429	80.23	25	400.0	305	1034	7.26
2	0.14	0	14244	99.99	14	8.9	1046	10379	72.86	26	560.0	235	729	5.12
3	0.20	7	14244	99.99	15	13.0	939	9333	65.52	27	790.0	171	494	3.47
4	0.28	10	14237	99.94	16	18.0	1120	8394	58.93	28	1100.0	155	323	2.27
5	0.40	16	14227	99.87	17	25.0	1108	7274	51.06	29	1600.0	87	168	1.18
6	0.56	4	14211	99.76	18	35.0	1050	6166	43.29	30	2200.0	46	81	0.57
7	0.79	25	14207	99.73	19	50.0	979	5116	35.91	31	3100.0	24	35	0.25
8	1.1	150	14182	99.56	20	70.0	895	4137	29.04	32	4400.0	9	11	0.08
9	1.6	239	14032	98.50	21	99.0	734	3242	22.76	33	6300.0	0	2	0.01
10	2.2	612	13793	96.83	22	140.0	641	2508	17.61	34	8800.0	2	2	0.01
11	3.2	856	13181	92.53	23	200.0	462	1867	13.11					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	2.6
P90 =	3.7
P75 =	8.1
P70 =	10.5
P50 =	26.4
P25 =	88.7
P10 =	277.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	3.40 25	4.00 25	4.60 27	5.00 26	6.80 28	12.00 31	15.00 30	15.00 25	35.00 25
1949	1.30 8	1.30 7	1.50 6	1.70 6	1.70 4	2.20 3	3.10 5	12.00 20	19.00 17
1950	2.00 15	2.00 11	2.20 13	2.50 13	3.00 13	3.90 15	5.30 16	4.90 9	12.00 10
1951	3.30 24	3.60 24	4.30 24	4.80 24	5.80 26	11.00 28	33.00 34	36.00 34	71.00 34
1952	1.70 12	1.70 9	1.80 8	2.20 9	2.70 10	2.80 5	2.90 3	4.30 7	11.00 7
1953	1.19 6	1.19 5	1.19 4	1.30 4	1.90 5	2.90 6	6.60 17	12.00 21	11.00 8
1954	0.60 2	0.80 2	1.19 5	1.19 2	1.40 2	1.70 1	1.90 1	2.30 1	4.60 5
1955	0.30 1	0.30 1	0.33 1	0.53 1	0.91 1	3.30 10	3.80 10	6.30 12	27.00 23
1956	1.40 9	2.10 12	2.10 10	2.20 10	3.00 14	5.60 19	34.00 35	38.00 35	49.00 32
1957	2.90 20	3.10 20	3.40 22	3.90 22	4.00 19	4.50 17	5.10 15	7.80 15	14.00 14
1958	3.70 26	4.30 26	4.60 25	5.10 27	7.40 30	12.00 32	14.00 28	20.00 29	86.00 36
1959	7.30 35	7.80 36	8.80 36	9.90 36	10.00 36	13.00 33	18.00 31	34.00 33	67.00 33
1960	1.50 10	1.60 8	1.70 7	1.80 7	1.90 6	3.20 9	4.50 14	6.30 13	12.00 11
1961	1.90 13	2.10 13	2.20 11	2.20 8	2.30 7	2.90 7	3.40 6	3.80 4	4.20 4
1962	11.00 37	12.00 37	12.00 37	13.00 37	14.00 37	32.00 36	40.00 36	50.00 36	79.00 35
1963	5.00 32	5.00 31	5.10 30	6.00 30	8.10 31	11.00 29	11.00 25	12.00 22	13.00 12
1964	1.00 3	1.00 3	1.00 2	1.40 5	2.40 8	3.10 8	3.40 7	3.20 3	4.00 1
1965	2.00 14	2.10 14	2.20 12	2.30 11	2.60 9	2.70 4	2.90 4	3.00 2	4.10 3
1966	1.10 4	1.30 6	1.90 9	2.50 12	2.90 11	3.80 13	4.30 11	5.80 11	13.00 13
1967	1.19 7	1.90 10	2.50 14	2.90 14	4.10 20	6.50 22	8.90 21	11.00 19	26.00 22
1968	1.70 11	2.10 15	2.60 15	2.90 15	3.20 16	3.80 14	4.30 12	5.50 10	11.00 9
1969	3.20 23	3.50 23	3.80 23	3.90 23	4.40 22	5.60 20	9.50 22	14.00 23	39.00 27
1970	4.30 28	4.50 28	5.00 29	6.20 31	7.10 29	17.00 34	23.00 32	27.00 31	40.00 28
1971	2.90 21	3.10 21	3.20 20	3.40 19	3.60 18	4.00 16	4.30 13	4.70 8	9.70 6
1972	4.40 29	4.50 29	4.60 26	5.00 25	5.30 24	7.80 25	15.00 29	16.00 26	19.00 18
1973	7.40 36	7.50 35	7.60 35	8.10 35	8.90 33	36.00 37	57.00 37	72.00 37	124.00 37
1974	7.00 34	7.00 34	7.10 34	7.70 34	8.50 32	8.80 26	9.80 23	26.00 30	45.00 30
1975	3.80 27	4.30 27	4.70 28	5.30 28	5.80 25	7.70 24	11.00 26	15.00 24	20.00 19
1976	6.10 33	6.30 33	6.50 33	7.00 32	9.00 34	22.00 35	25.00 33	29.00 32	46.00 31
1977	2.10 16	2.30 16	2.80 19	2.90 16	3.10 15	3.40 11	3.60 8	3.90 5	4.00 2
1978	2.10 17	2.50 17	2.70 16	3.00 18	3.50 17	5.90 21	6.90 18	7.50 14	18.00 15
1979	3.10 22	3.20 22	3.30 21	3.50 20	4.20 21	5.20 18	7.50 19	10.00 18	18.00 16
1980	13.00 38	14.00 38	14.00 38	17.00 38	24.00 38	44.00 38	87.00 38	154.00 38	136.00 38
1981	4.50 30	4.80 30	5.50 31	6.00 29	6.50 27	9.40 27	10.00 24	9.70 17	24.00 20
1982	5.00 31	5.50 32	6.40 32	7.60 33	9.40 35	12.00 30	12.00 27	17.00 27	37.00 26
1983	2.40 19	2.50 18	2.70 17	2.90 17	3.00 12	3.40 12	3.70 9	4.30 6	26.00 21
1984	1.10 5	1.10 4	1.19 3	1.30 3	1.50 3	1.80 2	2.40 2	8.90 16	31.00 24
1985	2.30 18	2.70 19	2.80 18	3.90 21	5.20 23	6.80 23	8.60 20	19.00 28	42.00 29

03325500 MISSISSINEMA RIVER NEAR RIDGEVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1947	2030.00 30	1470.00 26	966.00 24	680.00 22	489.00 22	452.00 12	364.00 14	284.00 19	233.00 17
1948	2740.00 21	2100.00 15	1840.00 6	1170.00 6	1020.00 2	687.00 3	510.00 3	427.00 3	292.00 9
1949	4440.00 7	2750.00 10	1380.00 15	992.00 9	746.00 9	537.00 9	450.00 5	405.00 5	312.00 5
1950	4440.00 8	3200.00 4	1710.00 8	1310.00 3	895.00 4	706.00 2	557.00 2	471.00 2	352.00 2
1951	3410.00 14	2080.00 16	1220.00 17	752.00 18	475.00 23	395.00 18	346.00 15	340.00 10	297.00 8
1952	2600.00 22	1720.00 22	837.00 29	707.00 21	528.00 20	413.00 16	371.00 13	326.00 12	266.00 13
1953	2570.00 23	1330.00 29	887.00 26	610.00 25	353.00 33	230.00 35	233.00 31	205.00 30	178.00 28
1954	777.00 39	607.00 37	336.00 38	213.00 37	177.00 38	117.00 38	91.00 38	77.00 39	56.00 38
1955	2090.00 28	1260.00 31	741.00 33	561.00 28	316.00 35	250.00 32	254.00 27	218.00 28	168.00 30
1956	3050.00 18	2040.00 17	1010.00 22	537.00 32	359.00 31	291.00 29	227.00 32	200.00 31	192.00 25
1957	5180.00 5	3110.00 7	1640.00 9	1070.00 7	666.00 10	497.00 11	469.00 4	417.00 4	336.00 4
1958	11300.00 1	8080.00 1	4920.00 1	2630.00 1	1430.00 1	791.00 1	583.00 1	474.00 1	353.00 1
1959	5960.00 3	4110.00 3	1970.00 3	1070.00 8	863.00 5	549.00 7	414.00 9	374.00 7	272.00 12
1960	1610.00 34	988.00 36	708.00 35	405.00 36	351.00 34	214.00 36	173.00 35	158.00 35	115.00 35
1961	1950.00 32	1150.00 32	870.00 28	747.00 19	627.00 12	507.00 10	388.00 11	308.00 15	241.00 16
1962	3980.00 10	2000.00 18	975.00 23	590.00 26	424.00 26	354.00 22	310.00 21	249.00 23	187.00 26
1963	4500.00 6	2230.00 13	1230.00 16	863.00 16	593.00 14	342.00 24	240.00 30	186.00 33	127.00 34
1964	6040.00 2	4370.00 2	2220.00 2	1210.00 5	815.00 8	603.00 4	415.00 8	324.00 14	215.00 19
1965	2480.00 26	1280.00 30	823.00 30	491.00 33	394.00 28	329.00 26	287.00 24	227.00 25	156.00 32
1966	805.00 37	537.00 38	337.00 37	195.00 39	180.00 37	104.00 39	90.00 39	94.00 37	78.00 37
1967	3160.00 16	2580.00 12	1780.00 7	969.00 11	557.00 18	330.00 25	275.00 25	286.00 17	251.00 15
1968	2060.00 29	1380.00 28	1030.00 20	624.00 24	401.00 27	296.00 28	246.00 29	220.00 26	202.00 23
1969	2100.00 27	1550.00 24	882.00 27	558.00 30	377.00 29	265.00 30	217.00 33	197.00 32	176.00 29
1970	2550.00 24	1470.00 27	810.00 31	471.00 34	306.00 36	239.00 33	249.00 28	205.00 29	159.00 31
1971	1340.00 36	1010.00 35	891.00 25	540.00 31	369.00 30	235.00 34	168.00 36	151.00 36	111.00 36
1972	2490.00 25	1810.00 20	1010.00 21	677.00 23	492.00 21	327.00 27	258.00 26	220.00 27	198.00 24
1973	2980.00 19	1780.00 21	1170.00 18	987.00 10	589.00 15	440.00 14	345.00 16	286.00 18	311.00 6
1974	2850.00 20	2100.00 14	1400.00 13	916.00 12	555.00 19	412.00 17	332.00 17	307.00 16	221.00 18
1975	3590.00 12	2820.00 9	1410.00 12	879.00 15	616.00 13	443.00 13	387.00 12	349.00 8	264.00 14
1976	3150.00 17	2000.00 19	1160.00 19	858.00 17	565.00 17	377.00 21	314.00 20	258.00 21	183.00 27
1977	777.00 38	471.00 39	285.00 39	212.00 38	144.00 39	126.00 37	101.00 37	79.00 38	54.00 39
1978	3430.00 13	2650.00 11	1890.00 5	1390.00 2	849.00 7	539.00 8	400.00 10	340.00 11	286.00 10
1979	3740.00 11	2940.00 8	1900.00 4	1250.00 4	902.00 3	602.00 5	440.00 7	348.00 9	351.00 3
1980	5640.00 4	3140.00 6	1440.00 11	747.00 20	665.00 11	392.00 19	315.00 19	325.00 13	272.00 11
1981	3250.00 15	1500.00 25	723.00 34	560.00 29	474.00 24	386.00 20	316.00 18	253.00 22	203.00 22
1982	2000.00 31	1670.00 23	1390.00 14	897.00 14	857.00 6	584.00 6	445.00 6	382.00 6	307.00 7
1983	1840.00 33	1130.00 33	650.00 36	422.00 35	355.00 32	254.00 31	184.00 34	164.00 34	142.00 33
1984	1530.00 35	1020.00 34	784.00 32	571.00 27	426.00 25	352.00 23	295.00 23	248.00 24	214.00 20
1985	4120.00 9	3160.00 5	1640.00 10	915.00 13	575.00 16	416.00 15	296.00 22	274.00 20	211.00 21

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	191.00 32
1949	210.00 35
1950	169.00 30
1951	181.00 31
1952	140.00 25
1953	88.00 10
1954	52.00 3
1955	99.00 13
1956	114.00 17
1957	76.00 7
1958	194.00 33
1959	277.00 38
1960	89.00 11
1961	67.00 5
1962	165.00 29
1963	91.00 12
1964	47.00 2
1965	116.00 19
1966	66.00 4
1967	129.00 24
1968	105.00 15
1969	106.00 16
1970	100.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1947	132.00 18
1948	154.00 11
1949	179.00 6
1950	191.00 5
1951	161.00 8
1952	139.00 16
1953	96.00 30
1954	30.00 39
1955	107.00 27
1956	127.00 19
1957	177.00 7
1958	223.00 1
1959	144.00 14
1960	65.00 35
1961	135.00 17
1962	123.00 21
1963	68.00 34
1964	110.00 25
1965	80.00 33
1966	47.00 37
1967	139.00 15
1968	116.00 24
1969	106.00 28

03325500 MISSISSINAWA RIVER NEAR RIDGEVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	77.00	8
1972	69.00	6
1973	237.00	36
1974	153.00	28
1975	141.00	26
1976	126.00	23
1977	27.00	1
1978	125.00	22
1979	117.00	20
1980	240.00	37
1981	115.00	18
1982	204.00	34
1983	78.00	9
1984	125.00	21
1985	145.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	90.00	31
1971	62.00	36
1972	145.00	13
1973	200.00	3
1974	121.00	22
1975	151.00	12
1976	101.00	29
1977	30.00	38
1978	156.00	10
1979	209.00	2
1980	195.00	4
1981	109.00	26
1982	160.00	9
1983	82.00	32
1984	126.00	20
1985	118.00	23

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	1.25	4.12	22.50	229.00	46.80	111.00	333.00	322.00	355.00	17.40	129.00	9.44
1948	23.60	12.30	31.40	179.00	382.00	509.00	615.00	49.10	20.40	38.70	5.06	1.79
1949	3.01	208.00	324.00	725.00	198.00	331.00	74.10	35.50	189.00	45.50	4.94	3.69
1950	8.81	3.78	18.00	865.00	548.00	252.00	194.00	62.60	156.00	118.00	14.70	69.30
1951	44.80	185.00	317.00	297.00	427.00	308.00	204.00	122.00	32.00	11.60	3.78	2.81
1952	3.12	15.30	300.00	427.00	251.00	300.00	226.00	86.50	9.96	2.37	13.80	26.10
1953	3.93	12.80	86.00	170.00	125.00	290.00	48.10	342.00	21.70	33.10	13.00	2.78
1954	1.70	1.82	3.80	19.70	33.90	96.10	117.00	33.20	36.70	6.72	6.92	0.99
1955	103.00	74.30	114.00	213.00	229.00	264.00	87.50	28.50	48.80	88.60	6.32	35.90
1956	165.00	359.00	43.40	21.60	340.00	160.00	181.00	120.00	84.50	52.10	16.10	4.41
1957	4.79	6.21	39.90	177.00	188.00	46.10	617.00	321.00	461.00	251.00	12.30	16.50
1958	17.80	38.80	376.00	66.30	68.70	81.20	166.00	161.00	1417.0	100.00	167.00	20.90
1959	10.10	64.60	38.50	575.00	422.00	218.00	256.00	132.00	18.60	8.22	4.26	2.82
1960	11.00	32.30	97.50	196.00	217.00	96.70	49.90	34.90	17.80	18.10	7.77	3.29
1961	4.24	5.00	2.93	3.51	142.00	513.00	437.00	78.20	67.60	58.40	177.00	134.00
1962	22.80	46.50	53.10	404.00	203.00	308.00	43.90	72.30	29.20	265.00	13.60	12.00
1963	11.50	17.80	8.19	16.50	21.60	565.00	95.90	39.10	13.20	8.65	6.06	3.11
1964	3.16	4.42	2.62	6.66	5.00	375.00	810.00	45.90	52.30	10.50	4.10	3.00
1965	2.60	3.21	3.35	29.90	192.00	261.00	394.00	56.70	18.00	7.84	3.34	5.68
1966	43.50	7.22	11.10	83.90	112.00	58.50	71.20	132.00	16.50	8.98	4.14	24.10
1967	6.10	145.00	496.00	93.20	131.00	407.00	138.00	189.00	30.00	12.10	5.20	3.38
1968	4.49	11.40	389.00	188.00	148.00	139.00	130.00	202.00	121.00	20.40	30.10	5.08
1969	6.28	84.70	171.00	281.00	144.00	76.70	191.00	175.00	61.80	27.50	36.40	21.80
1970	32.20	104.00	48.50	166.00	163.00	173.00	276.00	53.70	43.60	20.40	10.20	3.67
1971	4.52	5.49	18.00	32.10	343.00	141.00	28.10	96.60	41.70	16.30	5.35	32.10
1972	18.30	10.00	257.00	122.00	32.80	160.00	489.00	118.00	100.00	90.50	10.40	337.00
1973	93.30	589.00	291.00	146.00	111.00	478.00	254.00	72.50	250.00	23.80	82.60	8.67
1974	9.22	57.30	210.00	476.00	194.00	203.00	160.00	41.10	40.60	12.60	21.60	25.70
1975	6.15	16.80	222.00	307.00	533.00	328.00	144.00	54.50	154.00	12.30	50.70	13.30
1976	51.00	29.20	153.00	219.00	476.00	174.00	25.80	16.70	53.20	19.50	5.30	3.50
1977	4.37	4.34	3.63	3.25	75.40	108.00	82.50	47.00	10.10	3.91	8.14	17.40
1978	54.00	14.20	473.00	36.30	18.80	714.00	318.00	138.00	22.80	39.10	21.00	6.30
1979	5.74	11.90	103.00	139.00	170.00	427.00	261.00	58.50	116.00	709.00	454.00	42.30
1980	48.80	385.00	159.00	82.50	108.00	441.00	144.00	35.80	658.00	125.00	153.00	11.90
1981	9.79	10.70	11.20	11.00	150.00	69.10	173.00	352.00	389.00	83.90	27.80	30.80
1982	14.10	11.10	63.60	225.00	473.00	622.00	160.00	190.00	159.00	16.00	4.60	3.47
1983	3.51	37.90	160.00	37.20	90.20	72.30	263.00	209.00	60.40	53.90	2.13	1.78
1984	20.00	132.00	236.00	22.50	187.00	318.00	370.00	109.00	36.50	73.60	7.49	6.74
1985	25.20	125.00	182.00	95.80	434.00	305.00	140.00	54.70	30.60	18.70	24.60	5.12

## WABASH RIVER BASIN

03325500 MISSISSINAWA RIVER NEAR RIDGEVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.37	7.22	18.00	32.10	108.00	111.00
FIFTIETH PERCENTILE					
9.79	16.80	97.50	146.00	170.00	261.00
SEVENTY FIFTH PERCENTILE					
25.19	84.70	236.00	229.00	340.00	375.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
95.90	47.00	22.80	12.10	5.20	3.38
FIFTIETH PERCENTILE					
173.00	78.20	48.80	20.40	10.40	6.74
SEVENTY FIFTH PERCENTILE					
276.00	161.00	154.00	73.60	27.80	24.10



## 03326000 MISSISSINNEWA RIVER NEAR EATON, IN

LOCATION.--Lat 40°19'08", long 85°19'10", in NW¼ sec.31, T.22 N., R.11 E., Delaware County, Hydrologic Unit 05120103, on right bank at downstream side of bridge, 1.5 mi upstream from Estey Creek, and 2.5 mi southeast of Eaton.

DRAINAGE AREA.--310 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1952 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 880.60 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 24, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--19 years, 266 ft<sup>3</sup>/s, 11.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,400 ft<sup>3</sup>/s June 10, 1958, gage height, 18.53 ft, from rating curve extended above 6,000 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow; minimum daily, 2.0 ft<sup>3</sup>/s Sept. 23, 27, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1953		1	5	5	15	5	4	8	21	31	23	19	9	15	14	18	31	25	26	15	18	17	7	10	6	6	3	2	3	2	1				
1954		15	21	16	18	47	13	27	34	14	16	22	21	15	19	12	11	13	7	6	4	5	2	1	2	3	1								
1955				3		16	10	5	6	12	22	23	30	48	31	14	17	20	19	17	11	13	16	9	6	7	7	1		2					
1956								12	13	2	14	12	8	19	36	38	29	26	21	31	15	14	21	16	6	9	4	4	11		2	3			
1957						9	10	25	29	21	20	12	16	8	29	20	26	22	16	14	12	13	4	9	10	4	8	10	5	7	3	2		1	
1958									4	10	3	14	34	21	36	29	39	39	25	19	19	16	11	9	6	5	3	7	3	4	4	2		2	1
1959					2	23	16	16	15	13	33	26	10	13	22	9	20	22	18	16	18	19	14	8	10	8	5	2		1	4	1		1	
1960					8	18	13	8	9	33	21	15	30	36	33	37	21	17	11	11	9	10	2	4	6	4		5	4	1					
1961				3	11	19	82		16	4	8	13	14	19	24	18	14	16	13	7	15	13	2	11	5	4	11	13	6	2	2				
1962									4	15	49	25	15	38	39	32	28	21	24	14	11	14	2	7	5	2	6	5	1	3	3		2		
1963		5	5	9	7	22	21		20	12	36	46	45	24	24	15	13	11	4	6	9	4	6	5	2	3	3	4		2		1	1		
1964		11	9	12	41	46	31		39	28	7	24	13	11	9	7	9	8	11	8	7	3	6	1	3	3	5	4	3	1	4			1	1
1965		1	6	19	46	32	28		26	32	17	11	14	18	14	6	8	9	14	13	10	7	7	4	5	4	2	4	7		1				
1966		1	2	6	14	14	25		7	25	35	39	48	29	20	9	19	15	15	8	8	7	6	4	2	3	2	2							
1967				9	31	12	21		11	28	17	6	19	19	16	25	18	15	15	12	21	14	8	7	11	3	6	9	7		2	3			
1968				1	11	10	8		22	26	26	25	29	34	28	22	12	12	14	14	11	10	7	8	5	3	9	6	7	4	2				
1969					1	3	13		20	31	11	12	13	16	43	40	23	24	20	19	19	10	12	7	6	4	4	6	4	3	1				
1970					3	17	16		6	14	17	15	35	31	35	23	22	23	17	23	8	15	9	11	7	4	3	6	2	2	1				
1971						19	21		25	45	37	27	25	23	15	16	22	17	15	11	9	12	5	1	7	4	1	1	5	2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6939	100.00	12	36.0	439	4292	61.85	24	840.0	113	517	7.45
1	2.0	16	6939	100.00	13	47.0	454	3853	55.53	25	1100.0	78	404	5.82
2	2.6	44	6923	99.77	14	61.0	489	3399	48.98	26	1400.0	83	326	4.70
3	3.4	46	6879	99.14	15	79.0	381	2910	41.94	27	1800.0	98	243	3.50
4	4.4	102	6833	98.47	16	100.0	379	2529	36.45	28	2400.0	57	145	2.09
5	5.7	283	6731	97.00	17	130.0	350	2150	30.98	29	3100.0	38	88	1.27
6	7.4	272	6448	92.92	18	170.0	315	1800	25.94	30	4100.0	31	50	0.72
7	9.7	368	6176	89.00	19	230.0	248	1485	21.40	31	5300.0	9	19	0.27
8	13.0	316	5808	83.70	20	290.0	233	1237	17.83	32	6900.0	4	10	0.14
9	16.0	408	5492	79.15	21	380.0	223	1004	14.47	33	8900.0	5	6	0.09
10	21.0	410	5084	73.27	22	500.0	142	781	11.26	34	12000.0	1	1	0.01
11	28.0	382	4674	67.36	23	650.0	122	639	9.21					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	6.5
P90 =	9.1
P75 =	19.5
P70 =	24.9
P50 =	58.8
P25 =	182.0
P10 =	592.0

## 03326000 MISSISSIPPI RIVER NEAR EATON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1953	4.80 7	5.10 7	5.60 7	6.30 8	7.80 9	12.00 11	20.00 12	44.00 14	44.00 11
1954	2.20 2	2.20 2	2.50 2	2.90 2	3.10 2	4.30 1	5.00 1	6.60 1	14.00 4
1955	2.00 1	2.10 1	2.20 1	2.30 1	2.90 1	6.80 5	6.90 3	11.00 6	45.00 12
1956	5.80 11	5.90 11	6.40 11	6.50 11	9.20 12	19.00 14	80.00 18	83.00 16	106.00 15
1957	5.80 12	6.10 12	6.60 12	7.20 12	8.00 10	9.80 9	11.00 8	18.00 11	36.00 7
1958	14.00 16	14.00 16	14.00 16	15.00 16	24.00 16	39.00 17	56.00 16	82.00 15	263.00 19
1959	22.00 18	22.00 18	23.00 18	27.00 19	28.00 18	37.00 16	51.00 15	102.00 18	155.00 16
1960	4.90 8	5.40 10	5.80 10	6.40 9	7.00 8	9.00 8	11.00 9	17.00 10	45.00 13
1961	5.20 10	5.30 9	5.60 8	5.90 7	6.40 7	7.20 6	8.60 6	9.20 4	11.00 3
1962	23.00 19	23.00 19	24.00 19	25.00 18	26.00 17	61.00 18	74.00 17	90.00 17	171.00 18
1963	15.00 17	15.00 17	16.00 17	16.00 17	21.00 15	26.00 15	28.00 14	36.00 13	40.00 8
1964	2.80 3	2.90 3	3.20 3	3.80 3	4.10 3	5.20 2	7.00 4	7.60 3	9.50 1
1965	2.80 4	2.90 4	3.20 4	4.20 4	5.50 4	5.80 3	6.40 2	7.40 2	11.00 2
1966	3.90 6	4.10 6	5.00 5	5.60 5	6.00 6	7.30 7	11.00 7	16.00 8	40.00 9
1967	3.00 5	3.60 5	5.70 9	6.40 10	8.20 11	12.00 12	15.00 11	17.00 9	43.00 10
1968	4.90 9	5.20 8	5.50 6	5.70 6	5.90 5	6.80 4	8.00 5	10.00 5	23.00 5
1969	11.00 15	11.00 15	12.00 15	12.00 14	13.00 14	15.00 13	22.00 13	35.00 12	83.00 14
1970	7.30 14	7.70 14	9.70 14	14.00 15	29.00 19	81.00 19	128.00 19	131.00 19	161.00 17
1971	6.50 13	6.90 13	7.90 13	8.00 13	9.50 13	11.00 10	13.00 10	15.00 7	33.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1953	4100.00 14	3090.00 13	2000.00 15	1390.00 12	824.00 14	543.00 17	580.00 12	508.00 12	440.00 10
1954	1480.00 19	1140.00 19	640.00 19	427.00 19	395.00 18	270.00 18	214.00 19	177.00 19	129.00 19
1955	3710.00 15	2940.00 16	1770.00 17	1270.00 14	698.00 17	557.00 16	572.00 13	491.00 15	356.00 14
1956	5240.00 8	3750.00 9	1980.00 16	1080.00 17	797.00 15	688.00 12	546.00 14	493.00 14	433.00 11
1957	11200.00 3	6150.00 5	3660.00 4	2250.00 5	1620.00 3	1230.00 4	1200.00 1	1030.00 1	824.00 1
1958	15600.00 1	10900.00 1	8440.00 1	4930.00 1	2650.00 1	1500.00 1	1100.00 2	895.00 2	694.00 2
1959	11600.00 2	6790.00 3	3400.00 6	1900.00 7	1580.00 4	1070.00 5	827.00 5	775.00 3	587.00 5
1960	3600.00 17	2590.00 17	2130.00 11	1180.00 16	955.00 13	584.00 15	487.00 17	443.00 17	326.00 17
1961	4410.00 12	3120.00 12	2340.00 10	1940.00 6	1500.00 6	1270.00 3	958.00 3	774.00 4	611.00 4
1962	8380.00 5	5710.00 7	2730.00 8	1650.00 9	1100.00 8	848.00 7	749.00 6	593.00 8	479.00 8
1963	8000.00 6	6170.00 4	3440.00 5	2280.00 3	1580.00 5	929.00 6	649.00 10	502.00 13	347.00 15
1964	10500.00 4	7830.00 2	4380.00 2	2510.00 2	1740.00 2	1360.00 2	936.00 4	733.00 6	492.00 7
1965	4240.00 13	3080.00 14	2090.00 13	1330.00 13	979.00 12	805.00 10	696.00 9	553.00 9	379.00 13
1966	1820.00 18	1530.00 18	923.00 18	498.00 18	364.00 19	264.00 19	229.00 18	210.00 18	189.00 18
1967	6580.00 7	5970.00 6	4240.00 3	2270.00 4	1280.00 7	807.00 8	702.00 7	744.00 5	654.00 3
1968	4590.00 10	4080.00 8	3180.00 7	1720.00 8	1090.00 9	805.00 9	696.00 8	607.00 7	542.00 6
1969	4510.00 11	3660.00 11	2110.00 12	1560.00 11	992.00 11	678.00 13	521.00 15	526.00 11	449.00 9
1970	5040.00 9	3710.00 10	2070.00 14	1190.00 15	771.00 16	612.00 14	646.00 11	528.00 10	429.00 12
1971	3610.00 16	3070.00 15	2650.00 9	1620.00 10	1080.00 10	721.00 11	508.00 16	451.00 16	329.00 16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1953	219.00 7
1954	130.00 2
1955	210.00 5
1956	249.00 10
1957	212.00 6
1958	508.00 18
1959	546.00 19
1960	248.00 9
1961	162.00 3
1962	400.00 17
1963	251.00 11
1964	123.00 1
1965	266.00 13
1966	170.00 4
1967	309.00 16
1968	286.00 14
1969	259.00 12
1970	295.00 15
1971	228.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1953	243.00 12
1954	69.00 19
1955	224.00 13
1956	317.00 6
1957	439.00 2
1958	480.00 1
1959	318.00 5
1960	186.00 15
1961	331.00 4
1962	306.00 8
1963	186.00 16
1964	251.00 11
1965	196.00 14
1966	116.00 18
1967	350.00 3
1968	312.00 7
1969	285.00 9
1970	256.00 10
1971	182.00 17

## 03326000 MISSISSINAWA RIVER NEAR EATON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1952	*	*	*	*	*	*	516.00	205.00	38.70	9.53	30.50	116.00
1953	17.60	68.20	265.00	355.00	307.00	709.00	215.00	772.00	54.90	98.50	38.80	5.16
1954	3.79	6.68	13.70	48.80	60.20	222.00	301.00	83.50	63.60	10.30	10.40	3.21
1955	149.00	98.20	212.00	515.00	504.00	590.00	216.00	68.40	87.10	196.00	25.50	42.10
1956	321.00	795.00	113.00	54.00	770.00	341.00	515.00	307.00	490.00	95.20	37.60	13.10
1957	9.62	13.30	104.00	389.00	463.00	138.00	1619.0	821.00	1124.0	495.00	30.00	100.00
1958	114.00	162.00	1050.0	176.00	190.00	218.00	291.00	360.00	2628.0	221.00	300.00	60.20
1959	29.50	208.00	111.00	1043.0	867.00	501.00	608.00	397.00	51.40	16.70	9.45	9.14
1960	64.00	129.00	268.00	502.00	649.00	287.00	131.00	88.20	45.60	59.60	17.30	6.59
1961	8.60	11.20	11.00	11.60	236.00	1314.0	1102.0	226.00	224.00	110.00	504.00	209.00
1962	35.30	91.60	96.30	1052.0	431.00	726.00	82.10	166.00	107.00	803.00	37.00	24.50
1963	31.20	57.30	33.20	60.10	62.60	1506.0	278.00	107.00	35.70	17.60	11.00	5.21
1964	5.38	10.60	9.96	19.40	15.80	948.00	1719.0	108.00	124.00	47.20	8.16	5.70
1965	6.14	9.92	13.60	102.00	469.00	626.00	975.00	110.00	30.90	14.20	6.20	29.70
1966	141.00	29.20	32.00	262.00	272.00	158.00	145.00	268.00	37.00	23.00	8.50	24.80
1967	14.20	248.00	1157.0	265.00	395.00	1109.0	401.00	496.00	59.60	27.80	9.15	5.92
1968	9.26	25.30	1054.0	428.00	577.00	332.00	321.00	511.00	333.00	53.70	79.50	15.50
1969	13.80	140.00	377.00	752.00	349.00	168.00	599.00	381.00	233.00	63.50	129.00	216.00
1970	133.00	350.00	145.00	431.00	423.00	454.00	733.00	119.00	146.00	65.80	86.10	9.90
1971	13.70	18.40	49.50	80.80	1110.0	385.00	62.10	284.00	116.00	36.80	11.80	85.40
1972	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
9.26	13.30	32.00	60.10	236.00	222.00
FIFTIETH PERCENTILE					
17.60	68.20	111.00	265.00	423.00	454.00
SEVENTY FIFTH PERCENTILE					
114.00	162.00	268.00	502.00	577.00	726.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
215.00	109.00	47.00	18.89	9.69	6.09
FIFTIETH PERCENTILE					
361.00	247.00	97.00	56.60	27.70	20.00
SEVENTY FIFTH PERCENTILE					
702.00	393.00	231.00	107.00	69.30	79.10

## 03326070 BIG LICK CREEK NEAR HARTFORD CITY, IN

LOCATION.--Lat 40°25'20", long 85°21'04", in SE¼SE¼ sec.23, T.23 N., R.10 E., Blackford County, Hydrologic Unit 05120103, on right bank 6 ft downstream from bridge on County Road 100 East, and 2.0 mi southeast of Hartford City.

DRAINAGE AREA.--29.2 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1971 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 865.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--14 years, 27.5 ft<sup>3</sup>/s, 12.79 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1940 ft<sup>3</sup>/s June 6, 1981, gage height, 16.14 ft; minimum daily, 0.19 ft<sup>3</sup>/s Oct. 4, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1972					1		9	9	22	11	14	22	33	23	14	8	15	23	32	27	16	22	21	11	7	6	7	4	5	1	2	1				
1973										1	15	18	9	18	31	40	38	20	24	32	21	27	21	8	11	8	12	2	2	3	3	1				
1974							6	16	19	21	34	21	17	25	28	25	25	21	20	11	11	8	8	10	6	11	6	6	6	1	3					
1975						1	8	9	11	18	48	32	23	24	20	20	14	18	24	17	14	12	14	6	7	11	5	4	2	1	1	1				
1976					5	14	14	6	16	23	30	53	39	30	16	14	15	18	16	10	6	6	4	7	4	5	4	3	2	1	4	1				
1977					31	40	43	43	40	38	27	18	10	9	13	10	6	4	8	3	3	5	6	1	4	1		1		1						
1978					2	1	7	14	10	19	51	71	26	23	20	15	7	16	8	13	7	10	5	7	8	7	3	5	2	5	3					
1979							7	27	7	13	35	45	45	36	37	16	15	18	14	4	10	2	7	7	5	7	3	2	2		1					
1980									3	14	32	50	34	35	29	24	22	10	13	13	18	8	7	12	10	12	1	7	3	4	2	2	1			
1981									2	17	23	33	30	44	38	22	22	11	19	14	15	17	15	11	5	5	9	4	2	2	3	1				1
1982							13	14	25	24	37	29	15	37	27	19	14	12	10	12	8	13	8	9	2	7	8	8	6	3	3	1	1			
1983				10	10	15	36	30	24	21	18	26	29	23	19	22	16	10	8	9	4	6	4	5	4	4	8	2	1	1						
1984			3	1	3		2	2	1	22	33	29	28	27	30	31	21	16	22	16	10	8	10	8	6	12	7	7	6	1	1	1				
1985							2	14	44	27	35	37	38	27	24	21	14	16	10	13	4	7	6	7	1	3	7	1	2	1	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5114	100.00	12	3.4	429	3369	65.88	24	80.0	78	438	8.56
1	0.19	3	5114	100.00	13	4.4	394	2940	57.49	25	100.0	101	360	7.04
2	0.25	1	5111	99.94	14	5.8	344	2546	49.78	26	130.0	89	259	5.06
3	0.32	13	5110	99.92	15	7.5	316	2202	43.06	27	180.0	54	170	3.32
4	0.42	16	5097	99.67	16	9.8	257	1886	36.88	28	230.0	45	116	2.27
5	0.54	65	5081	99.35	17	13.0	203	1629	31.85	29	300.0	23	71	1.39
6	0.71	131	5016	98.08	18	16.0	236	1426	27.88	30	380.0	30	48	0.94
7	0.92	157	4885	95.52	19	21.0	204	1190	23.27	31	500.0	14	18	0.35
8	1.2	251	4728	92.45	20	28.0	147	986	19.28	32	650.0	2	4	0.08
9	1.6	256	4477	87.54	21	36.0	154	839	16.41	33	850.0	0	2	0.04
10	2.0	389	4221	82.54	22	47.0	135	685	13.39	34	1100.0	2	2	0.04
11	2.6	463	3832	74.93	23	61.0	112	550	10.75					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.97  
P90 = 1.4  
P75 = 2.6  
P70 = 3.0  
P50 = 5.8  
P25 = 19.1  
P10 = 67.6

## 03326070 BIG LICK CREEK NEAR HARTFORD CITY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1973	1.19 10	1.30 9	1.40 8	1.80 10	2.60 13	11.00 13	16.00 13	18.00 13	26.00 13
1974	1.70 12	1.70 12	1.80 13	2.00 11	2.40 11	2.60 7	3.00 7	7.30 12	11.00 10
1975	0.66 5	0.79 6	0.89 5	0.93 4	1.50 5	1.60 5	1.90 5	2.10 5	4.50 4
1976	0.97 8	1.10 8	1.50 9	1.50 8	2.00 8	5.20 12	5.50 12	6.50 9	9.30 8
1977	0.44 2	0.53 2	0.57 2	0.62 2	0.68 2	0.94 3	1.10 2	1.19 1	1.19 1
1978	0.54 3	0.60 3	0.85 4	0.98 5	1.10 4	1.30 4	1.80 4	1.90 4	4.80 5
1979	0.64 4	0.69 4	0.90 6	1.10 6	1.60 6	2.90 10	5.20 10	5.00 8	8.60 7
1980	0.96 7	0.99 7	1.19 7	1.30 7	1.80 7	2.80 9	4.60 9	7.30 10	11.00 11
1981	1.19 9	1.40 10	1.70 10	1.80 9	2.20 10	2.60 8	2.70 6	4.70 7	9.70 9
1982	1.70 13	1.70 13	1.80 11	2.00 12	2.60 12	4.70 11	5.50 11	7.30 11	12.00 12
1983	0.71 6	0.75 5	0.78 3	0.80 3	0.87 3	0.92 2	1.10 3	1.80 3	3.50 3
1984	0.19 1	0.23 1	0.32 1	0.50 1	0.55 1	0.67 1	0.94 1	1.19 2	2.30 2
1985	1.50 11	1.60 11	1.80 12	2.10 13	2.10 9	2.50 6	3.50 8	3.60 6	7.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1972	515.00 10	383.00 6	227.00 9	149.00 8	116.00 7	80.00 8	62.00 9	52.00 11	45.00 8
1973	542.00 9	289.00 12	145.00 12	136.00 11	104.00 10	76.00 10	60.00 10	54.00 10	57.00 4
1974	453.00 12	349.00 8	246.00 7	176.00 7	109.00 9	86.00 6	72.00 5	67.00 4	55.00 5
1975	602.00 7	329.00 10	182.00 11	116.00 12	79.00 12	63.00 11	58.00 11	56.00 9	44.00 9
1976	546.00 8	358.00 7	287.00 5	201.00 5	144.00 4	92.00 5	70.00 6	58.00 8	41.00 10
1977	404.00 13	195.00 14	141.00 13	88.00 14	57.00 14	38.00 14	31.00 14	24.00 14	16.00 14
1978	615.00 5	520.00 4	405.00 1	294.00 1	193.00 1	115.00 3	87.00 3	70.00 3	58.00 3
1979	504.00 11	333.00 9	201.00 10	145.00 10	84.00 11	61.00 12	44.00 12	40.00 12	32.00 12
1980	697.00 4	472.00 5	238.00 8	146.00 9	111.00 8	80.00 9	65.00 7	59.00 6	52.00 7
1981	1580.00 1	732.00 1	360.00 3	237.00 2	179.00 3	136.00 2	104.00 2	83.00 2	62.00 2
1982	841.00 3	559.00 3	337.00 4	221.00 4	191.00 2	138.00 1	112.00 1	96.00 1	66.00 1
1983	366.00 14	209.00 13	137.00 14	103.00 13	68.00 13	48.00 13	34.00 13	30.00 13	28.00 13
1984	605.00 6	328.00 11	258.00 6	181.00 6	117.00 6	84.00 7	76.00 4	62.00 5	53.00 6
1985	1100.00 2	729.00 2	379.00 2	225.00 3	139.00 5	93.00 4	64.00 8	58.00 7	41.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1973	47.00 12
1974	32.00 11
1975	27.00 7
1976	28.00 8
1977	8.30 1
1978	25.00 5
1979	24.00 4
1980	27.00 6
1981	22.00 3
1982	59.00 13
1983	12.00 2
1984	29.00 10
1985	28.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1972	32.00 6
1973	37.00 1
1974	30.00 7
1975	26.00 9
1976	23.00 10
1977	9.20 14
1978	33.00 5
1979	21.00 12
1980	35.00 2
1981	35.00 3
1982	35.00 4
1983	15.00 13
1984	30.00 8
1985	23.00 11

## WABASH RIVER BASIN

03326070 BIG LICK CREEK NEAR HARTFORD CITY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	*	*	*	*	*	*	*	*	*	1.41	2.42	3.30
1972	3.59	1.57	47.50	30.50	6.72	46.50	112.00	24.10	23.50	24.30	11.80	55.00
1973	17.40	87.20	63.70	26.50	21.70	96.00	46.60	13.10	41.80	6.94	20.20	2.97
1974	2.57	25.20	50.60	92.70	41.70	45.90	41.90	38.90	13.10	4.02	1.99	2.00
1975	1.63	5.29	45.00	49.90	73.40	50.90	36.50	7.55	26.00	2.72	11.20	2.58
1976	9.43	8.74	30.60	39.00	109.00	51.10	4.85	4.19	12.60	2.87	1.30	0.83
1977	1.65	1.26	1.63	0.76	30.00	39.60	13.00	11.70	1.77	1.11	2.45	7.04
1978	12.20	8.39	77.90	5.56	3.41	152.00	71.60	32.10	4.21	15.90	10.60	2.56
1979	3.40	14.70	25.50	23.60	21.90	65.80	38.20	9.21	27.60	7.83	15.30	3.40
1980	2.31	46.20	39.60	11.70	24.70	99.90	37.60	10.50	66.60	29.40	45.90	2.90
1981	3.31	2.26	10.80	8.32	40.00	11.20	45.50	114.00	148.00	17.30	9.27	9.66
1982	6.35	6.19	23.90	84.20	91.30	150.00	37.20	7.26	10.00	2.80	3.49	0.95
1983	0.92	4.49	44.90	6.42	18.30	9.38	57.80	31.00	2.25	1.61	1.08	0.61
1984	2.88	25.20	60.20	5.04	63.60	94.60	69.20	17.90	10.20	10.80	5.44	2.36
1985	2.90	10.70	25.40	23.10	97.80	64.70	31.50	7.56	7.67	2.21	2.10	2.24

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

2.14	3.93	25.00	6.20	20.80	44.30
------	------	-------	------	-------	-------

## FIFTIETH PERCENTILE

3.10	8.56	42.20	23.30	35.00	57.90
------	------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

7.12	25.19	53.00	41.70	77.90	97.00
------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

35.20	7.56	6.80	2.21	2.10	2.00
-------	------	------	------	------	------

## FIFTIETH PERCENTILE

40.00	12.40	12.90	4.02	5.44	2.58
-------	-------	-------	------	------	------

## SEVENTY FIFTH PERCENTILE

60.60	31.30	31.10	15.90	11.80	3.40
-------	-------	-------	-------	-------	------

## 03326500 MISSISSINAWA RIVER AT MARION, IN

LOCATION.--Lat 40°34'34", long 85°39'34", in SE¼NE¼ sec.31, T.25 N., R.8 E., Grant County, Hydrologic Unit 05120103, on left bank 12 ft downstream from Highland Avenue bridge in Marion, 0.1 mi downstream from old mill dam, 1.0 mi upstream from Hummel Creek, 4.6 mi downstream from Lugar Creek, and at mile 35.8.

DRAINAGE AREA.--682 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 774.56 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 9, 1933, nonrecording gage at same site and datum.

REMARKS.--Flow periodically regulated by dam above station.

AVERAGE DISCHARGE.--62 years, 626 ft<sup>3</sup>/s, 12.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft<sup>3</sup>/s Mar. 21, 1927, gage height, 17.40 ft from graph based on gage readings, from rating curve extended above 18,000 ft<sup>3</sup>/s; minimum daily, 3.4 ft<sup>3</sup>/s Oct. 25, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 19.20 ft from information by State of Indiana, Department of Natural Resources.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1924					2		3	2	1	3	6	25	25	8	23	15	32	29	44	25	28	29	12	14	8	6	8	7	4	3		4				
1925							11	2	8	39	35	25	44	16	39	19	32	17	22	14	9	10	7	2	4	1	3	1	2	1	2					
1926						4	3	3	8	3	8	25	16	36	31	31	29	36	18	18	17	18	4	16	11	11	6	3	4	5	1					
1927									3	23	21	17	10	14	26	40	27	27	35	24	22	18	9	11	12	9	4	4	3	1	1	4				
1928								46	1	1	3	9	12	10	58	22	37	31	42	27	8	10	10	7	11	8	3	4	2	4						
1929					19			45	1	22	4	44	20	2	35	4	13	16	24	28	17	18	13	8	7	8	8	4	3	1	1					
1931						2	13	64	82	35	37	17	27	16	10	9	22	12	7	4	2	2	2	2												
1932						8	18	26	16	23	28	22	18	29	29	17	35	33	12	11	8	8	5	8	5	8	2	1	1							
1933								14	31	25	29	21	26	20	29	17	32	24	21	11	15	8	12	5	4	7	5	3	1	2	3					
1934					3	7	22	29	32	46	65	37	28	18	25	13	11	10	4	4	4	1	1	3	2											
1935			1					2	25	73	36	28	34	29	32	19	20	12	13	9	7	10	3	3	3	1	3	2								
1936						3	2	23	36	65	51	32	33	14	16	15	14	15	12	9	5	5	1	4	4	2	3			2						
1937								4	21	33	47	24	29	22	31	21	23	19	17	13	9	11	11	10	8	6	3			1	1	1				
1938									3	21	61	37	39	14	38	22	16	16	24	8	19	10	7	4	9	6	4	2	4	1						
1939								1	22	7	67	30	30	25	30	25	32	16	14	16	9	7	3	6	6	9	2	2	2	1	2	1				
1940						2	18	34	18	78	40	19	14	28	28	16	13	7	9	7	8	9	8	1	3	1	2	3								
1941	1	1	2	5	3	2	7	30	43	58	58	51	28	28	12	10	11	2	3	2	3	1	1	2	1											
1942						2	4	5	41	51	28	36	21	36	30	23	23	17	5	6	6	8	3	6	4	3	6	1								
1943									18	22	24	24	22	26	39	46	27	25	20	17	11	10	3	11	4	6	2	2	3	1	1	1				
1944	1	1	1	1	1	1	1	3	13	21	44	82	45	12	18	4	5	16	19	12	12	10	10	5	5	2	4	2	1	1	1	1				
1945						1	1	3	15	34	69	42	8	17	9	1	22	20	15	12	11	7	7	3	5	4	5	4	1							
1946									14	16	11	14	38	28	48	36	24	21	20	18	13	18	11	9	9	6	9	2								
1947									16	11	29	22	34	34	34	20	19	21	14	17	24	9	16	13	13	5	5	7	2							
1948					1			1	19	20	22	19	46	51	28	35	19	15	18	11	12	8	7	4	7	5	3	6	7	1						
1949			1		1	1		1	24	41	16	20	8	26	24	32	28	30	17	21	15	19	9	6	7	6	4	7	1							
1950									2	30	40	20	19	28	25	23	21	25	12	27	17	19	7	13	5	7	9	5	6	2	3					
1951			1	1		2			1	7	33	19	27	23	23	30	26	19	24	22	15	17	14	15	18	13	5	5	2	3						
1952									28	47	26	16	25	21	10	25	22	24	19	16	18	18	15	15	4	7	5	1	3	1						
1953			1	1		1	1	2	12	21	44	16	26	12	20	23	43	29	22	17	18	14	17	5	10	3	3	3	1							
1954								21	19	86	67	26	19	21	21	17	9	10	10	6	3	4	1													
1955	1							1	3	1	18	14	27	47	48	31	17	20	21	26	17	16	18	14	9	5	5	4	2							
1956									16	9	16	13	26	26	45	27	32	28	21	24	19	17	12	7	11	6	6	4	1							
1957			1					7	14	33	31	25	23	20	17	26	33	22	18	10	11	11	13	5	12	10	5	9	4	2	1	2				
1958							1				13	4	16	34	29	38	49	41	31	25	17	9	16	5	8	7	7	4	2	4			3	1	1	
1959									9	37	30	43	23	38	11	20	25	19	23	19	14	15	10	10	6	1	4	2	4	2						
1960									1	15	16	34	44	34	46	28	44	19	18	18	12	8	8	1	5	6	6	3								
1961								1		37	89	17	17	19	31	14	23	21	12	9	12	5	9	4	14	7	12	6	6							
1962						1	2			2	10	39	18	21	60	38	38	32	21	18	15	11	5	6	5	5	6	4	4			2	2			
1963					2			7	26	9	35	69	60	23	24	22	21	8	11	6	9	5	5	4	6	6	3			1	1	1				
1964									33	102	60	21	14	21	12	10	12	8	11	9	10	7	3	7	3	4	6	4	4	1	2	2				
1965								1	24	63	55	42	34	15	25	11	14	14	14	10	6	6	7													
1966						1	1	11	29	19	14	72	39	45	29	18	21	19	16	10	7	3	5	2	3	1										
1967			1	1	2				8	65	44	13	14	18	30	26	21	18	17	16	15	8	13	5	6	10	6	2	2	1	3					
1968			3	1				1	7	10	43	19	22	33	54	30	30	14	14	11	17	9	8	6	9	11	7	1	3	2						
1969		2	1	1				1	1	1	20	30	16	17	22	39	35	41	39	19	16	19	6	12	5	8	2	4	6			2				
1970											17	15	11	29	36	41	32	38	32	18	24	14	12	16	8	10	1	5	5	1						

## 03326500 MISSISSINAWA RIVER AT MARION, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1971						2	32	33	28	52	42	48	23	27	16	16	7	9	6	6	4	5	3	2	3	1					
1972						1	1	27	48	16	12	30	28	29	35	25	23	14	17	20	9	7	7	6	6	2	3				
1973			1				1		5	26	18	10	22	36	38	26	28	31	31	16	15	10	11	5	5	2					
1974				1				1	59	29	18	21	26	40	36	17	22	14	14	11	12	17	12	3	3	5	2	2			
1975			1	1			2	1	42	40	30	22	20	29	27	26	26	26	12	18	8	16	9	6		1	1	1			
1976		4	1				11	32	22	26	39	24	34	35	28	21	20	13	10	9	8	3	9	6	3	2	4	1	1		
1977		1	4	2			2	33	77	68	29	23	15	17	13	20	8	9	7	12	6	10	4	4	1						
1978				1					14	19	35	56	44	26	47	19	16	12	13	12	10	8	7	6	4	5	3	6	2		
1979						1			14	26	15	41	47	44	54	17	22	18	13	7	10	4	12	6	7	1	4		2		
1980									11	26	35	38	46	51	26	17	18	17	14	19	13	13	6	6	4	4			2		
1981									25	75	37	26	29	20	24	25	20	16	14	12	11	11	8	3	4	1	3	1			
1982				1			1		15	37	42	30	27	34	35	21	14	18	17	16	19	6	7	7	7	7	2		2		
1983				2			18	23	34	35	17	16	43	23	39	33	22	14	10	7	8	4	10	3	2	1	1				
1984						1	2	11	26	34	30	32	34	14	24	28	19	25	16	14	15	5	10	8	8	7	2	1			
1985				1				1	18	27	49	46	50	29	39	21	19	15	8	8	9	4	7	3	4	2	2		1	1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	22281	100.00	12	64.0	1734	17919	80.42	24	1600.0	397	2051	9.21
1	3.4	5	22281	100.00	13	83.0	1796	16185	72.64	25	2000.0	495	1654	7.42
2	4.4	8	22276	99.98	14	110.0	1503	14389	64.58	26	2700.0	338	1159	5.20
3	5.8	10	22268	99.94	15	140.0	1906	12886	57.83	27	3500.0	302	821	3.68
4	7.6	23	22258	99.90	16	190.0	1403	10980	49.28	28	4500.0	208	519	2.33
5	9.9	33	22235	99.79	17	240.0	1759	9577	42.98	29	5900.0	138	311	1.40
6	13.0	21	22202	99.65	18	320.0	1309	7818	35.09	30	7700.0	86	173	0.78
7	17.0	65	22181	99.55	19	410.0	1224	6509	29.21	31	10000.0	44	87	0.39
8	22.0	297	22116	99.26	20	540.0	1014	5285	23.72	32	13000.0	31	43	0.19
9	29.0	562	21819	97.93	21	700.0	858	4271	19.17	33	17000.0	11	12	0.05
10	37.0	1488	21257	95.40	22	920.0	684	3413	15.32	34	23000.0	1	1	0.00
11	49.0	1850	19769	88.73	23	1200.0	678	2729	12.25					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	37.7
P90 =	46.7
P75 =	77.2
P70 =	91.8
P50 =	186.0
P25 =	510.0
P10 =	1500.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1925	12.00 22	14.00 11	18.00 4	37.00 24	41.00 21	52.00 24	63.00 23	96.00 31	165.00 32
1926	18.00 33	18.00 17	18.00 5	20.00 3	39.00 20	60.00 29	134.00 45	126.00 40	171.00 37
1927	17.00 31	17.00 14	21.00 10	30.00 13	52.00 36	115.00 51	187.00 55	304.00 57	1130.00 60
1928	43.00 52	43.00 43	49.00 43	56.00 45	65.00 45	92.00 43	137.00 46	158.00 44	294.00 50
1929	12.00 23	12.00 9	12.00 2	12.00 1	16.00 1	20.00 1	25.00 2	28.00 1	49.00 5
1930	46.00 55	46.00 48	51.00 45	56.00 46	65.00 46	83.00 41	102.00 39	317.00 58	530.00 57
1932	22.00 38	26.00 26	32.00 27	41.00 30	50.00 33	130.00 53	159.00 52	160.00 45	223.00 44
1933	25.00 39	28.00 28	29.00 21	31.00 14	35.00 15	54.00 25	74.00 27	101.00 32	138.00 27
1934	39.00 49	44.00 44	48.00 41	52.00 41	55.00 38	72.00 39	87.00 35	114.00 38	218.00 43
1935	21.00 35	22.00 22	24.00 14	27.00 8	35.00 16	45.00 18	44.00 13	51.00 13	52.00 6
1936	9.60 18	21.00 19	30.00 22	36.00 22	38.00 18	42.00 17	49.00 17	54.00 17	71.00 13
1937	15.00 28	15.00 12	20.00 8	25.00 7	30.00 6	32.00 5	35.00 3	42.00 5	90.00 17
1938	45.00 54	46.00 49	52.00 48	97.00 60	99.00 58	134.00 54	139.00 47	146.00 42	240.00 45
1939	51.00 56	52.00 53	57.00 51	60.00 49	61.00 42	66.00 32	107.00 41	133.00 41	196.00 40
1940	27.00 41	30.00 31	32.00 28	32.00 18	34.00 12	38.00 11	47.00 16	47.00 11	64.00 11
1941	3.80 2	5.40 3	8.40 1	19.00 2	22.00 2	23.00 2	24.00 1	31.00 2	45.00 4
1942	7.20 11	14.00 10	22.00 11	24.00 4	28.00 5	30.00 3	36.00 5	42.00 6	54.00 8
1943	43.00 53	45.00 46	46.00 39	47.00 38	49.00 29	82.00 40	107.00 41	167.00 47	193.00 39
1944	3.80 3	5.10 2	26.00 17	40.00 26	50.00 34	57.00 26	63.00 24	83.00 23	89.00 16
1945	7.60 13	11.00 8	16.00 3	24.00 5	27.00 3	30.00 4	35.00 4	37.00 3	38.00 1
1946	10.00 19	20.00 18	27.00 18	46.00 35	51.00 35	107.00 48	160.00 53	234.00 51	256.00 47
1947	31.00 44	31.00 32	31.00 25	32.00 19	33.00 9	38.00 12	44.00 14	54.00 18	127.00 24
1948	61.00 59	62.00 57	63.00 54	67.00 53	90.00 55	107.00 49	126.00 44	149.00 43	207.00 42
1949	7.60 14	22.00 20	39.00 31	44.00 33	49.00 30	51.00 22	58.00 20	108.00 34	204.00 41
1950	5.60 6	8.30 5	28.00 20	41.00 27	46.00 25	60.00 30	91.00 36	109.00 35	144.00 30



## 03326500 MISSISSINIEWA RIVER AT MARION, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1951	53.00 57	55.00 54	59.00 52	63.00 52	86.00 54	149.00 58	263.00 59	283.00 56	341.00 52
1952	6.40 8	9.10 6	23.00 12	37.00 23	46.00 26	52.00 23	60.00 21	69.00 19	119.00 22
1953	39.00 50	39.00 39	39.00 32	41.00 28	49.00 31	66.00 33	75.00 28	110.00 36	127.00 25
1954	5.80 7	9.40 7	20.00 9	29.00 10	35.00 13	36.00 8	38.00 6	42.00 7	57.00 9
1955	22.00 36	24.00 24	24.00 13	25.00 6	27.00 4	39.00 13	42.00 9	53.00 16	120.00 23
1956	4.00 4	17.00 15	44.00 37	46.00 36	54.00 37	105.00 46	256.00 58	282.00 55	302.00 51
1957	22.00 37	23.00 23	25.00 15	29.00 11	33.00 10	36.00 9	42.00 10	52.00 14	79.00 14
1958	6.70 9	28.00 29	42.00 35	46.00 37	73.00 50	107.00 47	141.00 48	222.00 50	604.00 59
1959	14.00 27	71.00 60	86.00 60	92.00 59	94.00 57	114.00 50	141.00 49	278.00 54	362.00 54
1960	43.00 51	45.00 47	47.00 40	49.00 39	57.00 39	71.00 38	75.00 29	90.00 27	129.00 26
1961	27.00 42	39.00 40	44.00 36	45.00 34	47.00 27	49.00 20	53.00 19	52.00 15	59.00 10
1962	13.00 24	58.00 56	67.00 55	69.00 54	75.00 51	171.00 59	176.00 54	206.00 49	293.00 49
1963	18.00 32	50.00 50	59.00 53	62.00 50	70.00 48	84.00 42	96.00 38	95.00 30	104.00 19
1964	11.00 20	17.00 16	27.00 19	29.00 12	31.00 7	34.00 6	38.00 7	39.00 4	44.00 2
1965	28.00 43	29.00 30	30.00 23	31.00 15	33.00 11	37.00 10	41.00 8	44.00 9	53.00 7
1966	20.00 34	39.00 41	41.00 34	41.00 29	45.00 24	51.00 21	63.00 22	72.00 21	102.00 18
1967	14.00 25	26.00 27	26.00 16	28.00 9	32.00 8	36.00 7	43.00 11	45.00 10	84.00 15
1968	5.60 5	22.00 21	31.00 24	32.00 16	38.00 19	41.00 15	44.00 15	49.00 12	68.00 12
1969	3.40 1	4.00 1	19.00 6	32.00 17	43.00 22	48.00 19	66.00 25	92.00 28	167.00 35
1970	6.80 10	37.00 36	49.00 42	52.00 40	102.00 59	145.00 57	227.00 56	267.00 53	377.00 55
1971	35.00 47	36.00 35	38.00 30	43.00 31	50.00 32	59.00 27	79.00 32	89.00 26	108.00 21
1972	38.00 48	39.00 42	40.00 33	43.00 32	47.00 28	67.00 34	82.00 33	88.00 25	106.00 20
1973	33.00 45	44.00 45	51.00 46	57.00 47	67.00 47	188.00 60	286.00 60	342.00 59	570.00 58
1974	12.00 21	38.00 37	70.00 57	75.00 57	93.00 56	95.00 45	116.00 43	238.00 52	360.00 53
1975	16.00 29	51.00 52	67.00 56	69.00 55	73.00 49	94.00 44	110.00 42	112.00 37	173.00 38
1976	9.10 17	35.00 34	54.00 49	63.00 51	77.00 52	125.00 52	144.00 50	164.00 46	259.00 48
1977	8.80 16	16.00 13	32.00 26	34.00 20	35.00 14	39.00 14	43.00 12	43.00 8	44.00 3
1978	7.30 12	8.10 4	19.00 7	38.00 25	43.00 23	62.00 31	82.00 34	116.00 39	166.00 33
1979	8.10 15	50.00 51	52.00 47	54.00 44	64.00 43	69.00 35	94.00 37	105.00 33	166.00 34
1980	26.00 40	66.00 58	78.00 59	92.00 58	103.00 60	137.00 55	234.00 57	468.00 60	462.00 56
1981	54.00 58	55.00 55	56.00 50	58.00 48	64.00 44	71.00 36	77.00 30	78.00 22	141.00 29
1982	68.00 60	70.00 59	71.00 58	75.00 56	84.00 53	138.00 56	150.00 51	178.00 48	247.00 46
1983	14.00 26	25.00 25	46.00 38	53.00 42	57.00 40	60.00 28	72.00 26	86.00 24	162.00 31
1984	34.00 46	34.00 33	35.00 29	35.00 21	37.00 17	42.00 16	51.00 18	70.00 20	139.00 28
1985	16.00 30	38.00 38	50.00 44	54.00 43	59.00 41	71.00 37	78.00 31	93.00 29	169.00 36

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1924	14900.00 12	12300.00 11	7850.00 12	4570.00 16	2920.00 21	1930.00 25	1900.00 15	1910.00 5	1660.00 4
1925	16200.00 8	12200.00 12	7330.00 14	3680.00 29	1990.00 41	1190.00 46	1340.00 37	1140.00 39	833.00 44
1926	15700.00 11	11300.00 14	8830.00 6	5480.00 8	4230.00 4	2780.00 7	1870.00 17	1450.00 20	1340.00 13
1927	22500.00 2	18100.00 2	9990.00 3	5590.00 7	4150.00 6	2740.00 8	2790.00 2	2550.00 2	1940.00 1
1928	8980.00 37	7490.00 33	4230.00 45	3030.00 40	2090.00 39	1350.00 44	1400.00 35	1170.00 38	1040.00 30
1929	10400.00 29	7400.00 36	5070.00 33	3010.00 41	1850.00 44	1450.00 39	1340.00 38	1340.00 29	1290.00 19
1931	2970.00 59	2340.00 58	1400.00 59	1100.00 58	808.00 58	545.00 59	406.00 60	347.00 60	301.00 60
1932	9120.00 35	7010.00 40	4860.00 34	3590.00 30	2370.00 31	1860.00 29	1550.00 28	1270.00 32	983.00 34
1933	20400.00 3	17700.00 3	12100.00 2	6810.00 4	4150.00 7	3350.00 2	2480.00 3	1980.00 3	1790.00 3
1934	3770.00 56	3570.00 56	2670.00 56	1510.00 56	1080.00 56	724.00 57	526.00 57	463.00 57	360.00 57
1935	7280.00 46	5930.00 47	4410.00 43	2750.00 45	1520.00 52	1070.00 53	821.00 55	689.00 55	514.00 55
1936	9370.00 34	7220.00 37	4500.00 40	2390.00 49	1500.00 54	1160.00 48	948.00 52	742.00 52	519.00 54
1937	17600.00 6	13700.00 7	8220.00 8	5870.00 6	3930.00 8	2640.00 10	1980.00 11	1820.00 7	1360.00 12
1938	14000.00 16	10700.00 19	5830.00 26	5340.00 9	4190.00 5	2990.00 4	2120.00 7	1770.00 10	1500.00 7
1939	14800.00 13	11200.00 15	5660.00 29	3980.00 23	2670.00 24	1990.00 22	1800.00 19	1430.00 21	1000.00 33
1940	7580.00 44	6680.00 41	4450.00 42	2710.00 46	1610.00 49	1150.00 49	910.00 53	742.00 53	536.00 53
1941	2110.00 60	2010.00 60	1360.00 60	857.00 60	533.00 61	320.00 61	232.00 61	201.00 61	164.00 61
1942	6650.00 48	5680.00 48	3600.00 50	2570.00 47	1710.00 46	1400.00 42	1220.00 42	965.00 48	738.00 48
1943	19300.00 4	15900.00 4	9730.00 4	6920.00 3	3900.00 11	2160.00 18	1880.00 16	1560.00 17	1270.00 20
1944	13100.00 18	11100.00 16	6710.00 17	4180.00 22	2570.00 28	1970.00 23	1560.00 27	1250.00 33	841.00 43
1945	8520.00 39	7160.00 38	4690.00 36	2520.00 48	1920.00 43	1450.00 40	1290.00 41	1300.00 31	966.00 36
1946	5540.00 55	4500.00 55	3230.00 52	2250.00 53	1480.00 55	1070.00 54	1160.00 45	952.00 49	888.00 40
1947	6340.00 50	6110.00 46	4470.00 41	3290.00 36	2410.00 29	2070.00 20	1690.00 22	1360.00 27	1140.00 26
1948	10600.00 27	9410.00 24	6620.00 19	5080.00 11	4580.00 3	2800.00 6	2170.00 5	1840.00 6	1380.00 11
1949	9420.00 33	7090.00 39	4620.00 39	3930.00 24	3220.00 15	2400.00 13	1950.00 14	1690.00 14	1320.00 14
1950	14600.00 15	12800.00 8	8200.00 9	7130.00 2	5170.00 1	3880.00 1	3070.00 1	2650.00 1	1910.00 2

## 03326500 MISSISSINAWA RIVER AT MARION, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1951	9570.00	31	8370.00	30	5320.00	30	3060.00	39	2210.00	35	1820.00	32	1620.00	24	1530.00	19	1450.00	9
1952	10800.00	25	8840.00	29	4680.00	37	3460.00	32	2690.00	23	2140.00	19	1960.00	12	1770.00	11	1410.00	10
1953	6900.00	47	4670.00	54	3100.00	53	2280.00	50	1630.00	48	1180.00	47	1160.00	46	1020.00	45	893.00	39
1954	2060.00	61	1830.00	61	1050.00	61	866.00	59	721.00	59	559.00	58	464.00	58	405.00	58	306.00	59
1955	7470.00	45	6120.00	45	3810.00	49	2780.00	44	1550.00	51	1050.00	55	1140.00	47	1020.00	46	746.00	47
1956	5930.00	52	4920.00	52	2890.00	55	2150.00	54	1700.00	47	1350.00	45	1080.00	48	978.00	47	825.00	45
1957	15900.00	9	11900.00	13	7510.00	13	4760.00	13	3520.00	13	2360.00	14	2230.00	4	1960.00	4	1560.00	5
1958	23400.00	1	18700.00	1	14900.00	1	8870.00	1	4840.00	2	2860.00	5	2080.00	9	1720.00	13	1310.00	18
1959	12700.00	19	9700.00	22	5920.00	25	3340.00	34	3220.00	14	2220.00	15	1800.00	20	1750.00	12	1320.00	15
1960	5600.00	54	4760.00	53	3900.00	48	2280.00	51	1760.00	45	1140.00	50	981.00	50	899.00	50	704.00	50
1961	7660.00	43	6620.00	43	5670.00	28	4430.00	19	2930.00	20	2650.00	9	2090.00	8	1680.00	15	1260.00	21
1962	14700.00	14	12500.00	9	6580.00	20	3880.00	25	2230.00	34	1750.00	33	1520.00	30	1220.00	34	1100.00	28
1963	13600.00	17	10700.00	20	6350.00	21	4270.00	20	2960.00	18	1840.00	30	1320.00	40	1030.00	43	714.00	49
1964	16400.00	7	14200.00	6	8840.00	5	5270.00	10	3740.00	12	3040.00	3	2120.00	6	1660.00	16	1150.00	24
1965	5860.00	53	5150.00	51	4230.00	44	2790.00	43	1990.00	40	1690.00	36	1420.00	33	1120.00	41	782.00	46
1966	3070.00	58	2400.00	57	1470.00	58	827.00	61	580.00	60	466.00	60	426.00	59	389.00	59	355.00	58
1967	11700.00	23	11000.00	17	7920.00	11	4210.00	21	2370.00	32	1500.00	38	1190.00	43	1340.00	28	1170.00	23
1968	9580.00	30	8030.00	31	6220.00	22	3470.00	31	1980.00	42	1640.00	37	1360.00	36	1190.00	37	1030.00	31
1969	8550.00	38	7440.00	35	4770.00	35	3300.00	35	2150.00	37	1440.00	41	1060.00	49	1060.00	42	864.00	42
1970	6560.00	49	5160.00	49	3540.00	51	2280.00	52	1510.00	53	1140.00	51	1160.00	44	1020.00	44	884.00	41
1971	8360.00	41	6130.00	44	4660.00	38	2980.00	42	2110.00	38	1360.00	43	957.00	51	862.00	51	627.00	52
1972	9000.00	36	8960.00	28	6030.00	23	3840.00	28	2810.00	22	1830.00	31	1400.00	34	1210.00	35	1080.00	29
1973	8510.00	40	7460.00	34	4100.00	46	3870.00	27	2590.00	25	2000.00	21	1620.00	25	1370.00	25	1520.00	6
1974	12200.00	20	10700.00	18	7150.00	15	4740.00	14	2940.00	19	2220.00	16	1950.00	13	1810.00	8	1480.00	8
1975	10800.00	26	9140.00	26	5170.00	32	3240.00	37	2160.00	36	1700.00	35	1510.00	31	1420.00	22	1140.00	25
1976	12200.00	21	9390.00	25	5820.00	27	4500.00	17	3070.00	17	1950.00	24	1640.00	23	1370.00	26	965.00	37
1977	3500.00	57	2280.00	59	1970.00	57	1330.00	57	965.00	57	802.00	56	679.00	56	537.00	56	398.00	56
1978	10400.00	28	9020.00	27	8090.00	10	5930.00	5	3920.00	9	2430.00	12	1840.00	18	1540.00	18	1310.00	16
1979	11800.00	22	9680.00	23	5950.00	24	4470.00	18	2590.00	26	1880.00	27	1330.00	39	1130.00	40	1020.00	32
1980	15700.00	10	12300.00	10	6670.00	18	3400.00	33	2370.00	33	1730.00	34	1590.00	26	1410.00	23	1130.00	27
1981	9460.00	32	7610.00	32	4020.00	47	3140.00	38	2380.00	30	1870.00	28	1490.00	32	1210.00	36	940.00	38
1982	11400.00	24	9860.00	21	6820.00	16	4720.00	15	3910.00	10	2560.00	11	2010.00	10	1770.00	9	1310.00	17
1983	6140.00	51	5150.00	50	2970.00	54	1870.00	55	1580.00	50	1120.00	52	836.00	54	738.00	54	702.00	51
1984	7760.00	42	6630.00	42	5190.00	31	3880.00	26	2590.00	27	1920.00	26	1710.00	21	1410.00	24	1190.00	22
1985	18500.00	5	15100.00	5	8400.00	7	4820.00	12	3100.00	16	2160.00	17	1540.00	29	1330.00	30	982.00	35

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1925	737.00	44
1926	542.00	23
1927	1320.00	59
1928	977.00	54
1929	486.00	18
1930	1360.00	60
1932	612.00	33
1933	609.00	32
1934	666.00	38
1935	147.00	1
1936	409.00	13
1937	629.00	36
1938	711.00	41
1939	818.00	47
1940	301.00	6
1941	211.00	3
1942	300.00	5
1943	493.00	20
1944	625.00	34
1945	444.00	16
1946	723.00	42
1947	392.00	12
1948	873.00	49
1949	959.00	52
1950	961.00	53

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1924	1030.00	5
1925	485.00	45
1926	1110.00	2
1927	1170.00	1
1928	680.00	27
1929	684.00	26
1931	204.00	59
1932	569.00	36
1933	1030.00	6
1934	226.00	57
1935	290.00	53
1936	282.00	55
1937	815.00	12
1938	888.00	8
1939	553.00	38
1940	289.00	54
1941	106.00	61
1942	421.00	48
1943	747.00	18
1944	454.00	46
1945	514.00	42
1946	567.00	37
1947	658.00	28
1948	769.00	15
1949	748.00	17

## 03326500 MISSISSINAWA RIVER AT MARION, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	874.00	50
1952	792.00	46
1953	502.00	21
1954	294.00	4
1955	439.00	15
1956	544.00	24
1957	382.00	11
1958	1020.00	56
1959	1110.00	57
1960	559.00	26
1961	410.00	14
1962	831.00	48
1963	568.00	28
1964	326.00	7
1965	600.00	31
1966	352.00	8
1967	550.00	25
1968	562.00	27
1969	523.00	22
1970	584.00	30
1971	490.00	19
1972	381.00	10
1973	1160.00	58
1974	909.00	51
1975	733.00	43
1976	692.00	40
1977	189.00	2
1978	625.00	35
1979	582.00	29
1980	753.00	45
1981	461.00	17
1982	983.00	55
1983	361.00	9
1984	680.00	39
1985	643.00	37

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	1090.00	3
1951	826.00	11
1952	771.00	14
1953	514.00	43
1954	176.00	60
1955	499.00	44
1956	601.00	32
1957	838.00	9
1958	968.00	7
1959	736.00	20
1960	453.00	47
1961	685.00	25
1962	704.00	22
1963	399.00	51
1964	599.00	33
1965	420.00	49
1966	224.00	58
1967	626.00	30
1968	616.00	31
1969	550.00	39
1970	570.00	34
1971	366.00	52
1972	739.00	19
1973	1030.00	4
1974	832.00	10
1975	694.00	24
1976	549.00	40
1977	234.00	56
1978	764.00	16
1979	640.00	29
1980	801.00	13
1981	530.00	41
1982	728.00	21
1983	405.00	50
1984	700.00	23
1985	569.00	35

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1924	316.00	310.00	2416.0	1314.0	917.00	2818.0	676.00	604.00	2560.0	180.00	144.00	134.00
1925	47.70	57.00	1917.0	210.00	887.00	1462.0	403.00	133.00	114.00	255.00	55.50	284.00
1926	231.00	1927.0	482.00	487.00	1247.0	968.00	2015.0	318.00	195.00	52.10	1294.0	4226.0
1927	1072.0	492.00	317.00	1367.0	1649.0	2920.0	2453.0	2468.0	867.00	125.00	91.50	203.00
1928	224.00	535.00	1713.0	609.00	1535.0	945.00	885.00	202.00	1174.0	316.00	50.50	24.80
1929	22.80	28.00	53.30	1490.0	812.00	808.00	1062.0	1813.0	657.00	1232.0	123.00	88.30
1930	186.00	961.00	2003.0	5129.0	1892.0	1181.0	*	*	*	*	*	*
1931	47.90	52.00	68.50	56.20	120.00	439.00	606.00	134.00	130.00	310.00	106.00	382.00
1932	306.00	385.00	1286.0	2310.0	818.00	559.00	432.00	200.00	252.00	125.00	36.30	104.00
1933	159.00	504.00	1743.0	1087.0	397.00	2210.0	1288.0	3776.0	128.00	66.00	123.00	722.00
1934	213.00	92.20	240.00	296.00	93.80	886.00	534.00	87.60	69.30	61.70	63.50	59.80
1935	51.90	51.40	42.10	201.00	107.00	434.00	511.00	1453.0	183.00	305.00	72.60	42.90
1936	41.60	65.60	77.20	131.00	1167.0	879.00	443.00	452.00	65.00	32.60	31.70	43.40
1937	108.00	559.00	248.00	3797.0	1265.0	515.00	1503.0	460.00	520.00	343.00	340.00	154.00
1938	188.00	111.00	699.00	272.00	1463.0	2538.0	2349.0	334.00	1630.0	564.00	401.00	192.00
1939	61.40	145.00	145.00	432.00	1485.0	2173.0	1606.0	184.00	218.00	133.00	103.00	35.20
1940	59.20	45.90	47.60	139.00	395.00	671.00	1603.0	159.00	269.00	57.00	25.40	24.10
1941	32.10	46.60	85.20	71.90	125.00	65.30	123.00	40.50	533.00	105.00	32.60	28.50
1942	47.00	65.20	80.80	69.60	1131.0	1407.0	1104.0	239.00	304.00	137.00	390.00	143.00
1943	50.80	327.00	652.00	605.00	683.00	1290.0	397.00	3739.0	381.00	462.00	196.00	123.00
1944	50.00	164.00	65.40	55.10	494.00	1318.0	2493.0	583.00	139.00	44.00	46.90	27.70
1945	32.00	49.00	39.70	36.10	403.00	1462.0	1367.0	888.00	1366.0	253.00	152.00	143.00
1946	519.00	270.00	733.00	872.00	836.00	1295.0	190.00	958.00	686.00	319.00	78.30	36.30
1947	40.90	62.50	235.00	1027.0	453.00	606.00	1798.0	1675.0	1262.0	193.00	434.00	106.00
1948	138.00	148.00	223.00	1213.0	921.00	2362.0	2789.0	637.00	362.00	324.00	80.20	51.60
1949	52.80	596.00	1238.0	3133.0	1400.0	886.00	649.00	343.00	297.00	269.00	78.10	47.50
1950	238.00	74.90	460.00	4998.0	2662.0	1493.0	1307.0	414.00	468.00	390.00	126.00	581.00

## WABASH RIVER BASIN

03326500 MISSISSINIEWA RIVER AT MARION, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1951	293.00	1011.0	1527.0	1301.0	1772.0	1377.0	1407.0	812.00	217.00	150.00	63.40	49.00
1952	70.00	182.00	1086.0	2192.0	1383.0	1890.0	1314.0	590.00	163.00	64.90	77.70	245.00
1953	63.90	165.00	525.00	776.00	623.00	1428.0	699.00	1282.0	226.00	212.00	104.00	39.60
1954	38.20	46.60	53.80	140.00	246.00	426.00	631.00	184.00	224.00	51.80	50.60	29.40
1955	280.00	176.00	449.00	1204.0	699.00	1295.0	615.00	144.00	205.00	695.00	147.00	64.10
1956	551.00	1403.0	268.00	131.00	1575.0	798.00	780.00	623.00	845.00	203.00	77.30	49.10
1957	34.80	53.20	163.00	601.00	851.00	361.00	3506.0	1182.0	1891.0	1181.0	94.90	212.00
1958	323.00	424.00	2254.0	390.00	323.00	487.00	480.00	575.00	4765.0	829.00	614.00	147.00
1959	102.00	649.00	264.00	1666.0	2202.0	1129.0	1783.0	767.00	168.00	88.80	80.50	61.90
1960	135.00	264.00	529.00	932.00	1300.0	647.00	383.00	398.00	244.00	471.00	103.00	54.60
1961	48.20	58.00	54.00	54.20	383.00	2637.0	2567.0	724.00	454.00	200.00	685.00	348.00
1962	100.00	267.00	175.00	1985.0	887.00	1598.0	250.00	377.00	337.00	2159.0	178.00	95.40
1963	106.00	133.00	75.70	95.20	118.00	2803.0	737.00	319.00	161.00	113.00	49.60	31.30
1964	39.70	46.80	36.90	62.50	52.50	2229.0	3699.0	358.00	283.00	306.00	54.50	41.90
1965	32.80	48.40	58.90	193.00	839.00	1361.0	1980.0	267.00	117.00	75.90	46.30	83.80
1966	238.00	83.00	95.40	450.00	493.00	341.00	223.00	495.00	138.00	54.90	32.50	52.10
1967	45.30	277.00	2215.0	463.00	712.00	1859.0	672.00	953.00	121.00	71.60	46.50	40.50
1968	52.60	80.50	1920.0	792.00	1325.0	679.00	653.00	805.00	705.00	160.00	176.00	57.80
1969	43.70	204.00	702.00	1563.0	879.00	343.00	1011.0	614.00	386.00	167.00	170.00	546.00
1970	539.00	1024.0	371.00	615.00	839.00	771.00	1457.0	530.00	340.00	148.00	190.00	57.50
1971	99.60	120.00	166.00	126.00	1893.0	895.00	169.00	548.00	231.00	93.10	48.70	130.00
1972	106.00	67.90	1233.0	816.00	208.00	876.00	2776.0	512.00	512.00	452.00	116.00	1214.0
1973	636.00	2495.0	1471.0	843.00	623.00	2295.0	1392.0	407.00	1243.0	294.00	574.00	97.20
1974	94.20	658.00	1323.0	2517.0	1094.0	1229.0	1332.0	886.00	430.00	148.00	112.00	159.00
1975	77.00	141.00	1029.0	1376.0	2082.0	1124.0	838.00	383.00	878.00	123.00	254.00	136.00
1976	157.00	171.00	913.00	947.00	2538.0	1062.0	189.00	106.00	291.00	202.00	54.50	40.70
1977	51.30	48.70	43.80	37.10	332.00	884.00	503.00	382.00	82.90	54.90	236.00	161.00
1978	331.00	180.00	1974.0	273.00	132.00	3097.0	1568.0	717.00	184.00	340.00	175.00	102.00
1979	69.00	130.00	362.00	584.00	852.00	1917.0	1142.0	233.00	382.00	904.00	949.00	157.00
1980	128.00	1073.0	977.00	412.00	536.00	2122.0	948.00	318.00	1966.0	567.00	472.00	103.00
1981	70.00	71.80	104.00	93.50	645.00	235.00	727.00	1667.0	1961.0	389.00	191.00	252.00
1982	158.00	170.00	387.00	1115.0	1641.0	3181.0	883.00	400.00	507.00	149.00	128.00	61.80
1983	58.90	167.00	968.00	279.00	478.00	275.00	1199.0	986.00	197.00	164.00	53.60	37.50
1984	109.00	582.00	1324.0	146.00	1287.0	2096.0	1679.0	510.00	214.00	338.00	83.40	66.30
1985	84.40	251.00	508.00	607.00	2218.0	1298.0	1089.0	272.00	227.00	183.00	141.00	93.80

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

49.50

65.50

92.80

145.00

441.00

677.00

## FIFTIETH PERCENTILE

96.90

166.00

418.00

603.00

845.00

1205.00

## SEVENTY FIFTH PERCENTILE

216.00

441.00

1234.00

1235.00

1387.00

1897.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

570.00

295.00

190.00

109.00

55.00

45.40

## FIFTIETH PERCENTILE

1011.00

495.00

297.00

193.00

104.00

93.80

## SEVENTY FIFTH PERCENTILE

1586.00

809.00

672.00

339.00

184.00

158.00

## 03327000 MISSISSINewa RIVER AT PEORIA, IN

LOCATION.--Lat 40°43'24", long 85°57'27", in SW¼SW¼ sec.3, T.26 N., R.5 E., Miami County, Hydrologic Unit 05120103, on right bank at Peoria, 0.6 mi downstream from Mississinewa Lake, 6.5 mi southeast of Peru, and 6.7 mi upstream from mouth.

DRAINAGE AREA.--808 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1952 to September 1985.

GAGE.--No gage at present time. Datum of gage was 660.00 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1962, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph. Prior to Oct. 7, 1954, nonrecording gage and crest-stage gage on highway bridge 2,500 ft upstream, and Oct. 7, 1954, to Sept. 30, 1962, water-stage recorder on right bank at site 2,500 ft upstream at same datum.

REMARKS.--Flow regulated by Mississinewa Lake. Daily discharge computed from relation between discharge, head, and gate openings for Mississinewa Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--33 years, 713 ft<sup>3</sup>/s, 11.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,000 ft<sup>3</sup>/s June 11, 1958, gage height, 19.26 ft, site then in use; minimum daily, .00 ft<sup>3</sup>/s Sept. 11-30, 1985.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1953					5	23	30	33	29	15	7	23	23	24	22	20	19	15	11	16	12	8	9	7	6	3	2	2	1						
1954			3	31	39	55	61	22	15	22	15	23	19	11	12	4	10	2	4	5	6	3	3												
1955		1	3		1	5	19	11	27	51	44	30	15	24	14	19	25	10	10	8	14	11	4	5	5	4	1	2	2						
1956					13	9	7	8	17	30	37	42	17	31	17	15	19	10	17	19	10	14	4	10	9	3	6	2							
1957			8	11	16	33	20		9	30	22	21	28	30	18	13	12	10	7	5	11	6	7	16	4	8	3	8	3	1	3	1	1		
1958								2	13	21	26	23	36	41	30	33	22	27	16	9	9	10	11	4	11	2	6	1	1	3	2	2	2	1	1
1959						11	13	22	46	28	20	30	11	18	18	17	12	19	16	19	11	14	8	9	8	2	2	4	3	1	2	1			
1960		1		1	1	5	22	13	33	16	32	35	28	28	34	25	17	14	17	10	8	3	5	2	2	7	4	2	1						
1961						2	54	69	20	7	20	29	17	25	14	16	10	7	5	7	10	8	8	6	9	5	9	2	5	1					
1962						1	5	9	30	24	28	54	23	36	25	23	15	21	11	13	3	13	5	4	3	6	4	2	3			4			
1963			1	8	20	11	30	47	77	27	20	19	19	14	10	9	5	7	7	5	6	4	2	8	2	2	2				1	1	1		
1964				12	27	73	52	31	20	23	16	12	5	11	6	9	8	9	4	5	8	1	8		6	6	2	3	5	1		1	2		
1965					2	55	63	37	41	18	13	21	6	17	8	8	7	10	13	10	6	5	2	3	4	7	5	4							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4748	100.00	12	240.0	247	2230	46.97	24	2900.0	69	259	5.45
1	24.0	2	4748	100.00	13	290.0	310	1983	41.76	25	3500.0	55	190	4.00
2	30.0	7	4746	99.96	14	360.0	228	1673	35.24	26	4300.0	46	135	2.84
3	36.0	60	4739	99.81	15	440.0	211	1445	30.43	27	5300.0	28	89	1.87
4	45.0	119	4679	98.55	16	540.0	181	1234	25.99	28	6600.0	25	61	1.28
5	55.0	266	4560	96.04	17	670.0	161	1053	22.18	29	8100.0	9	36	0.76
6	68.0	389	4294	90.44	18	820.0	138	892	18.79	30	10000.0	7	27	0.57
7	84.0	324	3905	82.25	19	1000.0	131	754	15.88	31	12000.0	11	20	0.42
8	100.0	377	3581	75.42	20	1200.0	114	623	13.12	32	15000.0	7	9	0.19
9	130.0	312	3204	67.48	21	1500.0	100	509	10.72	33	19000.0	1	2	0.04
10	160.0	300	2892	60.91	22	1900.0	76	409	8.61	34	23000.0	1	1	0.02
11	190.0	362	2592	54.59	23	2300.0	74	333	7.01					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 57.4  
P90 = 68.9  
P75 = 102.0  
P70 = 120.0  
P50 = 220.0  
P25 = 574.0  
P10 = 1640.0

## 03327000 MISSISSINIEWA RIVER AT PEORIA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1954	42.00 6	43.00 5	43.00 3	44.00 3	46.00 3	54.00 3	59.00 3	62.00 2	78.00 2
1955	26.00 2	31.00 1	35.00 1	38.00 1	39.00 1	51.00 2	56.00 2	75.00 4	145.00 7
1956	32.00 3	46.00 6	66.00 7	69.00 7	82.00 7	147.00 9	333.00 12	358.00 11	385.00 10
1957	40.00 5	41.00 3	44.00 4	46.00 4	48.00 4	55.00 4	64.00 4	75.00 5	107.00 5
1958	52.00 8	66.00 8	80.00 10	84.00 10	116.00 10	158.00 11	205.00 10	298.00 10	737.00 12
1959	117.00 12	119.00 12	122.00 12	125.00 12	129.00 12	153.00 10	195.00 9	359.00 12	453.00 11
1960	24.00 1	41.00 4	58.00 6	67.00 6	92.00 8	104.00 7	118.00 7	145.00 8	197.00 8
1961	53.00 9	68.00 9	70.00 8	71.00 8	73.00 6	79.00 6	84.00 6	84.00 6	93.00 4
1962	72.00 11	91.00 11	94.00 11	118.00 11	127.00 11	173.00 12	207.00 11	241.00 9	340.00 9
1963	54.00 10	72.00 10	78.00 9	80.00 9	102.00 9	111.00 8	123.00 8	120.00 7	136.00 6
1964	35.00 4	40.00 2	43.00 2	43.00 2	44.00 2	48.00 1	53.00 1	56.00 1	67.00 1
1965	50.00 7	51.00 7	52.00 5	55.00 5	59.00 5	60.00 5	64.00 5	68.00 3	80.00 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1953	7350.00 8	6010.00 10	3630.00 11	2720.00 10	2130.00 9	1520.00 10	1350.00 9	1210.00 8	1070.00 7
1954	2100.00 13	1780.00 13	1100.00 13	1070.00 13	846.00 13	625.00 13	508.00 13	469.00 13	358.00 13
1955	7350.00 9	6810.00 8	4210.00 10	3100.00 8	1730.00 12	1190.00 12	1290.00 10	1160.00 10	855.00 11
1956	5850.00 12	5150.00 12	3180.00 12	2330.00 12	2010.00 11	1580.00 9	1240.00 11	1120.00 11	961.00 8
1957	17800.00 2	13600.00 3	8450.00 3	5410.00 3	4080.00 2	2730.00 4	2570.00 1	2250.00 1	1800.00 1
1958	26400.00 1	22700.00 1	17800.00 1	10600.00 1	5820.00 1	3500.00 1	2570.00 2	2100.00 3	1610.00 3
1959	16600.00 3	12800.00 5	7620.00 4	4320.00 6	3890.00 4	2680.00 5	2210.00 5	2150.00 2	1620.00 2
1960	6900.00 10	5630.00 11	4450.00 9	2620.00 11	2030.00 10	1360.00 11	1180.00 12	1110.00 12	891.00 10
1961	8540.00 7	7430.00 7	6590.00 6	4990.00 4	3300.00 5	2930.00 3	2310.00 3	1860.00 4	1400.00 4
1962	14700.00 6	11500.00 6	6290.00 7	3940.00 7	2400.00 7	2000.00 7	1740.00 6	1400.00 6	1270.00 5
1963	15600.00 5	12900.00 4	7480.00 5	4770.00 5	3260.00 6	2040.00 6	1470.00 8	1170.00 9	817.00 12
1964	16500.00 4	15300.00 2	9170.00 2	5510.00 2	3920.00 3	3200.00 2	2260.00 4	1770.00 5	1270.00 6
1965	6580.00 11	6110.00 9	4520.00 8	3050.00 9	2240.00 8	1910.00 8	1650.00 7	1330.00 7	942.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1954	319.00 1
1955	510.00 5
1956	656.00 6
1957	443.00 3
1958	1210.00 11
1959	1350.00 12
1960	712.00 9
1961	494.00 4
1962	951.00 10
1963	656.00 7
1964	374.00 2
1965	695.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1953	614.00 8
1954	209.00 13
1955	584.00 9
1956	699.00 6
1957	981.00 2
1958	1180.00 1
1959	913.00 3
1960	584.00 10
1961	769.00 5
1962	821.00 4
1963	462.00 12
1964	667.00 7
1965	514.00 11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1953	85.40	202.00	612.00	960.00	843.00	1871.0	829.00	1254.0	281.00	224.00	137.00	60.30
1954	50.20	68.90	71.20	149.00	213.00	485.00	755.00	200.00	356.00	67.70	64.40	42.30
1955	330.00	189.00	503.00	1363.0	759.00	1496.0	724.00	215.00	262.00	856.00	208.00	86.50
1956	692.00	1572.0	322.00	165.00	1742.0	1102.0	818.00	669.00	985.00	227.00	119.00	66.20
1957	52.80	80.80	189.00	688.00	1001.0	474.00	4046.0	1371.0	1941.0	1558.0	165.00	289.00
1958	417.00	563.00	2582.0	506.00	383.00	648.00	593.00	644.00	5734.0	1095.0	825.00	200.00
1959	136.00	786.00	309.00	1857.0	2822.0	1370.0	2239.0	973.00	265.00	152.00	117.00	101.00
1960	222.00	368.00	700.00	1111.0	1560.0	795.00	581.00	539.00	358.00	566.00	154.00	82.30
1961	77.80	93.10	87.30	89.50	385.00	2878.0	2899.0	845.00	539.00	267.00	750.00	306.00
1962	142.00	355.00	219.00	2292.0	950.00	1851.0	329.00	536.00	513.00	2239.0	236.00	144.00
1963	126.00	149.00	106.00	122.00	175.00	3101.0	822.00	392.00	219.00	156.00	77.30	49.90
1964	46.40	67.00	61.80	111.00	90.90	2362.0	3869.0	453.00	328.00	493.00	77.20	60.70
1965	60.30	74.60	86.80	302.00	1071.0	1546.0	2236.0	376.00	192.00	122.00	67.90	109.00

## 03327000 MISSISSINAWA RIVER AT PEORIA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
56.50	77.70	87.00	136.00	298.00	722.00
FIFTIETH PERCENTILE					
126.00	189.00	219.00	506.00	843.00	1496.00
SEVENTY FIFTH PERCENTILE					
276.00	466.00	558.00	1237.00	1316.00	2117.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
659.00	384.00	264.00	154.00	77.20	60.50
FIFTIETH PERCENTILE					
822.00	539.00	356.00	267.00	137.00	86.50
SEVENTY FIFTH PERCENTILE					
2569.00	909.00	762.00	976.00	222.00	172.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969					1	1		2	3	16	1	6	3	14	12	20	24	39	30	38	26	24	21	14	13	19	4	9	5	1	2	4	7	4	2
1970	1	1						3	7	11	5	1	6	15	25	31	18	28	29	30	30	19	17	23	10	15	7	5	10	4	6	6	2		
1971								79	14	4	8	12	14	28	16	11	19	18	21	35	38	15	6	5	2	2	3	1	6	2		4	2		
1972								2	5	1	6	2	7	19	11	28	21	28	20	78	22	17	14	12	13	17	10	4	6	12	5	6			
1973													2	5	40	23	8	6	9	27	31	20	34	25	8	26	13	20	7	15	21	20	5		
1974								7		1	3	37	14	29	24	18	19	30	42	23	18	16	6	8	9	9	4	9	8	9	18	4			
1975								8	5	5	6	2	1	33	15	14	11	20	39	19	63	27	26	12	11	12	11	9	9	1	6				
1976								42	17	3	27	25	10	7	14	15	12	27	21	49	22	15	2	10	8	8	8	3	14	4	3				
1977								24	68	96	6	12	26	9	13	4	4	18	13	35	17	3	7	1	5	3	1								
1978											1	5	33	44	29	34	16	15	22	42	6	12	21	22	3	13	9	9	9	11	6	3			
1979												5	28	22	22	30	28	18	25	31	33	25	19	24	16	12	10	5	3	9					
1980								24		1	3		5	8	4	6	18	19	45	37	32	22	10	7	20	20	33	16	18	18					
1981								9	10	15	3	5	5	25	6	19	18	57	40	18	30	22	11	19	8	9	5	5	4	22					
1982											4	1	14	15	9	17	21	41	24	12	15	16	46	23	14	20	16	22	6	2	3	2	22		
1983								8	9	1	7	34	10	21	12	20	14	7	33	30	16	13	37	22	10	12	21	9	6	3	10				
1984								2	1	6	4	4	21	12	22	30	22	16	24	14	25	19	18	28	16	21	12	15	6	7	10	9	2		
1985	20	1	1					1	4	1	1	10	3	7	10	33	31	16	41	18	18	17	24	26	16	25	5	3	3	1	3	5	13	8	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	21	6209	100.00	12	66.0	221	5648	90.96	24	880.0	218	1383	22.27
1	6.1	1	6188	99.66	13	82.0	194	5427	87.41	25	1100.0	253	1165	18.76
2	7.6	1	6187	99.65	14	100.0	339	5233	84.28	26	1400.0	160	912	14.69
3	9.4	0	6186	99.63	15	130.0	364	4894	78.82	27	1700.0	190	752	12.11
4	12.0	2	6186	99.63	16	160.0	293	4530	72.96	28	2100.0	109	562	9.05
5	14.0	1	6184	99.60	17	190.0	404	4237	68.24	29	2600.0	112	453	7.30
6	18.0	18	6183	99.58	18	240.0	376	3833	61.73	30	3200.0	144	341	5.49
7	22.0	54	6165	99.29	19	300.0	395	3457	55.68	31	4000.0	93	197	3.17
8	28.0	109	6111	98.42	20	370.0	492	3062	49.32	32	5000.0	89	104	1.67
9	34.0	121	6002	96.67	21	460.0	458	2570	41.39	33	6100.0	13	15	0.24
10	43.0	112	5881	94.72	22	570.0	437	2112	34.02	34	7600.0	2	2	0.03
11	53.0	121	5769	92.91	23	710.0	292	1675	26.98					

## 03327000 MISSISSINIEWA RIVER AT PEORIA, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 41.7  
 P90 = 70.3  
 P75 = 150.0  
 P70 = 179.0  
 P50 = 363.0  
 P25 = 782.0  
 P10 = 1980.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	6.10 1	26.00 5	38.00 10	74.00 11	145.00 14	178.00 9	275.00 10	291.00 10	540.00 12
1971	25.00 6	28.00 6	30.00 5	37.00 6	71.00 7	168.00 8	181.00 8	234.00 8	285.00 4
1972	28.00 8	28.00 7	29.00 4	30.00 4	31.00 2	31.00 1	46.00 1	63.00 1	118.00 1
1973	32.00 9	33.00 9	53.00 13	77.00 12	101.00 10	225.00 13	307.00 13	365.00 12	718.00 16
1974	35.00 12	35.00 10	35.00 7	85.00 14	222.00 16	360.00 16	404.00 14	468.00 14	582.00 13
1975	64.00 14	79.00 14	80.00 14	84.00 13	86.00 8	123.00 6	164.00 6	215.00 7	333.00 8
1976	34.00 10	38.00 12	40.00 11	44.00 7	133.00 13	217.00 12	297.00 12	355.00 11	471.00 11
1977	35.00 11	35.00 11	35.00 8	35.00 5	35.00 3	46.00 2	64.00 2	151.00 4	137.00 2
1978	43.00 13	43.00 13	43.00 12	44.00 8	69.00 6	80.00 4	96.00 4	133.00 3	190.00 3
1979	68.00 15	87.00 15	100.00 15	106.00 15	127.00 12	212.00 10	203.00 9	269.00 9	395.00 10
1980	89.00 16	89.00 16	117.00 16	182.00 16	210.00 15	334.00 14	529.00 16	611.00 16	604.00 15
1981	20.00 3	20.00 2	22.00 2	22.00 1	41.00 4	217.00 11	278.00 11	386.00 13	382.00 9
1982	21.00 4	21.00 3	22.00 3	23.00 3	28.00 1	360.00 15	411.00 15	476.00 15	593.00 14
1983	19.00 2	19.00 1	20.00 1	22.00 2	102.00 11	141.00 7	167.00 7	210.00 6	327.00 7
1984	24.00 5	26.00 4	33.00 6	47.00 9	61.00 5	63.00 3	79.00 3	123.00 2	288.00 5
1985	26.00 7	32.00 8	37.00 9	68.00 10	86.00 9	92.00 5	103.00 5	169.00 5	324.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	7890.00 1	7660.00 1	6330.00 1	4730.00 4	2820.00 7	1860.00 9	1400.00 10	1150.00 11	932.00 13
1970	5360.00 10	4850.00 12	3520.00 14	2320.00 15	1450.00 15	1160.00 15	933.00 15	958.00 14	884.00 14
1971	6630.00 2	6270.00 4	5510.00 5	3680.00 9	2500.00 10	1550.00 14	1100.00 14	877.00 15	728.00 15
1972	6080.00 6	5970.00 6	5460.00 6	3260.00 14	2400.00 12	1580.00 13	1280.00 12	1090.00 13	1060.00 11
1973	5840.00 8	5230.00 8	5020.00 9	4500.00 5	3170.00 4	2400.00 4	2030.00 3	1790.00 3	1640.00 3
1974	6600.00 3	6390.00 3	6090.00 2	5230.00 2	3660.00 3	2820.00 2	2200.00 2	1950.00 2	1660.00 1
1975	6010.00 7	5960.00 7	5450.00 7	3680.00 10	2480.00 11	1930.00 8	1760.00 5	1590.00 4	1230.00 7
1976	5060.00 12	5050.00 10	4730.00 10	3390.00 12	3140.00 5	2030.00 6	1620.00 8	1450.00 7	1160.00 9
1977	2730.00 17	2370.00 17	1680.00 17	1140.00 17	926.00 17	611.00 17	527.00 17	412.00 17	396.00 17
1978	6550.00 4	6420.00 2	5600.00 4	4030.00 6	3030.00 6	2490.00 3	1910.00 4	1550.00 5	1400.00 4
1979	4710.00 13	4650.00 13	4560.00 11	3950.00 7	2630.00 8	1770.00 12	1280.00 13	1120.00 12	1070.00 10
1980	3580.00 15	3540.00 15	3500.00 15	3340.00 13	2300.00 13	1790.00 11	1320.00 11	1390.00 9	1250.00 6
1981	3990.00 14	3970.00 14	3800.00 13	3590.00 11	2170.00 14	1810.00 10	1490.00 9	1200.00 10	933.00 12
1982	6080.00 5	6060.00 5	5980.00 3	5910.00 1	5060.00 1	3230.00 1	2520.00 1	2200.00 1	1650.00 2
1983	3040.00 16	3000.00 16	2820.00 16	2050.00 16	1320.00 16	1010.00 16	869.00 16	740.00 16	725.00 16
1984	5370.00 9	5030.00 11	4190.00 12	3720.00 8	2510.00 9	1960.00 7	1650.00 7	1400.00 8	1280.00 5
1985	5130.00 11	5130.00 9	5080.00 8	4940.00 3	3680.00 2	2270.00 5	1680.00 6	1470.00 6	1190.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	681.00 6
1971	591.00 4
1972	419.00 2
1973	1130.00 15
1974	1200.00 16
1975	900.00 12
1976	810.00 9
1977	259.00 1
1978	540.00 3
1979	932.00 13
1980	890.00 11
1981	652.00 5
1982	993.00 14
1983	716.00 8
1984	711.00 7
1985	841.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	726.00 10
1970	637.00 14
1971	424.00 16
1972	801.00 7
1973	1200.00 1
1974	987.00 3
1975	847.00 6
1976	652.00 13
1977	291.00 17
1978	921.00 5
1979	774.00 9
1980	977.00 4
1981	663.00 12
1982	993.00 2
1983	487.00 15
1984	796.00 8
1985	691.00 11



## 03327000 MISSISSINewa RIVER AT PEORIA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	543.00	475.00	595.00	1544.0	1981.0	433.00	416.00	623.00	445.00	233.00	177.00	1368.0
1970	953.00	1296.0	428.00	344.00	1265.0	709.00	390.00	1301.0	324.00	204.00	205.00	278.00
1971	455.00	481.00	204.00	194.00	1750.0	1394.0	72.60	31.40	61.20	121.00	65.20	361.00
1972	461.00	406.00	1334.0	894.00	254.00	934.00	2010.0	844.00	531.00	465.00	142.00	1340.0
1973	1293.0	3014.0	1736.0	1061.0	710.00	424.00	2149.0	1320.0	1334.0	340.00	782.00	243.00
1974	510.00	494.00	1129.0	1918.0	3696.0	759.00	1587.0	1046.0	411.00	146.00	120.00	256.00
1975	408.00	680.00	1175.0	1329.0	1386.0	2280.0	377.00	575.00	1068.0	151.00	324.00	433.00
1976	528.00	527.00	958.00	922.00	1336.0	2533.0	302.00	45.90	196.00	271.00	90.90	114.00
1977	433.00	639.00	76.70	57.00	57.50	817.00	370.00	358.00	68.80	90.70	248.00	261.00
1978	461.00	998.00	976.00	1683.0	160.00	750.00	2914.0	1844.0	346.00	408.00	279.00	181.00
1979	429.00	736.00	568.00	635.00	201.00	2586.0	883.00	300.00	573.00	741.00	1336.0	222.00
1980	451.00	1011.0	1592.0	905.00	807.00	1822.0	1132.0	275.00	1696.0	1048.0	693.00	289.00
1981	428.00	740.00	250.00	200.00	770.00	358.00	28.10	1637.0	681.00	2052.0	296.00	509.00
1982	516.00	698.00	542.00	1115.0	1153.0	2641.0	3722.0	407.00	656.00	191.00	155.00	182.00
1983	391.00	645.00	898.00	837.00	446.00	106.00	697.00	1265.0	231.00	176.00	69.60	68.70
1984	448.00	995.00	1623.0	189.00	1553.0	1243.0	2133.0	639.00	293.00	308.00	91.90	98.20
1985	538.00	687.00	495.00	907.00	484.00	3376.0	769.00	268.00	250.00	194.00	207.00	69.20

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
431.00	511.00	462.00	272.00	350.00	571.00
FIFTIETH PERCENTILE					
461.00	687.00	898.00	905.00	807.00	934.00
SEVENTY FIFTH PERCENTILE					
533.00	997.00	1255.00	1222.00	1470.00	2407.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
374.00	288.00	241.00	164.00	106.00	148.00
FIFTIETH PERCENTILE					
769.00	623.00	411.00	233.00	205.00	256.00
SEVENTY FIFTH PERCENTILE					
2072.00	1283.00	669.00	437.00	310.00	397.00

## 03327500 WABASH RIVER AT PERU. IN

LOCATION.--Lat 40°44'35", long 86°05'45", in SE¼NE¼ sec.32, T.27 N., R.4 E., Miami County, Hydrologic Unit 05120101, on right bank at upstream side of bridge on U.S. Highway 31, 0.5 mi southwest of Peru, 4.4 mi downstream from Mississinewa River, and at mile 370.5.

DRAINAGE AREA.--2,686 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1943 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 617.94 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 20, 1961, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.

**AVERAGE DISCHARGE.**--42 years, 2,366 ft<sup>3</sup>/s, 11.96 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,000 ft<sup>3</sup>/s May 18, 1943, gage height, 24.46 ft, from floodmark; minimum daily, 72 ft<sup>3</sup>/s Oct. 5, 1946.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 28.1 ft, discharge, 115,000 ft<sup>3</sup>/s, from rating curve extended above 63,000 ft<sup>3</sup>/s.

\*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
1944			4	13	28	11	50	78	33	14	12	10	NUMBER OF DAYS IN CLASS																										
1945		9	19	14	51	29	12	16	16	17	12	18	4	3	2	6	10	11	11	11	8	4	11	7	4	7	4	7	2	6	2	3							
1946			6	15	11	5	19	10	19	20	32	19	36	25	15	18	16	10	12	9	9	9	10	12	4	10	6	3	5										
1947	3	9	10	8	16	18	32	26	33	19	7	21	13	7	16	13	5	15	13	13	14	9	15	7	6	2	4	4	5	2									
1948		6	17	17	12	10	20	41	42	25	15	16	10	21	11	13	10	5	6	12	5	9	6	6	9	4	9	4	5										
1949			9	13	12	28	8	20	14	21	22	15	14	30	20	16	16	17	13	14	10	10	10	8	6	11	3	4	4	5	2								
1950						1	17	36	23	16	24	22	15	18	13	13	9	18	13	17	13	17	17	9	12	13	10	5	4	6	8	7	3	3					
1951				4	22	14	11	19	13	13	14	19	26	16	21	19	19	14	17	10	16	12	11	11	8	14	5	7	5	3	2								
1952				25	23	23	23	14	11	19	15	15	14	8	20	13	22	16	17	10	11	18	7	13	12	5	4	10	6	4	3								
1953		5	11	21	3	42	17	19	15	5	12	15	21	21	28	23	21	16	11	11	9	12	10	6	2	5		2	1	1									
1954	4	30	26	19	62	30	25	15	15	17	15	15	20	10	12	9	6	15	4	4	3	6	2		1														
1955			11	10	9	4	13	12	38	42	22	23	18	15	26	16	10	21	9	14	6	12	7	8	5	4	3	4	3										
1956			1	16	9	7	13	20	17	29	16	31	21	21	23	12	9	24	15	11	16	13	9	13	6	6	5	2	1										
1957		13	8	27	38	7	16	14	20	8	20	15	23	27	16	10	9	7	9	8	6	7	11	12	8	6	3	7	2	6	2								
1958				4	4	3	20	30	23	13	23	35	38	34	12	26	13	14	11	9	4	12	7	5	3	4	3	3	2	1	4	1							
1959			5	7	17	32	15	27	36	19	13	9	3	15	16	14	15	14	24	20	10	11	11	5	3	3	4	5	3	3	3	2	1						
1960				16	12	12	26	13	21	40	42	25	19	31	17	15	17	8	7	14	3	7	4	3	9		1	4											
1961			15	25	45	49	10	10	12	20	15	19	17	10	16	10	6	15	7	5	7	6	10	10	2	6	3	8	3	2	2								
1962				1	21	13	23	26	28	37	29	12	9	31	25	13	14	16	13	11	7	7	6	3	4	4	2	7	1	1	1								
1963		1	30	15	28	67	50	30	11	16	12	18	7	8	8	11	5	11	1	5	3	3	8	3	1			1	2	1	1								
1964		4	34	58	45	34	18	17	17	18	14	6	8	8	7	10	6	10	5	5	4	2	6	3	5	5	7	5	1			2	2						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	7671	100.00	12	620.0	405	4085	53.25	24	6500.0	163	737	9.61
1	72.0	16	7671	100.00	13	760.0	334	3680	47.97	25	8000.0	124	574	7.48
2	88.0	78	7655	99.79	14	920.0	288	3346	43.62	26	9700.0	121	450	5.87
3	110.0	199	7577	98.77	15	1100.0	428	3058	39.86	27	12000.0	68	329	4.29
4	130.0	305	7378	96.18	16	1400.0	321	2630	34.28	28	14000.0	87	261	3.40
5	160.0	394	7073	92.20	17	1700.0	249	2309	30.10	29	17000.0	70	174	2.27
6	190.0	486	6679	87.07	18	2000.0	312	2060	26.85	30	21000.0	45	104	1.36
7	230.0	439	6193	80.73	19	2500.0	226	1748	22.79	31	26000.0	33	59	0.77
8	280.0	406	5754	75.01	20	3000.0	208	1522	19.84	32	31000.0	15	26	0.34
9	350.0	420	5348	69.72	21	3600.0	225	1314	17.13	33	38000.0	9	11	0.14
10	420.0	453	4928	64.24	22	4400.0	184	1089	14.20	34	46000.0	2	2	0.03
11	510.0	390	4475	58.34	23	5400.0	168	905	11.80					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	139.0
P90 =	173.0
P75 =	280.0
P70 =	346.0
P50 =	706.0
P25 =	2230.0
P10 =	6300.0

## 03327500 WABASH RIVER AT PERU, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	82.00 4	83.00 3	85.00 1	88.00 1	115.00 4	140.00 4	166.00 4	170.00 4	183.00 2
1946	74.00 2	84.00 4	97.00 4	134.00 9	193.00 11	544.00 19	630.00 18	1050.00 20	979.00 17
1947	72.00 1	79.00 1	91.00 3	101.00 3	106.00 1	136.00 3	150.00 3	163.00 3	313.00 6
1948	172.00 15	172.00 15	175.00 14	186.00 14	260.00 15	306.00 13	347.00 11	427.00 12	521.00 8
1949	113.00 8	115.00 8	121.00 8	134.00 10	155.00 9	184.00 8	203.00 7	350.00 9	682.00 11
1950	177.00 17	199.00 17	228.00 17	233.00 17	305.00 17	394.00 15	479.00 14	676.00 14	856.00 14
1951	257.00 20	263.00 20	311.00 20	314.00 20	393.00 20	731.00 20	1060.00 20	1040.00 19	1240.00 18
1952	132.00 11	143.00 11	152.00 11	160.00 11	169.00 10	182.00 7	225.00 8	299.00 8	617.00 10
1953	176.00 16	179.00 16	183.00 15	202.00 15	210.00 13	252.00 10	363.00 12	375.00 10	543.00 9
1954	100.00 5	100.00 5	100.00 5	101.00 4	106.00 2	117.00 1	123.00 1	138.00 2	210.00 4
1955	78.00 3	81.00 2	89.00 2	99.00 2	135.00 6	275.00 11	294.00 10	390.00 11	716.00 12
1956	112.00 7	112.00 7	112.00 7	122.00 6	146.00 7	403.00 16	798.00 19	900.00 16	949.00 16
1957	119.00 9	121.00 9	124.00 10	128.00 8	134.00 5	151.00 5	167.00 5	194.00 6	320.00 7
1958	168.00 14	169.00 14	183.00 16	215.00 16	277.00 16	542.00 18	602.00 17	907.00 17	2320.00 20
1959	249.00 19	249.00 19	256.00 19	262.00 18	314.00 18	392.00 14	519.00 16	1010.00 18	1430.00 19
1960	156.00 12	156.00 12	157.00 12	173.00 12	246.00 14	281.00 12	372.00 13	470.00 13	814.00 13
1961	121.00 10	121.00 10	123.00 9	127.00 7	151.00 8	153.00 6	170.00 6	176.00 5	207.00 3
1962	228.00 18	237.00 18	253.00 18	314.00 19	366.00 19	444.00 17	505.00 15	708.00 15	911.00 15
1963	160.00 13	163.00 13	170.00 13	186.00 13	200.00 12	228.00 9	246.00 9	239.00 7	269.00 5
1964	108.00 6	109.00 6	109.00 6	111.00 5	115.00 3	118.00 2	126.00 2	134.00 1	164.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	36900.00 4	34200.00 4	26100.00 5	17000.00 4	10900.00 8	7590.00 10	6360.00 9	5070.00 10	3410.00 14
1945	21900.00 16	21500.00 13	16800.00 15	9250.00 16	7370.00 16	5710.00 14	4980.00 14	4570.00 14	3480.00 12
1946	16100.00 20	13800.00 20	10600.00 20	8100.00 19	5290.00 20	3850.00 20	4020.00 18	3280.00 19	3070.00 16
1947	25700.00 13	21000.00 14	17600.00 12	11800.00 13	7870.00 14	7380.00 11	6120.00 11	4870.00 11	4000.00 10
1948	22500.00 14	20300.00 15	18300.00 10	13600.00 10	12700.00 5	8600.00 6	7270.00 6	5790.00 7	4570.00 7
1949	29000.00 9	26300.00 10	17200.00 14	15000.00 7	12300.00 6	9550.00 4	7510.00 5	6280.00 5	4730.00 6
1950	44000.00 3	38600.00 3	26500.00 4	25500.00 2	19200.00 1	14800.00 1	11900.00 1	10600.00 1	7710.00 1
1951	26900.00 11	24700.00 12	19700.00 9	13900.00 9	8690.00 11	7060.00 13	6330.00 10	6020.00 6	5490.00 5
1952	28400.00 10	26700.00 9	17300.00 13	13200.00 11	10900.00 9	8350.00 9	7980.00 4	7210.00 4	5870.00 3
1953	22400.00 15	19200.00 16	12600.00 18	9240.00 17	6950.00 17	4830.00 17	4130.00 17	3510.00 17	3020.00 17
1954	8010.00 21	5940.00 21	3970.00 21	3220.00 21	2540.00 21	1890.00 21	1640.00 21	1550.00 21	1180.00 21
1955	19800.00 18	16800.00 18	14700.00 16	9480.00 15	6910.00 18	4680.00 18	4530.00 15	3980.00 15	2940.00 18
1956	19700.00 19	17000.00 17	11600.00 19	9050.00 18	7630.00 15	5640.00 15	4240.00 16	3820.00 16	3140.00 15
1957	35800.00 5	33500.00 5	29500.00 2	19300.00 3	15000.00 3	9620.00 3	8200.00 2	7360.00 3	5740.00 4
1958	50900.00 1	46800.00 1	41600.00 1	25900.00 1	14600.00 4	9150.00 5	6910.00 7	5590.00 8	4330.00 8
1959	46400.00 2	39300.00 2	28600.00 3	16300.00 6	15200.00 2	9970.00 2	8110.00 3	7960.00 2	5880.00 2
1960	20000.00 17	16400.00 19	12800.00 17	7550.00 20	5650.00 19	4090.00 19	3570.00 20	3370.00 18	2660.00 19
1961	26400.00 12	25200.00 11	21700.00 7	16400.00 5	11100.00 7	8550.00 8	6900.00 8	5470.00 9	4050.00 9
1962	31700.00 7	28500.00 7	18000.00 11	10700.00 14	8450.00 13	7170.00 12	5940.00 13	4750.00 13	3650.00 11
1963	31000.00 8	28400.00 8	20800.00 8	13100.00 12	8520.00 12	5430.00 16	3940.00 19	3190.00 20	2230.00 20
1964	34300.00 6	31700.00 6	22100.00 6	14100.00 8	10700.00 10	8580.00 7	6110.00 12	4790.00 12	3410.00 13

## WABASH RIVER BASIN

03327500 WABASH RIVER AT PERU, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	1880.00	7
1946	2550.00	12
1947	1270.00	3
1948	2930.00	13
1949	3350.00	16
1950	3940.00	19
1951	3440.00	17
1952	3160.00	15
1953	2080.00	10
1954	865.00	1
1955	1880.00	8
1956	1980.00	9
1957	1340.00	5
1958	3870.00	18
1959	4130.00	20
1960	2420.00	11
1961	1320.00	4
1962	3040.00	14
1963	1480.00	6
1964	1020.00	2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	1840.00	16
1945	1870.00	15
1946	1940.00	14
1947	2220.00	10
1948	2520.00	8
1949	2850.00	7
1950	4420.00	1
1951	3190.00	5
1952	3230.00	4
1953	1740.00	19
1954	691.00	21
1955	1970.00	13
1956	2210.00	11
1957	3110.00	6
1958	3350.00	2
1959	3340.00	3
1960	1760.00	18
1961	2170.00	12
1962	2300.00	9
1963	1230.00	20
1964	1790.00	17

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	266.00	616.00	269.00	236.00	1642.0	4378.0	10680.0	3096.0	532.00	175.00	232.00	138.00
1945	166.00	296.00	154.00	141.00	1921.0	5203.0	5286.0	3550.0	3729.0	729.00	819.00	571.00
1946	2364.0	734.00	2182.0	3515.0	2844.0	4278.0	678.00	3064.0	2519.0	700.00	203.00	129.00
1947	142.00	189.00	560.00	3089.0	1813.0	2201.0	5534.0	5191.0	6279.0	674.00	734.00	319.00
1948	316.00	418.00	671.00	3531.0	3547.0	8067.0	7372.0	3693.0	1060.0	1169.0	272.00	173.00
1949	198.00	1836.0	3905.0	12050.0	6103.0	2559.0	1868.0	1948.0	1839.0	1206.0	369.00	467.00
1950	1546.0	343.00	2554.0	18500.0	10250.0	6620.0	6537.0	1473.0	1709.0	1058.0	402.00	2457.0
1951	1200.0	3480.0	5746.0	5038.0	8194.0	4469.0	5080.0	2808.0	1228.0	1043.0	249.00	180.00
1952	286.00	760.00	3748.0	9512.0	5589.0	7363.0	5640.0	3258.0	1282.0	360.00	370.00	649.00
1953	231.00	507.00	1509.0	2658.0	2304.0	6254.0	2496.0	2837.0	807.00	648.00	483.00	129.00
1954	110.00	150.00	180.00	463.00	604.00	1455.0	2296.0	738.00	1458.0	313.00	424.00	135.00
1955	2078.0	712.00	1657.0	3963.0	2092.0	6649.0	2269.0	593.00	704.00	2022.0	674.00	150.00
1956	1559.0	4328.0	869.00	382.00	5960.0	4505.0	2051.0	2060.0	3074.0	1398.0	365.00	183.00
1957	145.00	202.00	551.00	1932.0	2394.0	1792.0	14840.0	4285.0	4260.0	5767.0	535.00	777.00
1958	1234.0	1583.0	8314.0	1668.0	1178.0	1964.0	1677.0	1498.0	14260.0	3563.0	2700.0	481.00
1959	388.00	2290.0	863.00	7529.0	10740.0	4288.0	7736.0	3968.0	1648.0	735.00	304.00	282.00
1960	728.00	1357.0	2197.0	3341.0	4494.0	2484.0	1878.0	1304.0	1423.0	1355.0	449.00	199.00
1961	180.00	210.00	163.00	166.00	843.00	7568.0	9528.0	2911.0	1146.0	815.00	1817.0	666.00
1962	403.00	1219.0	604.00	6501.0	3807.0	7093.0	1101.0	1620.0	1625.0	2957.0	366.00	310.00
1963	241.00	299.00	211.00	276.00	384.00	8128.0	2303.0	1078.0	904.00	504.00	179.00	119.00
1964	117.00	158.00	142.00	325.00	247.00	6087.0	10490.0	1520.0	841.00	1246.0	193.00	177.00

## 03327500 WABASH RIVER AT PERU, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
173.00	253.00	240.00	354.00	1410.00	2522.00
FIFTIETH PERCENTILE					
286.00	616.00	863.00	3089.00	2394.00	4505.00
SEVENTY FIFTH PERCENTILE					
1217.00	1470.00	2376.00	5770.00	5775.00	6871.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1965.00	1486.00	982.00	661.00	261.00	144.00
FIFTIETH PERCENTILE					
5080.00	2808.00	1458.00	1043.00	370.00	199.00
SEVENTY FIFTH PERCENTILE					
7554.00	3404.00	2797.00	1377.00	605.00	526.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34					
1970						2	7	10	11	5	4	18	NUMBER OF DAYS IN CLASS												14	40	15	15	10	13	13	8	22	12	10	14	9	6	4	1
1971					3	4	2	19	22	28	28	14	13	15	16	11	24	17	57	15	12	8	11	5	7	7	2	7	2	2	3	6	5							
1972					5	2	2	2	2	9	16	9	12	13	17	20	37	19	32	15	16	11	8	10	8	15	19	16	16	15	10	11	1							
1973									1	6	8	8	9	8	8	3	21	11	21	23	10	22	8	8	12	16	32	40	33	33	20	4								
1974						1	16	14	6	4	7	5	10	8	17	18	37	16	36	9	5	11	5	8	10	17	8	22	19	12	22	12	10							
1975									5	5	20	22	21	6	8	11	22	3	40	25	22	19	17	13	16	16	17	15	21	11	2	8								
1976				4		2	5	4	6	27	9	19	27	18	21	9	3	4	35	22	35	12	12	9	5	5	6	3	4	6	11	14	20	6	3					
1977					14	21	37	32	25	18	19	13	12	13	26	23	31	3	6	8	20	8	3	6	1	7	5	6	5	1	2									
1978										9	17	17	16	24	24	35	14	9	41	2	13	6	17	13	15	13	1	5	11	10	19	21	8	5						
1979										11	18	14	12	43	30	17	38	11	24	6	17	18	11	12	18	24	4	7	3	8	16	3								
1980									3	6	12	14	14	9	27	25	31	10	23	14	13	15	16	13	19	14	13	23	23	12	14	3								
1981						4	3	21	24	19	12	11	16	32	37	28	7	15	9	13	5	11	5	17	23	21	11	5	9	6	1									
1982							11	25	12	15	13	12	14	23	11	17	3	22	8	11	26	13	16	11	13	18	9	10	12	5	9	15	11							
1983				14	11	8	16	12	12	9	9	7	13	25	24	35	13	22	12	15	12	8	10	13	13	16	14	10	7	4	1									
1984						12	11	14	19	15	9	28	16	18	17	20	3	39	10	8	10	7	9	4	6	11	12	13	11	20	19	5								
1985						6	6	9	28	15	35	36	17	28	18	12	12	24	18	14	13	12	4	4	4	4	1	6	5	8	6	8	10	2						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	480.0	256	4644	79.47	24	3200.0	169	1521	26.03
1	82.0	4	5844	100.00	13	560.0	239	4388	75.09	25	3800.0	213	1352	23.13
2	96.0	0	5840	99.93	14	650.0	329	4149	71.00	26	4500.0	187	1139	19.49
3	110.0	2	5840	99.93	15	770.0	290	3820	65.37	27	5200.0	204	952	16.29
4	130.0	36	5838	99.90	16	900.0	424	3530	60.40	28	6100.0	202	748	12.80
5	160.0	48	5802	99.28	17	1100.0	173	3106	53.15	29	7200.0	171	546	9.34
6	180.0	100	5754	98.46	18	1200.0	477	2933	50.19	30	8400.0	177	375	6.42
7	210.0	151	5654	96.75	19	1500.0	201	2456	42.03	31	9900.0	113	198	3.39
8	250.0	165	5503	94.16	20	1700.0	216	2255	38.59	32	12000.0	57	85	1.45
9	290.0	215	5338	91.34	21	2000.0	203	2039	34.89	33	14000.0	26	28	0.48
10	350.0	249	5123	87.66	22	2400.0	165	1836	31.42	34	16000.0	2	2	0.03
11	410.0	230	4874	83.40	23	2800.0	150	1671	28.59					

## 03327500 WABASH RIVER AT PERU, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 237.0  
 P90 = 312.0  
 P75 = 562.0  
 P70 = 671.0  
 P50 = 1210.0  
 P25 = 3410.0  
 P10 = 6990.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	168.00 4	181.00 6	189.00 6	201.00 4	244.00 5	531.00 9	767.00 10	845.00 10	946.00 8
1972	155.00 3	156.00 3	173.00 3	232.00 6	262.00 7	424.00 7	513.00 7	766.00 9	833.00 4
1973	169.00 5	170.00 4	182.00 4	235.00 8	321.00 9	793.00 13	953.00 13	1240.00 13	2440.00 15
1974	287.00 13	312.00 14	347.00 14	481.00 14	686.00 14	932.00 14	1030.00 14	1280.00 14	1640.00 14
1975	176.00 6	180.00 5	185.00 5	192.00 3	210.00 3	360.00 6	507.00 6	628.00 6	930.00 6
1976	266.00 12	270.00 12	279.00 12	338.00 12	381.00 11	589.00 11	870.00 11	980.00 11	1400.00 11
1977	82.00 1	93.00 1	151.00 2	156.00 2	160.00 1	172.00 1	237.00 1	381.00 1	449.00 1
1978	203.00 9	205.00 9	217.00 9	232.00 7	261.00 6	318.00 3	355.00 3	497.00 3	814.00 3
1979	300.00 14	302.00 13	310.00 13	332.00 11	408.00 12	543.00 10	610.00 8	720.00 7	976.00 10
1980	307.00 15	350.00 15	453.00 15	546.00 15	805.00 15	1070.00 15	1330.00 15	1670.00 15	1540.00 12
1981	240.00 11	252.00 11	271.00 11	314.00 10	334.00 10	476.00 8	667.00 9	764.00 8	934.00 7
1982	180.00 7	185.00 7	215.00 8	388.00 13	534.00 13	764.00 12	877.00 12	1090.00 12	1610.00 13
1983	214.00 10	225.00 10	246.00 10	252.00 9	306.00 8	337.00 5	362.00 4	518.00 4	963.00 9
1984	141.00 2	142.00 2	145.00 1	151.00 1	182.00 2	234.00 2	317.00 2	470.00 2	811.00 2
1985	184.00 8	188.00 8	196.00 7	214.00 5	233.00 4	324.00 4	366.00 5	521.00 5	875.00 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	13100.00 7	10800.00 10	9520.00 11	7110.00 14	5320.00 14	4160.00 15	3570.00 13	3670.00 13	3200.00 12
1971	13400.00 4	13300.00 4	12600.00 4	10400.00 6	7670.00 11	5020.00 13	3540.00 14	2950.00 14	2390.00 15
1972	12600.00 10	10900.00 9	10500.00 8	8870.00 10	8040.00 10	5910.00 10	4900.00 9	4050.00 10	3960.00 6
1973	10400.00 14	10200.00 11	9810.00 10	9390.00 8	8100.00 9	7290.00 6	6280.00 4	5760.00 3	5520.00 3
1974	13400.00 5	13100.00 5	12500.00 5	11900.00 4	10300.00 4	8450.00 3	7210.00 2	6680.00 2	5540.00 2
1975	11600.00 11	11000.00 8	10400.00 9	8720.00 11	7370.00 12	5760.00 11	5430.00 8	5030.00 8	3860.00 9
1976	12700.00 8	12400.00 6	11900.00 6	10200.00 7	9680.00 5	7540.00 5	5740.00 6	5200.00 6	3920.00 8
1977	8670.00 16	8200.00 16	7130.00 16	5130.00 16	4160.00 16	3060.00 16	2460.00 16	1920.00 16	1460.00 16
1978	15000.00 3	14800.00 3	14200.00 3	12700.00 3	11300.00 3	9270.00 2	7070.00 3	5740.00 4	5050.00 4
1979	10700.00 13	9730.00 12	9240.00 13	8990.00 9	8420.00 7	6010.00 8	4420.00 11	3710.00 12	3170.00 13
1980	10200.00 15	9710.00 13	9340.00 12	8710.00 12	8260.00 8	5910.00 9	4210.00 12	4290.00 9	3620.00 10
1981	11200.00 12	8960.00 14	8760.00 14	8190.00 13	6740.00 13	5620.00 12	4800.00 10	3950.00 11	3200.00 11
1982	15800.00 2	15100.00 2	14700.00 2	13800.00 2	13100.00 1	10600.00 1	8560.00 1	7460.00 1	5600.00 1
1983	12600.00 9	8770.00 15	8180.00 15	6780.00 15	4780.00 15	4410.00 14	3280.00 15	2810.00 15	3050.00 14
1984	13200.00 6	12400.00 7	11300.00 7	11000.00 5	9630.00 6	7190.00 7	6210.00 5	5430.00 5	4660.00 5
1985	16100.00 1	15300.00 1	15000.00 1	14600.00 1	12100.00 2	7960.00 4	5530.00 7	5180.00 7	3950.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	2120.00 5
1972	1650.00 2
1973	4030.00 15
1974	3660.00 14
1975	2780.00 12
1976	2720.00 9
1977	833.00 1
1978	2080.00 4
1979	2770.00 10
1980	2510.00 7
1981	1790.00 3
1982	3460.00 13
1983	2180.00 6
1984	2690.00 8
1985	2780.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	2230.00 10
1971	1620.00 15
1972	2730.00 7
1973	3900.00 1
1974	3240.00 2
1975	2610.00 8
1976	2210.00 11
1977	1040.00 16
1978	3150.00 4
1979	2160.00 12
1980	2780.00 6
1981	1990.00 13
1982	3210.00 3
1983	1910.00 14
1984	2810.00 5
1985	2300.00 9

03327500 WABASH RIVER AT PERU, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	2460.0	4021.0	1684.0	1044.0	3813.0	2845.0	3657.0	3873.0	1126.0	723.00	1044.0	582.00
1971	1314.0	1535.0	1080.0	605.00	5513.0	4649.0	412.00	990.00	1277.0	656.00	278.00	1403.0
1972	1468.0	1089.0	5123.0	2923.0	845.00	3197.0	7096.0	4248.0	1412.0	1572.0	406.00	3286.0
1973	4319.0	7653.0	6772.0	4225.0	2785.0	4536.0	6670.0	2453.0	3346.0	1053.0	2268.0	730.00
1974	1169.0	1670.0	3944.0	7173.0	9747.0	4261.0	4547.0	3907.0	1259.0	480.00	291.00	918.00
1975	961.00	1798.0	3764.0	4415.0	5188.0	6034.0	1836.0	1665.0	3241.0	443.00	803.00	1398.0
1976	1301.0	1320.0	3585.0	2754.0	6532.0	7895.0	867.00	345.00	711.00	602.00	247.00	462.00
1977	880.00	786.00	212.00	168.00	515.00	4151.0	1727.0	1087.0	261.00	375.00	897.00	1412.0
1978	1303.0	2246.0	5667.0	3241.0	747.00	5819.0	10410.0	4274.0	1326.0	1287.0	567.00	753.00
1979	947.00	1037.0	1416.0	1735.0	1068.0	8286.0	3283.0	958.00	1430.0	1788.0	2886.0	899.00
1980	1255.0	2322.0	4334.0	2179.0	1905.0	6797.0	3630.0	879.00	4969.0	2025.0	2385.0	678.00
1981	920.00	1186.0	579.00	474.00	2887.0	1076.0	1105.0	3816.0	5031.0	5377.0	569.00	1012.0
1982	1179.0	1667.0	1519.0	4119.0	5243.0	10890.0	9182.0	1419.0	2260.0	536.00	330.00	353.00
1983	917.00	2077.0	4276.0	2370.0	1756.0	830.00	3941.0	4658.0	913.00	591.00	200.00	377.00
1984	1167.0	2415.0	5861.0	622.00	5465.0	6097.0	6931.0	3011.0	851.00	801.00	373.00	294.00
1985	1197.0	1766.0	1853.0	3210.0	3331.0	9747.0	3310.0	575.00	1096.0	388.00	505.00	641.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
951.00	1220.00	1442.00	728.00	1240.00	3436.00
FIFTIETH PERCENTILE					
1188.00	1718.00	3675.00	2562.00	3109.00	5234.00
SEVENTY FIFTH PERCENTILE					
1311.00	2303.00	4926.00	3900.00	5410.00	7621.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
1754.00	966.00	959.00	494.00	301.00	492.00
FIFTIETH PERCENTILE					
3644.00	2059.00	1302.00	690.00	536.00	742.00
SEVENTY FIFTH PERCENTILE					
6866.00	3899.00	2996.00	1501.00	1007.00	1302.00

03327520 PIPE CREEK NEAR BUNKER HILL, IN

LOCATION.--Lat 40°40'06", long 86°05'44", in NE¼SE¼ sec.29, T.26 N., R.4 E., Miami County, Hydrologic Unit 05120101, on right bank 150 ft downstream from bridge on County Road 125 West, 0.5 mi northeast of Bunker Hill, and at mile 11.4.

DRAINAGE AREA.--159 mi<sup>2</sup>.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1960-67; May 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 736.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 148 ft<sup>3</sup>/s, 12.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 16.59 ft; minimum daily, 3.3 ft<sup>3</sup>/s Feb. 1, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969				10	19	20	7	11	7	9	18	24	34	49	41	24	20	14	10	15	4	5	3	5	1	5	2	2	2			2	2		
1970				5	11	8	12	8	4	13	23	26	24	28	36	30	23	19	24	14	5	11	3	5	6	11	8	2	6						
1971		1	2	11	16	12	5	12	11	24	25	33	46	35	38	23	19	6	8	7	4	3	5	1	2	6	6	3	1						
1972				4	9	10	31	21	14	19	8	28	40	28	22	21	16	18	14	7	4	11	8	7	9	4	5	4	1	1	2				
1973								1	9	23	11	10	28	28	29	33	21	24	25	14	17	11	14	13	25	9	10	5	3	1	1				
1974				1	11	16	17	14	19	31	12	18	19	28	21	23	14	13	10	8	11	5	10	8	17	10	7	10	6	4	1	1			
1975						13	52	14	21	12	10	12	5	25	33	21	30	28	26	15	14	9	7	2	7	1	3	1	3	1					
1976			1	4	12	6	15	25	27	35	24	14	31	23	23	23	16	15	13	12	5	7	7	4	4	6	5	4	3			2			
1977	38	18	9	12	56	27	21	9	11	22	9	20	7	15	13	10	9	12	8	10	9	7	4	3	3		3								
1978				2	14	17	8	16	48	17	41	24	25	23	14	18	15	10	11	15	4	7	4	5	7	5	6	5	2	2					
1979					7	41	11	17	31	21	28	27	30	17	16	14	11	12	6	14	16	10	12	6	6	5	2	2	2	1					
1980					10	10	16	24	19	23	34	31	36	32	21	14	15	9	16	6	15	11	6	7	2	6			1	1	1				
1981					27	23	43	18	8	30	25	19	15	17	12	15	11	14	13	16	12	12	15	7	5	4	1	1	1	1					
1982					2	24	25	10	4	16	9	20	29	29	23	24	20	20	16	9	20	8	15	4	7	9	4	6	6	2	1	2	1		
1983				24	29	26	17	14	13	10	1	17	26	24	25	27	18	19	14	12	14	6	9	2	3	1	6	3	2	1		1	1		
1984				4	25	26	24	11	16	24	23	12	17	30	26	16	13	19	17	8	10	7	7	4	6	7	2	5	4	1	2				
1985					6	6	17	15	30	20	29	36	36	27	22	22	15	13	12	8	7	7	6	6	6	7	2	4	2	1		1	1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	34.0	402	4035	64.99	24	440.0	96	537	8.65
1	3.3	39	6209	100.00	13	42.0	450	3633	58.51	25	540.0	131	441	7.10
2	4.1	20	6170	99.37	14	52.0	475	3183	51.26	26	670.0	94	310	4.99
3	5.1	36	6150	99.05	15	65.0	402	2708	43.61	27	830.0	67	216	3.48
4	6.3	95	6114	98.47	16	80.0	359	2306	37.14	28	1000.0	66	149	2.40
5	7.7	219	6019	96.94	17	99.0	275	1947	31.36	29	1300.0	38	83	1.34
6	9.6	222	5800	93.41	18	120.0	277	1672	26.93	30	1600.0	14	45	0.72
7	12.0	361	5578	89.84	19	150.0	241	1395	22.47	31	1900.0	18	31	0.50
8	15.0	203	5217	84.02	20	190.0	158	1154	18.59	32	2400.0	8	13	0.21
9	18.0	267	5014	80.75	21	230.0	187	996	16.04	33	3000.0	4	5	0.08
10	22.0	411	4747	76.45	22	290.0	127	809	13.03	34	3700.0	1	1	0.02
11	28.0	301	4336	69.83	23	350.0	145	682	10.98					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 8.7  
P90 = 11.9  
P75 = 23.3  
P70 = 27.9  
P50 = 54.2  
P25 = 133.0  
P10 = 388.0



## 03327520 PIPE CREEK NEAR BUNKER HILL, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	7.60 7	8.10 8	8.70 9	11.00 11	13.00 10	30.00 14	38.00 13	48.00 12	63.00 12
1971	5.80 3	6.10 3	6.60 4	6.80 3	8.10 4	10.00 3	17.00 8	26.00 9	33.00 6
1972	4.00 2	4.40 2	5.20 2	6.00 2	7.40 3	15.00 9	18.00 9	17.00 7	22.00 2
1973	7.10 5	7.40 5	8.00 5	8.70 7	13.00 11	36.00 15	57.00 15	75.00 14	122.00 16
1974	17.00 15	17.00 15	18.00 15	22.00 15	23.00 15	25.00 12	30.00 11	105.00 16	106.00 15
1975	7.60 6	8.10 9	8.90 11	10.00 9	11.00 8	13.00 7	14.00 6	15.00 5	24.00 3
1976	11.00 13	11.00 13	12.00 13	14.00 14	18.00 13	20.00 11	30.00 12	40.00 11	62.00 11
1977	3.30 1	3.40 1	3.50 1	3.50 1	3.60 1	4.40 1	5.80 1	6.60 1	9.50 1
1978	7.70 8	8.50 11	8.80 10	11.00 12	13.00 12	15.00 10	25.00 10	32.00 10	52.00 10
1979	9.10 12	9.40 12	9.70 12	10.00 10	12.00 9	13.00 8	14.00 7	17.00 6	41.00 9
1980	13.00 14	13.00 14	13.00 14	14.00 13	20.00 14	28.00 13	47.00 14	63.00 13	95.00 13
1981	7.90 9	8.10 10	8.30 6	8.40 5	8.80 5	10.00 4	12.00 3	13.00 3	27.00 4
1982	22.00 16	23.00 16	25.00 16	30.00 16	46.00 16	88.00 16	87.00 16	95.00 15	98.00 14
1983	7.90 10	8.00 6	8.30 7	8.70 6	9.50 6	10.00 5	13.00 4	15.00 4	37.00 7
1984	6.40 4	6.50 4	6.60 3	7.20 4	7.40 2	8.10 2	9.70 2	12.00 2	28.00 5
1985	8.00 11	8.10 7	8.30 8	9.00 8	10.00 7	11.00 6	13.00 5	18.00 8	37.00 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	2960.00 5	2650.00 4	1790.00 4	964.00 7	591.00 9	356.00 12	268.00 14	242.00 11	185.00 15
1970	1270.00 15	1100.00 15	867.00 14	599.00 13	443.00 13	318.00 15	241.00 15	213.00 15	191.00 14
1971	1190.00 16	951.00 16	822.00 15	572.00 14	442.00 14	288.00 16	206.00 16	186.00 16	138.00 16
1972	2390.00 7	2040.00 7	1380.00 7	865.00 9	642.00 7	375.00 10	297.00 10	247.00 10	211.00 12
1973	2000.00 10	1740.00 11	1030.00 12	740.00 11	620.00 8	416.00 8	356.00 8	335.00 4	338.00 3
1974	3680.00 2	2970.00 2	2040.00 1	1380.00 1	789.00 4	611.00 2	540.00 2	504.00 1	438.00 1
1975	1850.00 13	1610.00 13	950.00 13	572.00 15	428.00 15	324.00 14	277.00 13	241.00 12	217.00 11
1976	1970.00 11	1810.00 10	1350.00 8	1110.00 5	770.00 5	461.00 6	359.00 7	301.00 9	218.00 10
1977	984.00 17	836.00 17	497.00 17	359.00 17	331.00 17	234.00 17	204.00 17	162.00 17	117.00 17
1978	2110.00 9	1900.00 8	1620.00 5	1280.00 4	888.00 2	533.00 5	392.00 3	333.00 5	275.00 4
1979	2130.00 8	1810.00 9	1260.00 10	1070.00 6	706.00 6	543.00 4	386.00 4	326.00 7	264.00 5
1980	2750.00 6	2180.00 6	1400.00 6	774.00 10	547.00 11	384.00 9	362.00 6	328.00 6	255.00 8
1981	1680.00 14	1240.00 14	772.00 16	543.00 16	379.00 16	338.00 13	279.00 11	241.00 13	199.00 13
1982	3150.00 3	2880.00 3	2000.00 3	1310.00 2	1030.00 1	736.00 1	577.00 1	498.00 2	372.00 2
1983	3110.00 4	2350.00 5	1330.00 9	717.00 12	505.00 12	362.00 11	277.00 12	222.00 14	243.00 9
1984	1940.00 12	1670.00 12	1160.00 11	954.00 8	575.00 10	454.00 7	349.00 9	318.00 8	263.00 6
1985	4210.00 1	3370.00 1	2010.00 2	1280.00 3	815.00 3	547.00 3	383.00 5	347.00 3	256.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	113.00 4
1971	122.00 5
1972	71.00 2
1973	261.00 16
1974	248.00 14
1975	143.00 7
1976	154.00 11
1977	70.00 1
1978	148.00 9
1979	144.00 8
1980	156.00 12
1981	103.00 3
1982	252.00 15
1983	123.00 6
1984	172.00 13
1985	154.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	110.00 15
1970	135.00 12
1971	85.00 16
1972	147.00 9
1973	236.00 1
1974	236.00 2
1975	131.00 13
1976	140.00 10
1977	68.00 17
1978	170.00 4
1979	156.00 6
1980	167.00 5
1981	118.00 14
1982	212.00 3
1983	137.00 11
1984	148.00 8
1985	155.00 7

## WABASH RIVER BASIN

03327520 PIPE CREEK NEAR BUNKER HILL, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	124.00	115.00	24.60	12.50	7.67
1969	7.02	28.40	106.00	431.00	212.00	79.40	177.00	86.20	68.30	63.70	21.80	45.40
1970	221.00	298.00	75.60	83.80	79.50	141.00	362.00	212.00	52.50	67.10	18.80	10.40
1971	24.20	58.80	56.90	34.50	365.00	221.00	45.60	121.00	45.80	28.50	7.63	30.50
1972	18.20	13.50	301.00	104.00	41.80	82.40	637.00	98.70	136.00	94.10	18.60	226.00
1973	164.00	502.00	324.00	234.00	167.00	539.00	264.00	64.40	163.00	84.70	296.00	24.90
1974	25.90	259.00	406.00	731.00	276.00	374.00	326.00	304.00	75.50	24.60	16.20	14.10
1975	12.50	15.20	139.00	271.00	386.00	153.00	140.00	109.00	228.00	23.70	70.00	50.90
1976	20.40	30.00	181.00	141.00	638.00	245.00	52.60	28.50	167.00	133.00	53.50	9.49
1977	7.57	9.56	6.57	3.70	53.80	316.00	136.00	121.00	20.60	13.90	62.10	57.40
1978	108.00	48.40	422.00	53.50	25.10	684.00	342.00	111.00	49.10	144.00	22.40	12.50
1979	13.30	22.20	93.30	85.00	238.00	596.00	289.00	59.30	154.00	194.00	108.00	20.70
1980	35.40	176.00	183.00	83.30	98.80	469.00	247.00	104.00	429.00	50.20	113.00	17.00
1981	12.20	8.79	16.50	15.70	185.00	49.70	164.00	333.00	325.00	73.60	112.00	133.00
1982	125.00	83.30	99.10	302.00	372.00	902.00	367.00	125.00	125.00	25.40	18.00	11.50
1983	9.63	65.80	470.00	80.80	99.60	76.90	299.00	404.00	84.90	22.70	10.80	7.49
1984	16.90	36.60	288.00	35.50	356.00	499.00	183.00	213.00	79.90	40.50	17.90	11.00
1985	13.90	73.60	132.00	196.00	536.00	379.00	250.00	47.10	61.20	116.00	56.50	29.90

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

12.40	18.69	84.40	44.50	89.10	112.00
-------	-------	-------	-------	-------	--------

## FIFTIETH PERCENTILE

18.19	48.40	139.00	85.00	212.00	316.00
-------	-------	--------	-------	--------	--------

## SEVENTY FIFTH PERCENTILE

71.70	130.00	313.00	253.00	369.00	519.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

152.00	80.70	59.00	24.60	17.50	10.90
--------	-------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

250.00	116.00	99.90	56.90	22.10	18.80
--------	--------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

334.00	212.00	164.00	99.60	79.50	46.80
--------	--------	--------	-------	-------	-------

## 03328000 EEL RIVER AT NORTH MANCHESTER, IN

LOCATION.--Lat 40°59'55", long 85°45'50", in NE¼NE¼ sec.5, T.29 N., R.7 E., Wabash County, Hydrologic Unit 05120104, on right bank 200 ft downstream from Main Street bridge in North Manchester, 1.3 mi upstream from Pony Creek, and at mile 52.7.

DRAINAGE AREA.--417 mi<sup>2</sup>, includes that of Pony Creek.

PERIOD OF RECORD.--October 1929 to September 1985. Prior to April 1930, monthly discharge only, published in WSP 1305. Gage-height records since November 20, 1923 are available from the district office.

GAGE.--Water-stage recorder. Datum of gage is 738.00 ft above National Geodetic Vertical Datum of 1929. Prior to July 24, 1953, nonrecording gage on downstream side of Second Street bridge, 700 ft upstream at same datum.

REMARKS.--Records include flow of Pony Creek.

AVERAGE DISCHARGE.--56 years, 364 ft<sup>3</sup>/s, 11.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,240 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 13.76 ft; maximum gage height, 14.00 ft Feb. 27, 1936; minimum daily discharge, 16 ft<sup>3</sup>/s Oct. 19, 1956.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1931			2		8	12	29	44	81	61	19	31	29	11	6	8	3	7	8	3	3																
1932					5	16	35	33	24	24	31	21	27	36	30	9	14	12	16	9	9	4	6	2	3												
1933					5	20	19	21	22	29	18	13	31	28	35	23	7	14	10	13	8	17	12	12	3	3					2						
1934					4	15	27	39	17	21	19	72	47	23	15	19	6	9	10	2	3	5	2	4	3	3											
1935					1	13	45	49	35	38	28	28	11	17	6	24	9	13	9	11	6	7	7	2	3	1				1	1						
1936					8	15	16	26	27	24	30	33	36	28	18	17	13	14	13	9	8	6	4	5	4	2	3	1	1		3		1	1			
1937					6	21	28	28	18	20	29	13	23	24	23	19	14	16	11	10	10	20	17	5	6	1	1	1		1		1					
1938									30	46	30	27	20	30	9	20	21	10	20	20	18	15	10	6	10	3	4	5	4	2	1	1	2	1			
1939					6	25	25		25	23	28	28	46	17	18	16	11	14	18	7	6	5	7	6	7	7	12	1	4	1		2					
1940					1	4	25	40	61	44	32	9	19	18	12	15	16	17	10	6	10	6	5	5	3	5		1	1	1							
1941			4	2	20	31	16	12	28	35	30	28	27	38	28	12	13	11	11	6	6	3	3	1													
1942				1	1		14	23	39	38	30	42	27	21	22	9	17	13	11	9	8	6	8	9	4	7	4	2									
1943										20	31	30	27	26	48	27	21	22	17	16	16	8	12	10	2	6	10	4	3	6	2	1					
1944							13	11	22	28	56	46	36	25	14	3	9	11	6	10	11	14	7	10	6	6	4	7	2	3	2	3	1				
1945							1	14	46	55	31	23	9	20	25	18	21	17	14	13	8	10	5	6	5	6	3	3	3	6	1	2					
1946							2	22	13	33	24	45	58	31	20	15	17	7	18	17	8	11	2	6	6	3	2	2	2	1							
1947					1	2	9	12	5	10	59	27	28	36	18	15	23	17	16	16	15	11	12	11	7	3	6	1	2	2	1						
1948							4	45	38	17	21	39	29	21	38	10	15	9	18	13	9	7	8	4	7	3	5	2	2	2							
1949							17	20	36	36	34	26	25	15	28	19	25	17	8	11	6	11	6	4	3	8	1	5		2	2						
1950							2	2	11	35	29	22	28	35	17	9	12	12	25	15	18	14	15	9	13	12	10	10	4	2	4						
1951										2	39	24	19	28	36	33	17	19	25	22	16	12	14	14	9	6	10	7	8	3	2						
1952										17	33	30	20	14	18	41	26	30	24	17	14	13	16	11	9	7	8	8	1	1							
1953							4	25	28	43	41	32	26	18	19	32	24	16	15	14	7	7	6	1	2	2	2	1									
1954					1		25	55	58	36	27	25	26	20	12	14	11	9	13	11	9	3	4		3	3											
1955									16	25	16	21	34	38	27	32	21	18	25	17	14	7	9	10	12	5	7	2	4	3	2						
1956				1					11	20	17	35	46	37	26	13	19	18	21	20	13	15	11	13	5	5	8	3	5	4							
1957									6	15	39	63	30	19	20	31	23	22	17	12	9	8	4	10	7	3	8	1	3	4	5	3	2				
1958									1	7	20	13	27	44	39	33	45	21	18	15	12	15	12	8	7	8	7	5	4	2	2						
1959									5	20	26	34	45	29	13	10	15	21	15	21	17	19	15	13	9	10	5	8	5	4	1	3	1	1			
1960									5	12	20	19	12	13	27	34	26	36	35	20	22	14	17	8	9	4	11	9	5	6	2						
1961									1	35	74	41	10	22	29	20	16	13	14	11	11	8	6	9	5	6	8	4	8	8	2						
1962									17	43	20	14	14	22	34	37	20	35	18	23	10	10	8	8	5	3	7	5	5	2	1	3	1				
1963									5	10	52	60	67	40	18	21	12	12	7	12	11	8	10	1	7	3	1	1	2	1	1		2				
1964									54	76	49	39	17	13	19	14	10	15	9	8	6	8	5	5	4	3	6	4	1			1					
1965									15	27	44	17	23	44	67	10	12	17	10	8	15	11	10	9	4	4	3	8	4	2	1						
1966									6	8	8	25	28	35	52	46	35	26	12	22	10	10	7	6	6	4	1	5	3	2	1	1					
1967									1	10	48	27	42	39	22	25	20	13	9	12	14	12	14	11	7	11	1	12	4	3	2	2	1	1	1	1	
1968										3	11	23	61	74	37	21	20	12	14	16	11	8	10	3	8	4	6	5	9	4	3	2			1		
1969									4	7	41	13	14	18	26	22	48	28	31	28	19	16	9	8	4	11	4	3	4	3	1		2	1			
1970										12	67	45	31	41	33	17	18	13	12	10	14	10	8	7	7	8	6	3	2	1							
1971										22	28	20	27	22	43	37	25	30	23	15	16	11	12	5	9	3	5	3	6	2	1						
1972										6	24	48	54	32	30	17	12	23	16	18	19	14	9	8	6	5	8	7	7	2	1						
1973											5	8	14	19	19	17	37	33	38	30	30	21	22	17	10	14	8	14	6	3							
1974											54	50	25	18	12	22	35	23	21	20	17	12	7	9	5	3	4	10	7	7	3	1					
1975											16	14	23	35	33	20	41	32	32	27	15	19	10	12	8	10	4	7	4	2	1						

## 03328000 EEL RIVER AT NORTH MANCHESTER, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976		9	29	8	24	52	44	37	29	35	17	13	13	11	7	6	7		2	2	5	6	7	2	1					
1977	9	26	23	45	45	27	32	24	13	13	17	16	9	7	9	7	15	3	6	6	3	5	3	2						
1978			4	10	35	27	26	57	41	24	27	19	10	11	7	8	5	4	4	8	5	5	11	10	3	2	2			
1979			30	38	54	29	33	32	17	7	16	15	13	9	18	11	11	4	8	4	4	1	4	4	1	2				
1980				18	32	22	26	42	37	32	26	18	19	12	11	9	10	12	11	4	6	5	7	4	1	2				
1981					10	29	50	34	47	29	25	16	19	21	9	13	9	8	6	7	7	7	4	3	6	2	3	1		
1982					1	41	18	25	25	17	13	46	40	24	19	11	18	9	13	4	9	5	7	6	3	2	1	2	3	3
1983			7	46	37	17	9	18	9	31	43	27	20	17	11	12	9	7	5	11	3	12	6	4	2	1	1			
1984			11	13	24	23	20	40	37	36	29	19	12	10	15	13	12	8	9	8	2	7	8	6	3	1				
1985				8	41	21	24	41	51	21	25	19	14	19	15	8	7	4	8	9	4	7	6	4	3	1	1	2	1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20089	100.00	12	120.0	1763	12492	62.18	24	1100.0	397	1512	7.53
1	16.0	5	20089	100.00	13	150.0	1479	10729	53.41	25	1400.0	244	1115	5.55
2	19.0	4	20084	99.98	14	180.0	1048	9250	46.05	26	1600.0	298	871	4.34
3	23.0	23	20080	99.96	15	210.0	1415	8202	40.83	27	2000.0	214	573	2.85
4	28.0	70	20057	99.84	16	260.0	1011	6787	33.78	28	2400.0	170	359	1.79
5	34.0	140	19987	99.49	17	310.0	885	5776	28.75	29	2900.0	78	189	0.94
6	40.0	393	19847	98.80	18	370.0	831	4891	24.35	30	3400.0	58	111	0.55
7	49.0	887	19454	96.84	19	450.0	680	4060	20.21	31	4100.0	25	53	0.26
8	59.0	1338	18567	92.42	20	540.0	620	3380	16.83	32	5000.0	18	28	0.14
9	70.0	1770	17229	85.76	21	650.0	492	2760	13.74	33	6000.0	8	10	0.05
10	85.0	1407	15459	76.95	22	780.0	436	2268	11.29	34	7200.0	2	2	0.01
11	100.0	1560	14052	69.95	23	940.0	320	1832	9.12					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	53.2
P90 =	63.0
P75 =	89.2
P70 =	99.9
P50 =	164.0
P25 =	361.0
P10 =	875.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1931	34.00 12	34.00 9	37.00 9	41.00 10	44.00 10	61.00 15	64.00 14	71.00 15	73.00 9
1932	22.00 3	27.00 3	31.00 2	38.00 7	42.00 4	51.00 11	54.00 9	61.00 9	76.00 11
1933	42.00 17	47.00 19	51.00 19	55.00 20	59.00 20	126.00 49	142.00 45	157.00 42	181.00 37
1934	55.00 29	55.00 24	59.00 29	60.00 26	66.00 26	78.00 27	103.00 36	113.00 31	143.00 31
1935	29.00 7	31.00 4	34.00 7	36.00 5	43.00 7	50.00 9	53.00 6	57.00 7	63.00 6
1936	57.00 32	65.00 40	69.00 41	75.00 39	85.00 41	90.00 34	133.00 43	144.00 39	156.00 34
1937	29.00 8	32.00 7	33.00 5	35.00 4	44.00 8	47.00 3	55.00 10	68.00 13	131.00 27
1938	50.00 24	55.00 25	57.00 26	65.00 32	67.00 27	81.00 29	90.00 27	94.00 23	126.00 23
1939	39.00 15	42.00 14	45.00 15	53.00 18	60.00 21	78.00 28	85.00 24	97.00 25	115.00 20
1940	28.00 6	36.00 10	41.00 12	44.00 12	44.00 9	48.00 5	52.00 5	53.00 3	75.00 10
1941	26.00 5	34.00 8	37.00 10	41.00 11	42.00 5	47.00 4	54.00 7	61.00 10	81.00 12
1942	17.00 2	20.00 1	23.00 1	25.00 1	27.00 1	29.00 1	33.00 1	42.00 1	64.00 7
1943	57.00 33	60.00 34	64.00 34	77.00 40	107.00 54	146.00 54	173.00 53	186.00 52	204.00 42
1944	60.00 38	63.00 38	66.00 37	69.00 35	76.00 36	86.00 31	95.00 32	119.00 34	132.00 28
1945	35.00 13	36.00 11	36.00 8	38.00 8	42.00 2	47.00 2	51.00 3	54.00 4	57.00 2
1946	76.00 50	79.00 52	80.00 50	83.00 51	106.00 53	126.00 50	229.00 55	238.00 55	260.00 51
1947	25.00 4	27.00 2	33.00 6	37.00 6	45.00 11	51.00 10	58.00 12	64.00 11	90.00 15
1948	59.00 35	60.00 35	61.00 31	63.00 29	79.00 37	106.00 43	103.00 37	114.00 33	151.00 32
1949	50.00 25	50.00 21	54.00 22	55.00 19	58.00 16	61.00 16	69.00 19	79.00 21	99.00 18
1950	60.00 39	62.00 36	67.00 39	69.00 36	88.00 45	95.00 38	114.00 38	161.00 45	185.00 39
1951	81.00 53	85.00 53	86.00 53	87.00 52	95.00 50	115.00 46	157.00 49	180.00 51	283.00 53
1952	78.00 52	78.00 51	80.00 51	89.00 53	95.00 51	107.00 44	157.00 50	210.00 54	317.00 55
1953	73.00 47	75.00 47	76.00 44	77.00 41	86.00 42	90.00 35	97.00 33	107.00 29	128.00 26
1954	32.00 11	43.00 15	46.00 16	48.00 14	50.00 14	52.00 12	54.00 8	56.00 5	62.00 4
1955	42.00 18	43.00 16	45.00 13	51.00 15	59.00 17	126.00 51	136.00 44	132.00 37	211.00 45
1956	59.00 36	59.00 33	61.00 32	63.00 30	68.00 28	90.00 36	120.00 39	159.00 43	171.00 36
1957	16.00 1	38.00 13	48.00 17	52.00 16	56.00 15	59.00 13	64.00 13	71.00 14	82.00 13
1958	42.00 19	56.00 29	64.00 35	69.00 37	74.00 34	83.00 30	88.00 25	130.00 36	218.00 47
1959	63.00 40	73.00 46	80.00 52	82.00 50	89.00 46	116.00 47	155.00 48	176.00 49	285.00 54
1960	54.00 26	55.00 26	57.00 27	60.00 27	71.00 31	75.00 23	91.00 29	99.00 27	191.00 40

## 03328000 EEL RIVER AT NORTH MANCHESTER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	46.00 20	47.00 20	53.00 20	56.00 21	59.00 18	59.00 14	66.00 15	66.00 12	69.00 8
1962	48.00 22	56.00 30	62.00 33	67.00 33	75.00 35	121.00 48	122.00 41	167.00 46	168.00 35
1963	41.00 16	43.00 17	45.00 14	47.00 13	47.00 12	49.00 6	52.00 4	56.00 6	58.00 3
1964	31.00 9	31.00 5	32.00 3	35.00 2	43.00 6	49.00 7	50.00 2	50.00 2	56.00 1
1965	47.00 21	47.00 18	48.00 18	52.00 17	59.00 19	68.00 20	78.00 23	97.00 26	127.00 24
1966	50.00 23	52.00 22	56.00 24	58.00 24	63.00 25	76.00 25	74.00 21	77.00 19	86.00 14
1967	31.00 10	31.00 6	33.00 4	35.00 3	48.00 13	66.00 19	69.00 20	78.00 20	134.00 29
1968	72.00 46	72.00 44	76.00 45	79.00 44	82.00 39	87.00 32	94.00 31	104.00 28	123.00 21
1969	75.00 48	77.00 49	78.00 49	80.00 49	88.00 43	100.00 39	121.00 40	136.00 38	218.00 48
1970	58.00 34	58.00 32	59.00 30	64.00 31	72.00 32	77.00 26	90.00 28	113.00 32	141.00 30
1971	64.00 41	65.00 41	67.00 40	70.00 38	74.00 33	103.00 42	100.00 34	112.00 30	155.00 33
1972	55.00 30	55.00 27	55.00 23	57.00 22	60.00 22	69.00 21	68.00 18	72.00 16	92.00 17
1973	71.00 43	72.00 45	75.00 43	78.00 42	93.00 48	143.00 53	132.00 42	147.00 40	272.00 52
1974	77.00 51	77.00 50	77.00 46	79.00 45	88.00 44	91.00 37	102.00 35	159.00 44	209.00 43
1975	76.00 49	76.00 48	77.00 47	78.00 43	80.00 38	90.00 33	89.00 26	94.00 22	127.00 25
1976	84.00 54	88.00 54	93.00 54	95.00 54	102.00 52	114.00 45	161.00 52	169.00 47	241.00 50
1977	35.00 14	36.00 12	38.00 11	40.00 9	42.00 3	49.00 8	56.00 11	59.00 8	63.00 5
1978	71.00 44	71.00 42	72.00 42	80.00 46	91.00 47	129.00 52	159.00 51	169.00 48	210.00 44
1979	56.00 31	57.00 31	58.00 28	59.00 25	60.00 23	63.00 17	67.00 16	72.00 17	91.00 16
1980	54.00 27	56.00 28	57.00 25	61.00 28	68.00 29	75.00 24	92.00 30	125.00 35	124.00 22
1981	60.00 37	62.00 37	66.00 38	80.00 47	94.00 49	101.00 41	143.00 46	154.00 41	183.00 38
1982	92.00 55	94.00 55	98.00 55	112.00 55	141.00 55	176.00 55	198.00 54	202.00 53	222.00 49
1983	64.00 42	64.00 39	65.00 36	67.00 34	70.00 30	73.00 22	78.00 22	95.00 24	201.00 41
1984	54.00 28	54.00 23	54.00 21	57.00 23	61.00 24	63.00 18	68.00 17	73.00 18	108.00 19
1985	72.00 45	72.00 43	77.00 48	80.00 48	85.00 40	100.00 40	148.00 47	180.00 50	213.00 46

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1931	550.00 55	522.00 55	441.00 55	417.00 54	355.00 54	238.00 55	197.00 55	173.00 55	141.00 55
1932	1880.00 51	1660.00 51	1360.00 49	1050.00 47	786.00 44	592.00 46	514.00 46	460.00 46	391.00 46
1933	3780.00 26	2910.00 31	2270.00 27	1780.00 23	1400.00 20	1210.00 11	990.00 13	851.00 15	780.00 12
1934	1560.00 53	1470.00 52	1330.00 50	922.00 50	678.00 50	481.00 51	361.00 52	320.00 53	249.00 53
1935	3920.00 20	3070.00 30	1660.00 42	1170.00 42	771.00 46	599.00 45	550.00 44	476.00 45	396.00 45
1936	6120.00 6	5110.00 5	3940.00 6	2390.00 12	1490.00 13	949.00 29	792.00 31	641.00 35	485.00 38
1937	5310.00 9	3790.00 16	2540.00 24	1580.00 33	1240.00 28	987.00 28	787.00 32	833.00 17	734.00 16
1938	7050.00 3	5670.00 4	4310.00 4	2610.00 9	1450.00 14	1010.00 26	884.00 19	888.00 11	773.00 13
1939	4300.00 17	3230.00 25	2290.00 26	1860.00 21	1670.00 11	1140.00 14	1010.00 10	808.00 18	615.00 23
1940	2880.00 39	2160.00 46	1480.00 47	890.00 51	596.00 53	536.00 49	447.00 48	386.00 49	314.00 50
1941	880.00 54	715.00 54	573.00 54	384.00 55	315.00 55	255.00 54	221.00 54	206.00 54	193.00 54
1942	2780.00 41	2320.00 40	1730.00 39	1570.00 34	974.00 39	918.00 31	793.00 29	627.00 37	499.00 37
1943	5000.00 12	4270.00 11	3400.00 13	3140.00 3	2130.00 5	1240.00 8	1110.00 5	939.00 6	804.00 3
1944	4850.00 13	4160.00 13	3600.00 7	2690.00 7	1830.00 8	1290.00 5	1070.00 8	871.00 14	602.00 25
1945	3840.00 24	3420.00 23	2690.00 21	1600.00 31	986.00 38	873.00 33	772.00 33	664.00 32	540.00 31
1946	3280.00 33	2350.00 39	1640.00 44	1060.00 44	671.00 51	623.00 44	587.00 42	485.00 44	427.00 41
1947	3000.00 36	2440.00 38	1540.00 46	1040.00 48	916.00 43	740.00 39	687.00 36	575.00 39	500.00 36
1948	3840.00 25	3220.00 26	2080.00 30	1650.00 29	1200.00 31	1080.00 21	907.00 17	741.00 24	591.00 26
1949	4760.00 14	4150.00 14	2770.00 19	1750.00 24	1340.00 23	1220.00 9	934.00 15	766.00 19	618.00 22
1950	5700.00 8	5060.00 6	3530.00 9	3130.00 4	2320.00 3	1900.00 1	1680.00 1	1740.00 1	1320.00 1
1951	4000.00 18	3560.00 17	2780.00 18	2020.00 18	1440.00 16	1110.00 17	956.00 14	883.00 12	789.00 8
1952	3920.00 19	3100.00 29	2050.00 31	1690.00 26	1440.00 17	1090.00 18	1000.00 12	941.00 5	801.00 5
1953	2080.00 50	1830.00 50	1130.00 52	1060.00 45	781.00 45	587.00 47	495.00 47	458.00 47	367.00 47
1954	1580.00 52	1300.00 53	923.00 53	742.00 53	661.00 52	481.00 52	389.00 50	336.00 50	273.00 51
1955	3600.00 30	3460.00 20	3030.00 15	1970.00 19	1210.00 30	766.00 37	689.00 35	650.00 33	634.00 19
1956	2820.00 40	2610.00 35	2130.00 29	1600.00 32	1010.00 36	691.00 43	748.00 34	668.00 31	511.00 35
1957	3590.00 31	3430.00 21	3150.00 14	2420.00 11	1780.00 10	1070.00 22	834.00 24	709.00 26	575.00 29
1958	3240.00 34	2840.00 32	1830.00 36	1530.00 35	1070.00 34	701.00 41	576.00 43	512.00 41	421.00 42
1959	5960.00 7	4530.00 10	3950.00 5	2590.00 10	1840.00 7	1290.00 6	1150.00 3	1030.00 4	802.00 4
1960	2510.00 46	2300.00 41	1750.00 37	1060.00 46	992.00 37	699.00 42	648.00 40	641.00 36	583.00 27
1961	2460.00 49	2190.00 45	2020.00 32	1790.00 22	1360.00 21	1090.00 19	932.00 16	746.00 23	566.00 30
1962	3660.00 28	3130.00 28	2230.00 28	1730.00 25	1340.00 24	991.00 27	828.00 25	686.00 28	536.00 32
1963	3200.00 35	2730.00 34	1910.00 34	1180.00 41	748.00 47	516.00 50	384.00 51	326.00 51	255.00 52
1964	3900.00 21	2290.00 42	1250.00 51	815.00 52	700.00 49	552.00 48	425.00 49	421.00 48	318.00 49
1965	2960.00 37	2750.00 33	1720.00 40	1110.00 43	927.00 42	897.00 32	802.00 27	704.00 27	527.00 33

## 03328000 EEL RIVER AT NORTH MANCHESTER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	2500.00	47	1840.00	49	1420.00	48	955.00	49	716.00	48	437.00	53	359.00	53	324.00	52	325.00	48
1967	7220.00	2	6390.00	3	4750.00	3	3060.00	5	1870.00	6	1150.00	12	875.00	20	910.00	7	798.00	6
1968	7040.00	4	4990.00	7	3570.00	8	2280.00	14	1550.00	12	1290.00	7	1010.00	11	878.00	13	784.00	10
1969	5110.00	10	4760.00	8	3460.00	11	2050.00	17	1420.00	18	1020.00	25	801.00	28	722.00	25	633.00	20
1970	2520.00	45	2250.00	44	1650.00	43	1320.00	37	958.00	40	812.00	36	656.00	38	594.00	38	454.00	40
1971	2590.00	44	2100.00	47	1730.00	38	1210.00	39	955.00	41	718.00	40	528.00	45	495.00	43	417.00	43
1972	2460.00	48	2100.00	48	1980.00	33	1520.00	36	1110.00	32	856.00	34	654.00	39	524.00	40	455.00	39
1973	2770.00	42	2590.00	36	1830.00	35	1610.00	30	1240.00	29	937.00	30	792.00	30	753.00	21	765.00	14
1974	3740.00	27	3490.00	18	2950.00	16	2270.00	15	1320.00	27	1220.00	10	1040.00	9	904.00	8	734.00	15
1975	2930.00	38	2580.00	37	1690.00	41	1280.00	38	1080.00	33	755.00	38	663.00	37	647.00	34	631.00	21
1976	3650.00	29	3260.00	24	2950.00	17	2620.00	8	1810.00	9	1120.00	15	837.00	23	749.00	22	579.00	28
1977	2630.00	43	2290.00	43	1620.00	45	1190.00	40	1050.00	35	815.00	35	629.00	41	499.00	42	400.00	44
1978	4490.00	15	4220.00	12	3480.00	10	2950.00	6	2360.00	2	1470.00	4	1110.00	6	890.00	10	788.00	9
1979	3890.00	22	3460.00	19	2690.00	22	1860.00	20	1360.00	22	1110.00	16	858.00	22	677.00	30	512.00	34
1980	3860.00	23	3430.00	22	2400.00	25	1680.00	27	1450.00	15	1050.00	24	862.00	21	761.00	20	614.00	24
1981	5060.00	11	4560.00	9	3450.00	12	2310.00	13	1400.00	19	1150.00	13	1080.00	7	901.00	9	781.00	11
1982	6840.00	5	6420.00	2	5830.00	1	4210.00	1	2510.00	1	1820.00	2	1410.00	2	1190.00	2	919.00	2
1983	4300.00	16	3810.00	15	2670.00	23	1680.00	28	1330.00	25	1090.00	20	803.00	26	683.00	29	702.00	17
1984	3450.00	32	3190.00	27	2730.00	20	2120.00	16	1330.00	26	1070.00	23	899.00	18	838.00	16	683.00	18
1985	7730.00	1	6490.00	1	5080.00	2	3490.00	2	2170.00	4	1590.00	3	1120.00	4	1040.00	3	789.00	7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1931	133.00	2
1932	217.00	10
1933	373.00	30
1934	298.00	16
1935	190.00	6
1936	363.00	27
1937	372.00	29
1938	365.00	28
1939	499.00	49
1940	229.00	11
1941	161.00	5
1942	247.00	14
1943	384.00	31
1944	432.00	39
1945	325.00	20
1946	438.00	40
1947	196.00	7
1948	404.00	35
1949	392.00	32
1950	617.00	54
1951	588.00	53
1952	547.00	51
1953	327.00	21
1954	148.00	3
1955	424.00	36
1956	320.00	18
1957	240.00	13
1958	449.00	43
1959	469.00	46
1960	401.00	33
1961	297.00	15
1962	446.00	42
1963	153.00	4
1964	125.00	1
1965	327.00	22
1966	229.00	12
1967	444.00	41
1968	430.00	38
1969	451.00	44
1970	306.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1931	103.00	55
1932	268.00	45
1933	477.00	9
1934	172.00	52
1935	273.00	44
1936	288.00	42
1937	477.00	10
1938	453.00	15
1939	357.00	28
1940	186.00	50
1941	127.00	54
1942	324.00	32
1943	563.00	2
1944	349.00	29
1945	317.00	35
1946	282.00	43
1947	302.00	39
1948	361.00	26
1949	372.00	25
1950	783.00	1
1951	535.00	5
1952	506.00	6
1953	227.00	47
1954	176.00	51
1955	431.00	19
1956	359.00	27
1957	329.00	31
1958	383.00	24
1959	472.00	12
1960	389.00	23
1961	323.00	33
1962	317.00	34
1963	157.00	53
1964	189.00	49
1965	315.00	36
1966	207.00	48
1967	468.00	13
1968	505.00	7
1969	420.00	20
1970	290.00	40

03328000 EEL RIVER AT NORTH MANCHESTER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	358.00	26
1972	207.00	9
1973	550.00	52
1974	486.00	48
1975	324.00	19
1976	485.00	47
1977	206.00	8
1978	428.00	37
1979	348.00	24
1980	338.00	23
1981	352.00	25
1982	691.00	55
1983	402.00	34
1984	460.00	45
1985	518.00	50

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	290.00	41
1972	310.00	38
1973	543.00	3
1974	432.00	17
1975	414.00	21
1976	347.00	30
1977	265.00	46
1978	457.00	14
1979	314.00	37
1980	400.00	22
1981	478.00	8
1982	542.00	4
1983	433.00	16
1984	431.00	18
1985	474.00	11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1930	*	*	*	*	*	*	452.00	158.00	87.90	45.00	130.00	61.70
1931	70.20	61.40	96.70	73.20	114.00	253.00	212.00	86.10	110.00	58.60	57.00	49.70
1932	102.00	199.00	214.00	735.00	436.00	353.00	301.00	212.00	199.00	196.00	60.60	210.00
1933	228.00	303.00	828.00	573.00	379.00	969.00	763.00	1113.0	122.00	124.00	76.20	221.00
1934	232.00	115.00	108.00	203.00	113.00	365.00	587.00	101.00	68.10	47.10	55.90	66.40
1935	67.00	82.00	77.50	378.00	286.00	472.00	358.00	718.00	133.00	94.80	502.00	96.20
1936	86.60	220.00	174.00	219.00	913.00	858.00	293.00	427.00	120.00	56.10	46.10	74.30
1937	178.00	825.00	214.00	1158.0	722.00	378.00	1029.0	574.00	221.00	272.00	96.60	92.40
1938	99.80	109.00	190.00	321.00	683.00	721.00	1106.0	337.00	1044.0	638.00	136.00	95.80
1939	64.30	131.00	96.70	171.00	1170.0	1073.0	822.00	189.00	317.00	173.00	109.00	46.10
1940	55.60	53.40	58.60	172.00	217.00	547.00	498.00	219.00	229.00	89.60	44.40	50.60
1941	68.20	81.10	155.00	162.00	137.00	200.00	304.00	126.00	187.00	44.20	30.70	27.60
1942	66.00	131.00	137.00	123.00	906.00	929.00	543.00	116.00	368.00	158.00	291.00	174.00
1943	129.00	493.00	532.00	511.00	500.00	809.00	327.00	2021.0	281.00	677.00	226.00	215.00
1944	91.70	203.00	106.00	77.00	304.00	629.00	1712.0	752.00	155.00	71.70	59.00	43.60
1945	51.90	66.00	59.90	61.50	280.00	608.00	801.00	867.00	245.00	160.00	408.00	199.00
1946	530.00	144.00	235.00	546.00	629.00	499.00	141.00	194.00	218.00	128.00	74.80	56.10
1947	46.20	83.30	157.00	418.00	373.00	475.00	816.00	492.00	420.00	140.00	79.90	143.00
1948	131.00	177.00	233.00	443.00	747.00	1041.0	534.00	555.00	204.00	120.00	87.50	64.70
1949	57.70	119.00	300.00	1246.0	1127.0	333.00	243.00	370.00	336.00	179.00	101.00	98.80
1950	319.00	127.00	689.00	2258.0	1249.0	1445.0	1616.0	282.00	684.00	304.00	208.00	242.00
1951	98.50	259.00	704.00	787.00	1216.0	726.00	827.00	450.00	300.00	767.00	233.00	102.00
1952	184.00	339.00	431.00	1377.0	710.00	839.00	751.00	630.00	416.00	161.00	132.00	105.00
1953	92.40	112.00	167.00	322.00	307.00	729.00	396.00	283.00	107.00	81.50	76.30	55.40
1954	52.00	55.70	65.80	100.00	137.00	370.00	591.00	154.00	179.00	130.00	213.00	61.50
1955	1165.0	269.00	405.00	569.00	388.00	945.00	528.00	223.00	168.00	264.00	150.00	68.40
1956	157.00	723.00	171.00	115.00	639.00	662.00	414.00	893.00	256.00	120.00	110.00	62.00
1957	59.50	76.30	102.00	226.00	343.00	222.00	1768.0	357.00	375.00	276.00	87.20	93.20
1958	215.00	305.00	955.00	317.00	305.00	340.00	185.00	102.00	520.00	427.00	736.00	169.00
1959	96.40	272.00	168.00	670.00	1772.0	618.00	963.00	511.00	376.00	175.00	81.60	76.50
1960	115.00	388.00	442.00	647.00	618.00	442.00	742.00	366.00	575.00	184.00	95.10	77.50
1961	64.30	77.60	64.70	59.10	228.00	1032.0	1091.0	555.00	146.00	192.00	240.00	122.00
1962	131.00	261.00	202.00	677.00	593.00	1154.0	257.00	229.00	126.00	72.20	54.50	55.80
1963	78.50	62.40	54.80	47.20	79.50	711.00	287.00	121.00	131.00	184.00	65.00	50.30
1964	48.20	54.90	49.40	73.50	62.00	366.00	687.00	209.00	212.00	365.00	69.20	67.00
1965	124.00	156.00	153.00	423.00	637.00	843.00	887.00	252.00	94.30	81.10	79.50	78.70
1966	90.40	107.00	376.00	282.00	218.00	203.00	226.00	630.00	97.50	96.10	78.70	66.00
1967	72.40	512.00	1717.0	186.00	591.00	1044.0	641.00	425.00	140.00	109.00	83.10	93.20
1968	136.00	175.00	1489.0	543.00	960.00	373.00	582.00	739.00	574.00	213.00	182.00	104.00
1969	99.90	296.00	564.00	1049.0	699.00	332.00	559.00	431.00	459.00	401.00	92.90	77.80
1970	105.00	342.00	136.00	208.00	298.00	571.00	872.00	499.00	123.00	91.40	118.00	133.00

03328000 EEL RIVER AT NORTH MANCHESTER, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	218.00	386.00	324.00	139.00	952.00	508.00	163.00	284.00	328.00	97.40	59.80	81.20
1972	76.30	73.40	429.00	241.00	101.00	539.00	1077.0	328.00	127.00	174.00	112.00	449.00
1973	453.00	1037.0	686.00	629.00	387.00	1141.0	700.00	256.00	519.00	219.00	374.00	106.00
1974	88.20	216.00	613.00	1206.0	676.00	861.00	468.00	494.00	257.00	117.00	86.80	98.30
1975	84.80	155.00	330.00	653.00	709.00	465.00	540.00	391.00	1058.0	183.00	193.00	250.00
1976	104.00	178.00	546.00	221.00	1539.0	690.00	293.00	192.00	182.00	125.00	87.20	62.20
1977	76.10	67.10	62.10	43.20	304.00	979.00	514.00	164.00	97.20	253.00	199.00	431.00
1978	145.00	198.00	1099.0	211.00	139.00	1641.0	1192.0	413.00	156.00	102.00	83.30	71.40
1979	60.70	83.70	217.00	217.00	265.00	1316.0	770.00	284.00	121.00	119.00	227.00	74.30
1980	77.30	214.00	482.00	225.00	303.00	1156.0	798.00	226.00	678.00	107.00	279.00	259.00
1981	101.00	102.00	295.00	144.00	1049.0	270.00	945.00	855.00	1376.0	265.00	147.00	271.00
1982	209.00	238.00	213.00	570.00	784.00	2425.0	919.00	336.00	486.00	165.00	87.90	76.90
1983	70.00	662.00	1062.0	270.00	337.00	368.00	1106.0	901.00	177.00	108.00	72.80	63.80
1984	73.90	218.00	677.00	147.00	837.00	1151.0	658.00	625.00	261.00	268.00	173.00	89.70
1985	215.00	315.00	486.00	608.00	1333.0	1234.0	825.00	203.00	202.00	87.90	134.00	113.00

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

70.00

83.70

136.00

162.00

286.00

373.00

## FIFTIETH PERCENTILE

96.40

177.00

217.00

282.00

500.00

662.00

## SEVENTY FIFTH PERCENTILE

145.00

296.00

532.00

608.00

784.00

979.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

368.00

210.00

132.00

96.40

76.20

64.00

## FIFTIETH PERCENTILE

616.00

347.00

215.00

149.00

95.80

85.40

## SEVENTY FIFTH PERCENTILE

861.00

555.00

376.00

218.00

190.00

130.00



## 03328430 WEESAU CREEK NEAR DEEDSVILLE, IN

LOCATION.--Lat 40°54'34", long 86°07'36", in NW¼NW¼ sec.6, T.28 N., R.4 E., Miami County, Hydrologic Unit 05120104, on left bank 100 ft downstream from bridge on County Road 1000 North, and 1.5 mi west of Deedsville.

DRAINAGE AREA.--8.87 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 785.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 9.85 ft<sup>3</sup>/s, 15.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 471 ft<sup>3</sup>/s Feb. 23, 1985, gage height, 7.01 ft; maximum gage height, 7.37 ft Mar. 13, 1982; minimum daily discharge, 0.26 ft<sup>3</sup>/s Feb. 1, 1977.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1971									68	22	31	22	17	19	35	34	31	19	11	11	15	6	5	7	4	7						1					
1972									39	48	25	18	19	34	24	27	32	24	10	17	13	6	5	11	7	2	4		1								
1973						6	23	26	15	6	6	2	9	5	11	37	45	23	36	35	23	13	12	15	11	3	1	2									
1974					7	19	20	29	24	31	18	11	10	10	14	8	10	16	27	16	24	19	14	9	10	4	5	3	4	2	1						
1975					10	2	18	5	14	6	7	33	21	30	26	24	31	20	16	20	18	18	9	10	9	8	3	4	2			1					
1976					11	22	14	13	9	18	15	18	30	33	30	36	18	13	19	21	13	8	2	5	3	2	6	1	5	1							
1977	35	15	4	9	33	35	26	27	20	19	15	12	16	14	10	13	10	6	11	11	6	3	5		4	4		2									
1978								24	15	30	53	26	37	36	32	24	16	9	10	9	12	2	6	5	6	5	5	5	2					1			
1979					7	30	36	22	11	59	49	19	14	9	13	12	16	8	11	7	15	3	6	5	5	5	3	3		1		1					
1980						15	67	21	13	20	29	19	47	35	20	12	8	13	8	6	10	6	2	4	6	1	1	2	1								
1981						24	62	47	17	25	32	16	16	21	25	20	10	8	6	8	6	4	6	2	2	3	1	3		1							
1982					12	16	23	24	39	23	14	14	25	41	29	17	22	7	10	8	8	5	5	4	5	1	4	4	1	1	2					1	
1983		4	9	11	20	13	13	7	10	15	41	12	27	36	29	21	14	8	15	11	9	4	6	8	5	7	4	2	1	2			1				
1984		8	12	1	2	22	34	12	17	31	17	29	26	22	16	14	10	10	11	12	7	10	9	8	8	8	2	1	3	3	1						
1985						6	3	17	29	21	38	26	43	28	25	19	14	7	14	11	7	9	5	7	10	8	3	5	4	1	3			1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	2.8	282	3259	59.48	24	36.0	83	333	6.08
1	0.26	35	5479	100.00	13	3.4	362	2977	54.33	25	45.0	84	250	4.56
2	0.32	27	5444	99.36	14	4.3	382	2615	47.73	26	56.0	64	166	3.03
3	0.40	32	5417	98.87	15	5.3	356	2233	40.76	27	69.0	33	102	1.86
4	0.50	61	5385	98.28	16	6.5	325	1877	34.26	28	86.0	32	69	1.26
5	0.61	118	5324	97.17	17	8.1	272	1552	28.33	29	110.0	14	37	0.68
6	0.76	213	5206	95.02	18	10.0	166	1280	23.36	30	130.0	11	23	0.42
7	0.94	277	4993	91.13	19	12.0	230	1114	20.33	31	160.0	8	12	0.22
8	1.2	434	4716	86.07	20	15.0	198	884	16.13	32	200.0	1	4	0.07
9	1.5	306	4282	78.15	21	19.0	151	686	12.52	33	250.0	1	3	0.05
10	1.8	331	3976	72.57	22	24.0	93	535	9.76	34	310.0	2	2	0.04
11	2.2	386	3645	66.53	23	29.0	109	442	8.07					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.76  
P90 = 1.0  
P75 = 1.7  
P70 = 2.0  
P50 = 4.0  
P25 = 9.4  
P10 = 23.6

## 03328430 WEESAU CREEK NEAR DEEDSVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	1.19 12	1.19 12	1.19 12	1.30 12	1.30 12	1.30 11	1.70 11	2.00 10	2.60 8
1973	1.30 13	1.30 13	1.30 13	1.40 13	1.50 13	1.80 12	2.80 13	3.50 13	7.10 13
1974	0.80 8	0.81 8	0.82 8	0.83 9	0.94 8	1.19 8	1.10 5	1.30 5	2.00 4
1975	0.49 4	0.49 4	0.50 4	0.52 3	0.57 3	0.65 3	0.71 2	0.85 2	1.40 2
1976	1.90 14	2.00 14	2.30 14	2.60 14	3.30 14	5.50 14	8.20 14	8.40 14	9.50 14
1977	0.26 1	0.27 1	0.27 1	0.28 1	0.28 1	0.36 1	0.55 1	0.69 1	0.73 1
1978	0.47 3	0.47 3	0.49 3	0.55 4	0.75 5	2.00 13	2.20 12	3.00 12	4.20 11
1979	0.70 6	0.72 6	0.75 6	0.76 6	0.81 6	1.00 6	1.19 6	1.30 6	2.30 7
1980	0.96 11	0.96 11	0.97 11	0.98 10	1.10 10	1.19 9	1.40 9	2.20 11	2.70 9
1981	0.92 10	0.93 10	0.96 10	1.00 11	1.10 11	1.19 10	1.40 10	1.60 7	2.00 5
1982	0.80 9	0.81 9	0.82 9	0.82 7	0.95 9	1.10 7	1.30 7	1.60 8	2.00 6
1983	0.57 5	0.59 5	0.62 5	0.67 5	0.70 4	0.78 4	0.90 3	1.19 3	3.30 10
1984	0.35 2	0.35 2	0.35 2	0.36 2	0.40 2	0.57 2	0.93 4	1.30 4	1.90 3
1985	0.72 7	0.75 7	0.79 7	0.82 8	0.86 7	0.94 5	1.40 8	1.70 9	4.60 12

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	158.00 7	88.00 11	45.00 13	28.00 15	26.00 13	20.00 13	14.00 14	13.00 13	11.00 14
1972	87.00 15	61.00 15	42.00 14	31.00 13	24.00 14	17.00 15	13.00 15	11.00 15	12.00 13
1973	96.00 14	69.00 13	49.00 11	37.00 11	31.00 9	28.00 5	23.00 4	23.00 4	22.00 2
1974	128.00 11	92.00 9	62.00 9	46.00 8	28.00 11	25.00 10	22.00 8	22.00 5	18.00 6
1975	131.00 10	91.00 10	54.00 10	37.00 12	30.00 10	21.00 11	18.00 11	18.00 9	16.00 7
1976	117.00 12	98.00 7	85.00 3	63.00 4	40.00 5	28.00 6	20.00 9	19.00 6	15.00 10
1977	98.00 13	62.00 14	41.00 15	30.00 14	26.00 12	20.00 12	15.00 12	12.00 14	9.40 15
1978	162.00 6	106.00 6	82.00 5	63.00 5	46.00 3	28.00 7	23.00 5	19.00 7	16.00 8
1979	188.00 4	126.00 5	82.00 6	50.00 7	34.00 7	28.00 8	23.00 6	18.00 10	13.00 11
1980	139.00 8	74.00 12	47.00 12	38.00 9	32.00 8	26.00 9	19.00 10	18.00 11	15.00 9
1981	139.00 9	95.00 8	64.00 8	37.00 10	23.00 15	18.00 14	15.00 13	14.00 12	12.00 12
1982	312.00 2	214.00 2	152.00 2	96.00 2	58.00 2	40.00 2	30.00 2	25.00 3	19.00 4
1983	229.00 3	128.00 4	78.00 7	51.00 6	40.00 6	33.00 3	23.00 7	19.00 8	19.00 5
1984	163.00 5	131.00 3	83.00 4	65.00 3	42.00 4	33.00 4	28.00 3	26.00 2	21.00 3
1985	381.00 1	280.00 1	181.00 1	122.00 1	75.00 1	55.00 1	39.00 1	34.00 1	26.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	5.70 2
1973	14.00 12
1974	10.00 9
1975	8.20 4
1976	14.00 13
1977	4.60 1
1978	8.50 7
1979	8.20 5
1980	8.90 8
1981	6.20 3
1982	12.00 10
1983	8.40 6
1984	13.00 11
1985	16.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	7.60 13
1972	8.10 11
1973	14.00 2
1974	9.80 7
1975	12.00 3
1976	9.00 9
1977	5.50 15
1978	9.70 8
1979	8.00 12
1980	8.80 10
1981	6.80 14
1982	11.00 5
1983	11.00 6
1984	12.00 4
1985	16.00 1

03328430 WEESAU CREEK NEAR DEEDSVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	7.79	11.10	6.38	2.60	26.00	13.90	4.60	5.51	8.83	1.41	1.29	3.75
1972	2.26	2.16	19.50	7.29	3.92	7.62	23.00	8.50	5.61	2.12	1.69	14.20
1973	11.70	23.40	20.00	18.60	14.10	28.50	26.00	8.63	8.16	2.24	1.69	1.07
1974	1.29	2.38	12.00	25.80	16.00	17.10	18.30	18.80	3.68	1.36	0.80	0.59
1975	0.79	2.04	6.49	14.70	18.70	13.10	12.00	15.00	25.10	8.80	7.73	14.70
1976	4.56	10.50	15.20	5.32	36.00	18.10	7.15	4.31	2.59	3.29	0.93	0.71
1977	1.17	0.95	0.61	0.30	9.27	24.00	8.70	3.30	2.40	1.94	8.50	5.32
1978	3.80	4.79	22.10	3.69	2.62	34.30	19.40	12.50	5.33	3.59	1.72	1.61
1979	0.82	1.23	6.11	4.36	5.92	34.90	21.10	7.91	4.55	4.42	2.88	1.05
1980	1.41	6.61	11.60	7.44	11.60	26.10	17.40	5.52	12.20	1.76	2.20	1.81
1981	1.18	1.17	5.57	2.15	21.30	3.50	9.54	21.30	12.10	2.72	1.15	1.11
1982	2.35	2.79	2.05	12.60	18.50	53.70	15.70	6.69	8.39	2.42	1.16	0.80
1983	0.79	11.00	29.60	6.53	8.02	9.76	34.50	24.60	3.30	2.28	1.38	0.56
1984	1.95	5.24	20.60	2.27	26.50	34.20	21.50	19.70	4.66	2.55	1.18	0.92
1985	4.68	14.70	13.60	16.80	47.60	45.00	23.30	4.94	4.45	6.25	8.34	1.48

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.17	2.04	6.11	2.60	8.02	13.10
FIFTIETH PERCENTILE					
1.95	4.79	12.00	6.53	16.00	24.00
SEVENTY FIFTH PERCENTILE					
4.56	11.00	20.00	14.70	26.00	34.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
9.54	5.51	3.68	1.94	1.16	0.80
FIFTIETH PERCENTILE					
18.30	8.50	5.33	2.42	1.69	1.11
SEVENTY FIFTH PERCENTILE					
23.00	18.80	8.83	3.59	2.88	3.75

## 03328500 EEL RIVER NEAR LOGANSPOET, IN

LOCATION.--Lat 40°46'55", long 86°15'50", in NE¼SE¼ sec.14, T.27 N., R.2 E., Cass County, Hydrologic Unit 05120105, on right bank at downstream side of bridge on Adamsboro Road, 5.5 mi northeast of Logansport, and 7.4 mi upstream from mouth.

DRAINAGE AREA.--789 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1943 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 621.50 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 16, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 747 ft<sup>3</sup>/s, 12.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,700 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 12.68 ft; minimum daily, 70 ft<sup>3</sup>/s Mar. 15, 1960, results of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 13.2 ft, from floodmark, discharge, 17,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1944				6	46	21	45	40	44	26	11	13	4	10	13	9	5	7	20	7	7	5	8	6	2	1	3	4	1	1		1			
1945				80	24	24	16	18	16	16	17	15	26	23	6	15	10	14	5	8	5	7	5	3	4	4	2	1	1						
1946				29	18	19	10	18	38	46	39	26	16	14	16	17	8	14	6	7	5	5	5	3			1	3	1	1					
1947				22	19	41	39	31	38	14	20	14	19	14	17	16	15	16	3	7	4	4	4	5	1	1	1								
1948			2	38	21	27	20	32	27	25	20	20	20	17	14	15	8	15	2	13	4	5	8	3	3	4	1	2							
1949				33	28	29	19	19	20	18	29	16	20	23	17	17	9	9	8	7	6	7	4	5	3	1	7	1	1						
1950				3	2	14	25	34	15	17	15	27	20	15	14	14	21	17	17	14	14	15	10	9	6	9	9	3	3	1	2				
1951					13	23	26	23	25	36	16	32	22	26	19	12	15	12	13	7	8	10	11	5	3	5	1	2							
1952					18	36	25	26	13	21	11	20	32	29	26	13	22	9	17	9	7	7	8	6	7	3	1								
1953				9	41	19	55	19	25	28	14	29	18	25	21	18	14	6	5	2	8	1	4	1	2	1									
1954				6	93	62	32	26	16	28	18	11	10	8	19	6	11	3	9		3	3	1												
1955				3	27	6	14	18	17	28	34	38	29	21	18	18	19	9	15	11	7	8	6	8	2	4	4		1						
1956					23	17	39	29	28	30	16	17	22	17	25	14	20	11	16	8	8	10	6	3	4	3									
1957			11	49	30	31	29	26	13	37	21	20	14	17	9	10	4	9	7	5	3	3	3	4	3	4	3								
1958				2	13	11	25	22	34	35	60	30	26	16	14	13	5	14	6	7	8	7	1	5	4	3	3	1							
1959				1	20	17	53	39	19	23	14	19	7	13	17	15	21	11	22	10	7	8	7	6	5	2	1	6			2				
1960	1	1	7	20	30	15	33	24	18	32	26	39	17	15	17	13	13	7	13	7	5	4	5	1	1	2									
1961				55	42	41	9	27	17	18	32	18	9	12	4	11	4	14	5	11	5	5	9	7	6	1	3								
1962				44	16	27	13	24	25	26	30	28	22	28	17	13	8	9	5	5	7		7	2	2	3	3	1							
1963			11	26	87	75	27	15	21	23	7	14	10	11	5	5	6	5	5	1	4		2	1	2										
1964			16	47	34	56	20	26	12	19	18	8	24	16	16	9	6	9	2	9	3	5	4	2	2	1		1	1						
1965				38	86	33	27	18	11	10	14	11	8	17	10	10	9	9	17	6	7	6	3	8	2	4		1							
1966			10	16	63	27	47	42	34	24	19	20	8	8	8	6	6	6	5	4	3	3	3	2	1										
1967			14	58	15	16	17	18	18	20	15	20	21	18	8	17	12	25	9	9	6	9	6		6	2	1	1	1		1	1	1		
1968			15	1	5	16	28	32	26	54	20	25	20	15	12	11	15	11	10	9	6	8	6	5	4	1	4	3	2	1	1				
1969				7	54	17	13	17	26	35	22	34	24	24	19	22	6	12	6	5	7	3	5	1	2		1	1	1	1					
1970				26	34	44	27	32	28	25	31	25	21	10	8	19	5	7	4	5	5	4	3		1	1									
1971				9	41	20	33	26	28	28	22	33	31	21	16	8	14	6	6	5	3	4	6	3	2										
1972				28	64	37	35	16	25	9	23	18	24	20	7	12	13	8	6	6	5	5	5												
1973				19	5	5	14	21	15	36	39	27	39	26	41	18	15	10	8	10	7	5	2	3											
1974				27	60	38	17	10	14	22	24	25	21	15	13	23	5	9	4	7	6	8	5	5	3	3	1								
1975				29	24	25	18	33	37	29	29	29	21	11	22	9	12	13	7	3	6	4		3	1										
1976				21	21	10	26	62	29	39	39	19	12	11	13	10	19	6	2	3	2	3	1	7	4	4	3								
1977	1	13	15	19	34	48	26	25	34	16	11	15	18	12	10	10	7	12	6	11	2	5	8	3	2										
1978				4	22	23	16	11	18	41	64	25	19	27	12	7	9	8	6	8	5	6	7	5	5	2	2								
1979				70	40	46	37	32	14	11	8	15	12	11	10	9	14	3	7	8		2	3	5	4	1	1	2							
1980				2	24	30	42	38	22	46	22	32	20	8	10	4	9	10	5	11	7	7	7	5	2		2	1							
1981				4	28	65	49	34	34	21	24	15	14	11	4	10	5	7	9	6	6	4	4	2	4	5									
1982				37	26	41	24	29	29	30	27	17	11	9	19	7	9	6	6	9	11	4	2	2		4									
1983				8	31	26	42	8	7	7	28	40	31	25	19	14	8	13	6	7	8	9	7	9	2	5	1	2	1	1					
1984				5	8	43	25	31	36	27	28	26	20	15	14	9	11	13	10	6	7	4	4	6	7	4	3	3	1						
1985				35	26	29	36	30	45	25	17	18	17	14	9	11	8	3	4	5	10	4	5	4	2	3		2		1	1	1			

## 03328500 EEL RIVER NEAR LOGANSPOET, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	430.0	842	6826	44.50	24	3100.0	189	647	4.22
1	70.0	18	15341	100.00	13	500.0	905	5984	39.01	25	3600.0	154	458	2.99
2	83.0	81	15323	99.88	14	590.0	822	5079	33.11	26	4300.0	97	304	1.98
3	97.0	182	15242	99.35	15	700.0	629	4257	27.75	27	5000.0	82	207	1.35
4	110.0	1010	15060	98.17	16	820.0	606	3628	23.65	28	5900.0	66	125	0.81
5	140.0	744	14050	91.58	17	970.0	387	3022	19.70	29	7000.0	27	59	0.38
6	160.0	1092	13306	86.73	18	1100.0	629	2635	17.18	30	8200.0	10	32	0.21
7	190.0	1125	12214	79.62	19	1400.0	294	2006	13.08	31	9700.0	11	22	0.14
8	220.0	1104	11089	72.28	20	1600.0	343	1712	11.16	32	11000.0	7	11	0.07
9	260.0	1124	9985	65.09	21	1900.0	259	1369	8.92	33	13000.0	3	4	0.03
10	310.0	886	8861	57.76	22	2200.0	226	1110	7.24	34	16000.0	1	1	0.01
11	360.0	1149	7975	51.98	23	2600.0	237	884	5.76					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 124.0  
 P90 = 147.0  
 P75 = 209.0  
 P70 = 233.0  
 P50 = 379.0  
 P25 = 781.0  
 P10 = 1760.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	100.00 6	101.00 6	105.00 5	112.00 7	121.00 7	126.00 7	131.00 6	136.00 5	138.00 2
1946	167.00 30	174.00 31	212.00 40	232.00 40	268.00 40	327.00 39	579.00 41	573.00 41	681.00 41
1947	110.00 12	112.00 12	113.00 10	116.00 8	122.00 8	135.00 12	144.00 10	156.00 11	192.00 10
1948	123.00 17	123.00 17	124.00 17	131.00 17	172.00 23	215.00 28	220.00 23	251.00 22	299.00 20
1949	108.00 9	109.00 10	113.00 11	124.00 13	129.00 13	131.00 8	147.00 12	163.00 12	216.00 12
1950	141.00 21	145.00 22	148.00 22	155.00 22	194.00 29	221.00 30	296.00 32	384.00 35	493.00 33
1951	153.00 25	163.00 27	201.00 39	222.00 39	245.00 37	267.00 35	373.00 39	401.00 38	607.00 39
1952	162.00 26	162.00 26	162.00 25	168.00 25	175.00 24	201.00 24	276.00 29	354.00 32	516.00 36
1953	148.00 23	153.00 24	155.00 24	161.00 24	167.00 21	178.00 20	201.00 19	223.00 18	256.00 16
1954	107.00 8	108.00 8	109.00 6	111.00 6	115.00 6	115.00 4	121.00 4	126.00 3	142.00 4
1955	109.00 10	110.00 11	112.00 8	119.00 11	135.00 15	262.00 33	304.00 34	288.00 26	411.00 28
1956	109.00 11	109.00 9	112.00 9	117.00 9	127.00 9	170.00 18	215.00 22	271.00 24	331.00 22
1957	100.00 7	106.00 7	109.00 7	110.00 5	113.00 5	116.00 5	129.00 5	151.00 10	182.00 9
1958	134.00 18	135.00 18	137.00 18	144.00 19	155.00 19	171.00 19	184.00 17	265.00 23	426.00 30
1959	163.00 28	169.00 29	177.00 29	178.00 28	181.00 25	213.00 27	260.00 27	279.00 25	438.00 31
1960	70.00 1	94.00 5	116.00 12	119.00 10	135.00 16	150.00 15	179.00 16	197.00 16	319.00 21
1961	114.00 14	116.00 14	119.00 14	124.00 14	132.00 14	133.00 11	146.00 11	146.00 8	155.00 6
1962	178.00 34	181.00 34	187.00 32	216.00 37	234.00 35	284.00 36	303.00 33	397.00 37	508.00 35
1963	115.00 15	116.00 15	119.00 15	120.00 12	127.00 10	132.00 9	138.00 9	139.00 6	139.00 3
1964	75.00 2	75.00 1	76.00 1	79.00 1	92.00 1	97.00 1	100.00 1	100.00 1	127.00 1
1965	93.00 5	93.00 3	93.00 3	95.00 3	104.00 3	108.00 2	111.00 2	114.00 2	168.00 7
1966	112.00 13	113.00 13	116.00 13	125.00 15	129.00 11	133.00 10	135.00 8	147.00 9	169.00 8
1967	92.00 4	93.00 4	94.00 4	97.00 4	105.00 4	108.00 3	115.00 3	132.00 4	211.00 11
1968	122.00 16	123.00 16	124.00 16	127.00 16	129.00 12	139.00 13	150.00 13	168.00 13	220.00 13
1969	188.00 37	190.00 36	191.00 33	196.00 32	207.00 31	212.00 26	267.00 28	352.00 31	502.00 34
1970	175.00 32	179.00 32	185.00 31	193.00 30	208.00 32	222.00 31	295.00 31	379.00 33	421.00 29
1971	162.00 27	162.00 25	166.00 26	175.00 26	184.00 27	262.00 34	255.00 26	292.00 27	402.00 25
1972	150.00 24	151.00 23	153.00 23	160.00 23	167.00 22	187.00 21	233.00 24	249.00 20	276.00 18
1973	176.00 33	180.00 33	183.00 30	210.00 35	250.00 38	340.00 40	351.00 36	383.00 34	639.00 40
1974	192.00 40	195.00 40	196.00 37	202.00 33	217.00 33	220.00 29	236.00 25	327.00 30	410.00 27
1975	168.00 31	169.00 30	171.00 27	178.00 29	182.00 26	195.00 22	208.00 20	216.00 17	286.00 19
1976	237.00 41	241.00 41	258.00 41	267.00 41	279.00 41	294.00 37	455.00 40	450.00 40	594.00 38
1977	82.00 3	84.00 2	88.00 2	94.00 2	100.00 2	117.00 6	132.00 7	140.00 7	150.00 5
1978	189.00 38	190.00 37	192.00 36	208.00 34	241.00 36	321.00 38	352.00 37	421.00 39	521.00 37
1979	136.00 20	136.00 19	139.00 20	146.00 20	152.00 18	155.00 16	157.00 14	170.00 14	225.00 14
1980	144.00 22	144.00 21	144.00 21	147.00 21	159.00 20	169.00 17	193.00 18	246.00 19	256.00 17
1981	187.00 36	190.00 38	199.00 38	220.00 38	234.00 34	240.00 32	312.00 35	308.00 28	387.00 23
1982	181.00 35	184.00 35	191.00 34	216.00 36	263.00 39	348.00 41	367.00 38	389.00 36	403.00 26
1983	190.00 39	191.00 39	192.00 35	195.00 31	200.00 30	201.00 23	213.00 21	251.00 21	455.00 32
1984	135.00 19	136.00 20	138.00 19	142.00 18	144.00 17	149.00 14	158.00 15	174.00 15	248.00 15
1985	165.00 29	166.00 28	172.00 28	176.00 27	185.00 28	207.00 25	283.00 30	323.00 29	396.00 24

## 03328500 EEL RIVER NEAR LOGANSPOET, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	9780.00 8	8200.00 8	6300.00 8	4820.00 7	3340.00 6	2380.00 7	1990.00 6	1650.00 9	1150.00 21
1945	7600.00 13	6620.00 14	4850.00 18	2870.00 25	1900.00 32	1710.00 25	1590.00 20	1360.00 22	1120.00 23
1946	7600.00 14	5980.00 19	3970.00 22	2300.00 33	1490.00 37	1350.00 35	1290.00 29	1080.00 32	983.00 29
1947	5280.00 36	3990.00 37	2700.00 38	1870.00 39	1470.00 38	1410.00 33	1280.00 30	1060.00 33	938.00 32
1948	5940.00 27	5070.00 27	3720.00 27	2980.00 23	2140.00 25	1910.00 20	1690.00 15	1420.00 18	1130.00 22
1949	9050.00 9	7670.00 9	5120.00 14	3490.00 16	2830.00 10	2580.00 4	1950.00 8	1600.00 12	1400.00 12
1950	12600.00 4	10600.00 4	7130.00 6	6320.00 3	4640.00 2	3800.00 1	3210.00 1	3370.00 1	2590.00 1
1951	7330.00 18	6580.00 15	5170.00 13	3770.00 14	2720.00 13	2210.00 10	1890.00 10	1730.00 7	1520.00 6
1952	5920.00 28	5270.00 24	3520.00 29	3160.00 21	2650.00 14	2050.00 15	1860.00 11	1800.00 5	1600.00 3
1953	3700.00 40	3090.00 40	2280.00 40	1990.00 38	1570.00 36	1190.00 38	989.00 38	893.00 38	726.00 38
1954	2540.00 42	2170.00 42	1690.00 42	1180.00 42	991.00 42	727.00 41	627.00 41	550.00 41	483.00 42
1955	6240.00 24	5010.00 29	3970.00 23	2670.00 29	1910.00 31	1470.00 32	1270.00 31	1200.00 28	1050.00 24
1956	3980.00 39	3400.00 39	2580.00 39	2050.00 36	1750.00 33	1270.00 37	1210.00 35	1090.00 30	869.00 35
1957	5600.00 29	5190.00 25	4780.00 20	3700.00 15	2820.00 11	1760.00 24	1390.00 26	1210.00 27	992.00 28
1958	7600.00 15	5920.00 21	5190.00 12	3240.00 19	1950.00 29	1350.00 34	1260.00 32	1010.00 36	849.00 36
1959	10400.00 7	8930.00 7	7240.00 4	4570.00 8	3110.00 7	2180.00 12	2010.00 5	1840.00 4	1410.00 11
1960	5460.00 34	4580.00 33	3370.00 33	2020.00 37	1720.00 34	1290.00 36	1180.00 36	1080.00 31	1020.00 26
1961	5460.00 35	4730.00 31	3910.00 24	3320.00 18	2550.00 18	1970.00 16	1660.00 16	1370.00 21	1170.00 19
1962	6000.00 26	5310.00 23	3790.00 25	3170.00 20	2490.00 21	1860.00 22	1570.00 22	1310.00 24	1040.00 25
1963	5600.00 30	4770.00 30	3500.00 30	2180.00 34	1390.00 39	987.00 40	760.00 40	656.00 40	527.00 41
1964	6900.00 21	5070.00 26	2860.00 37	1590.00 41	1280.00 40	1030.00 39	821.00 39	822.00 39	665.00 39
1965	5520.00 31	4440.00 34	2890.00 36	2050.00 35	1660.00 35	1570.00 27	1410.00 25	1240.00 26	944.00 30
1966	3560.00 41	2870.00 41	2030.00 41	1650.00 40	1070.00 41	691.00 42	569.00 42	530.00 42	552.00 40
1967	13800.00 2	12000.00 2	8470.00 3	5150.00 5	3080.00 8	1870.00 21	1550.00 23	1590.00 13	1430.00 10
1968	12000.00 5	9640.00 6	6560.00 7	4360.00 9	2850.00 9	2420.00 6	1950.00 9	1690.00 8	1590.00 4
1969	11400.00 6	10400.00 5	7170.00 5	4230.00 10	2770.00 12	1970.00 17	1580.00 21	1380.00 19	1270.00 15
1970	6090.00 25	5060.00 28	3650.00 28	2540.00 30	1920.00 30	1590.00 26	1350.00 28	1190.00 29	942.00 31
1971	4750.00 37	4110.00 36	3380.00 32	2350.00 31	1960.00 28	1490.00 31	1120.00 37	1040.00 34	887.00 34
1972	4170.00 38	3890.00 38	3430.00 31	2780.00 28	2100.00 26	1540.00 30	1220.00 33	1030.00 35	928.00 33
1973	5520.00 32	4620.00 32	3300.00 34	2860.00 26	2220.00 22	1760.00 23	1500.00 24	1470.00 15	1460.00 8
1974	7420.00 16	6870.00 12	5390.00 11	4220.00 11	2510.00 20	2290.00 8	1980.00 7	1750.00 6	1500.00 7
1975	6570.00 23	5770.00 22	3750.00 26	2800.00 27	2210.00 23	1560.00 28	1360.00 27	1300.00 25	1250.00 17
1976	6760.00 22	6230.00 18	5710.00 10	4940.00 6	3430.00 5	2210.00 11	1660.00 17	1530.00 14	1190.00 18
1977	5480.00 33	4190.00 35	3130.00 35	2300.00 32	2010.00 27	1560.00 29	1220.00 34	981.00 37	823.00 37
1978	8020.00 11	7330.00 11	5920.00 9	5230.00 4	4020.00 4	2570.00 5	2030.00 4	1630.00 11	1450.00 9
1979	7820.00 12	6850.00 13	5110.00 15	4020.00 13	2620.00 16	2220.00 9	1730.00 12	1370.00 20	1010.00 27
1980	7330.00 17	5940.00 20	4020.00 21	2940.00 24	2600.00 17	1950.00 18	1600.00 18	1440.00 17	1150.00 20
1981	6970.00 20	6310.00 16	4840.00 19	3370.00 17	2160.00 24	1930.00 19	1730.00 13	1460.00 16	1260.00 16
1982	13200.00 3	12000.00 3	10500.00 1	7650.00 1	4770.00 1	3480.00 2	2760.00 2	2310.00 2	1800.00 2
1983	8770.00 10	7590.00 10	5090.00 16	3130.00 22	2540.00 19	2120.00 13	1590.00 19	1340.00 23	1360.00 13
1984	7060.00 19	6290.00 17	4930.00 17	4180.00 12	2640.00 15	2090.00 14	1730.00 14	1640.00 10	1310.00 14
1985	16600.00 1	14600.00 1	10400.00 2	6930.00 2	4280.00 3	3150.00 3	2260.00 3	1990.00 3	1520.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	661.00 14
1946	982.00 34
1947	401.00 4
1948	764.00 22
1949	832.00 26
1950	1310.00 41
1951	1170.00 39
1952	1000.00 36
1953	671.00 15
1954	298.00 2
1955	728.00 19
1956	601.00 11
1957	423.00 5
1958	786.00 24
1959	864.00 29
1960	710.00 18
1961	547.00 9
1962	945.00 32
1963	334.00 3
1964	275.00 1
1965	575.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	686.00 25
1945	700.00 22
1946	662.00 29
1947	587.00 34
1948	697.00 23
1949	857.00 11
1950	1570.00 1
1951	1010.00 5
1952	992.00 6
1953	458.00 38
1954	324.00 42
1955	746.00 19
1956	640.00 32
1957	583.00 35
1958	743.00 20
1959	821.00 15
1960	689.00 24
1961	680.00 26
1962	647.00 31
1963	331.00 41
1964	391.00 39

## 03328500 EEL RIVER NEAR LOGANSPOET, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	427.00	6
1967	747.00	21
1968	843.00	27
1969	941.00	31
1970	731.00	20
1971	783.00	23
1972	491.00	8
1973	1100.00	38
1974	970.00	33
1975	694.00	16
1976	1030.00	37
1977	432.00	7
1978	858.00	28
1979	699.00	17
1980	651.00	12
1981	657.00	13
1982	1250.00	40
1983	794.00	25
1984	898.00	30
1985	984.00	35

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	544.00	37
1966	354.00	40
1967	836.00	14
1968	1040.00	4
1969	902.00	8
1970	663.00	28
1971	660.00	30
1972	677.00	27
1973	1070.00	2
1974	900.00	9
1975	856.00	12
1976	738.00	21
1977	566.00	36
1978	886.00	10
1979	626.00	33
1980	768.00	18
1981	797.00	17
1982	1070.00	3
1983	856.00	13
1984	820.00	16
1985	938.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	238.00	424.00	234.00	178.00	634.00	1130.0	3100.0	1556.0	359.00	162.00	133.00	126.00
1945	138.00	176.00	131.00	129.00	628.00	1329.0	1575.0	1722.0	468.00	348.00	1014.0	744.00
1946	1312.0	364.00	621.00	1154.0	1325.0	1151.0	372.00	518.00	602.00	260.00	158.00	135.00
1947	140.00	197.00	287.00	745.00	709.00	712.00	1317.0	1066.0	1108.0	320.00	174.00	299.00
1948	227.00	337.00	441.00	725.00	1252.0	1931.0	1033.0	1307.0	550.00	265.00	181.00	130.00
1949	134.00	241.00	628.00	2751.0	2207.0	640.00	527.00	998.00	1142.0	621.00	231.00	252.00
1950	789.00	280.00	1423.0	4507.0	2417.0	2542.0	3285.0	689.00	1296.0	740.00	368.00	599.00
1951	246.00	486.00	1310.0	1488.0	2279.0	1443.0	1765.0	896.00	570.00	1100.0	380.00	196.00
1952	304.00	557.00	836.00	2376.0	1494.0	1560.0	1644.0	1404.0	900.00	309.00	284.00	242.00
1953	168.00	231.00	328.00	560.00	578.00	1409.0	875.00	527.00	337.00	179.00	193.00	115.00
1954	122.00	137.00	139.00	212.00	222.00	524.00	886.00	339.00	396.00	284.00	476.00	145.00
1955	1522.0	413.00	663.00	1032.0	690.00	1846.0	1016.0	458.00	480.00	411.00	264.00	127.00
1956	269.00	1220.0	382.00	213.00	1278.0	1147.0	644.00	1196.0	639.00	321.00	260.00	151.00
1957	115.00	138.00	210.00	430.00	558.00	419.00	2795.0	718.00	632.00	654.00	185.00	187.00
1958	370.00	547.00	1650.0	611.00	456.00	630.00	377.00	245.00	1889.0	748.00	1078.0	294.00
1959	189.00	376.00	263.00	982.00	3090.0	1032.0	1990.0	916.00	605.00	322.00	161.00	145.00
1960	244.00	583.00	658.00	1000.0	1130.0	814.00	1225.0	893.00	912.00	418.00	256.00	162.00
1961	144.00	167.00	146.00	132.00	372.00	1726.0	1993.0	1134.0	430.00	559.00	1056.0	274.00
1962	305.00	604.00	403.00	1297.0	1155.0	2137.0	567.00	466.00	405.00	177.00	136.00	132.00
1963	146.00	150.00	132.00	138.00	208.00	1334.0	573.00	319.00	303.00	392.00	155.00	101.00
1964	95.10	110.00	98.20	222.00	184.00	742.00	1248.0	451.00	417.00	870.00	130.00	117.00
1965	104.00	114.00	139.00	795.00	1053.0	1499.0	1589.0	544.00	242.00	217.00	135.00	138.00
1966	159.00	172.00	648.00	550.00	389.00	353.00	366.00	969.00	206.00	193.00	128.00	106.00
1967	111.00	655.00	2898.0	434.00	1174.0	1714.0	1199.0	1026.0	309.00	219.00	161.00	130.00
1968	177.00	332.00	2743.0	1100.0	1952.0	797.00	1107.0	1785.0	1150.0	481.00	649.00	239.00
1969	207.00	638.00	1066.0	2081.0	1300.0	608.00	1090.0	920.00	1108.0	1311.0	307.00	213.00
1970	388.00	910.00	426.00	448.00	581.00	1066.0	1710.0	1204.0	368.00	259.00	277.00	339.00
1971	507.00	793.00	647.00	383.00	1945.0	1077.0	395.00	605.00	900.00	220.00	168.00	406.00
1972	234.00	195.00	1110.0	567.00	220.00	848.00	2061.0	719.00	436.00	402.00	281.00	1052.0
1973	968.00	1821.0	1294.0	1310.0	847.00	2036.0	1430.0	616.00	1239.0	450.00	644.00	232.00
1974	223.00	412.00	1157.0	2275.0	1371.0	1614.0	1021.0	1390.0	667.00	258.00	190.00	230.00
1975	208.00	316.00	625.00	1205.0	1340.0	922.00	1032.0	832.00	2208.0	450.00	436.00	773.00
1976	279.00	374.00	1262.0	528.00	2932.0	1434.0	637.00	412.00	417.00	317.00	209.00	158.00
1977	173.00	157.00	156.00	101.00	561.00	1887.0	972.00	403.00	241.00	501.00	608.00	1032.0
1978	419.00	398.00	1964.0	423.00	358.00	2908.0	2026.0	950.00	486.00	304.00	181.00	154.00
1979	155.00	196.00	362.00	360.00	780.00	2446.0	1510.0	606.00	291.00	239.00	403.00	164.00
1980	176.00	409.00	849.00	442.00	635.00	2078.0	1492.0	484.00	1308.0	272.00	578.00	508.00
1981	244.00	237.00	491.00	285.00	1645.0	462.00	1314.0	1644.0	2134.0	462.00	272.00	491.00
1982	432.00	437.00	355.00	1043.0	1807.0	4612.0	1690.0	688.00	1043.0	383.00	237.00	201.00
1983	203.00	1091.0	2049.0	573.00	682.00	711.00	2118.0	1827.0	452.00	251.00	165.00	148.00
1984	190.00	352.00	1170.0	277.00	1567.0	2284.0	1225.0	1297.0	547.00	435.00	316.00	193.00
1985	383.00	591.00	836.00	1081.0	2718.0	2304.0	1725.0	479.00	494.00	223.00	324.00	245.00

## WABASH RIVER BASIN

03328500 EEL RIVER NEAR LOGANSPOET, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
153.00	196.00	281.00	341.00	574.00	783.00
FIFTIETH PERCENTILE					
216.00	369.00	627.00	570.00	1092.00	1332.00
SEVENTY FIFTH PERCENTILE					
321.00	564.00	1160.00	1114.00	1587.00	1898.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
883.00	510.00	403.00	256.00	167.00	137.00
FIFTIETH PERCENTILE					
1237.00	863.00	549.00	322.00	258.00	195.00
SEVENTY FIFTH PERCENTILE					
1714.00	1198.00	1059.00	467.00	386.00	295.00



## 03329000 WABASH RIVER AT LOGANSPOET, IN

LOCATION.--Lat 40°44'47", long 86°22'39", in SW¼NE¼ sec.35, T.27 N., R.1 E., Cass County, Hydrologic Unit 05120105, on left bank 150 ft downstream from Cicott Street bridge in Logansport, 1,000 ft downstream from Eel River, and at mile 353.7.

DRAINAGE AREA.--3,779 mi<sup>2</sup>.

PERIOD OF RECORD.--April to September, November and December 1903, March to November 1904, March 1905 to July 1906, May 1923 to September 1985. January, February, and December 1904, January and February 1905 (gage heights only). Gage-height records collected at same site December 1910 to December 1916, and since January 1926 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 573.28 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.

REMARKS.--Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.

AVERAGE DISCHARGE.--62 years (wateryears 1924 to 1985), 3,320 ft<sup>3</sup>/s, 11.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89,800 ft<sup>3</sup>/s May 18, 1943, gage height, 21.32 ft; minimum daily, 135 ft<sup>3</sup>/s Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.3 ft Mar. 26, 1913, from floodmarks, discharge, 140,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1924					1	2	12	30	29	15	15	19	15	9	28	16	21	35	16	17	22	15	16	6	9	8	4	2	2	2							
1925					6	6	27	28	58	47	8	14	36	15	10	23	17	18	13	4	5	7	5	5	1	1	4	1		3	2	1					
1926						5	4	21	14	11	21	53	29	17	43	16	14	20	11	11	19	12	9	6	12	8	5	1	2	1							
1927							26	19	22	12	31	15	36	27	23	31	13	14	15	20	10	12	8	7	10	5	5	1	3								
1928							29	5	45	16	14	31	30	26	22	30	26	10	21	12	7	11	8	6	6	3	5	1	1	1							
1929							6	57	38	19	10	9	21	30	17	16	17	22	9	17	14	13	11	13	8	8	3	3	4								
1930						9	50	30	19	24	5	7	31	15	17	16	36	24	16	13	9	6	3	4	5	5	7	1	6	4	1	1	1				
1931				4	22	45	24	1	57	78	26	28	19	14	12	6	8	8	3	4	1	2	1		2												
1932	1	5	7	11	15	15	33	27	23	11	9	37	30	13	22	23	20	15	9	10	6	4	12	2	3	1	1	1									
1933		1	4	4	14	32	20	12	29	19	32	18	16	26	22	13	12	10	11	13	11	8	9	8	5	5	4	3	4								
1934	10	7	10	12	17	29	38	50	57	30	25	19	12	11	7	5	5	3	4	2	3	1	3														
1935				1	24	29	46	26	22	30	22	46	21	12	18	8	9	9	8	5	10	4	6		3	3	2	1									
1936				8	13	20	37	38	11	41	30	39	30	21	9	6	14	12	6	4	3	4	1	3	5		3	2	1								
1937							11	23	24	23	14	28	23	16	28	19	27	16	17	15	14	11	13	10	13	11	2	4									
1938							9	34	25	15	19	27	34	21	21	29	12	22	14	9	12	9	10	9	6	5	6	6	4	2	5						
1939		3	19	6	9	62	27	20	13	18	21	31	26	13	17	6	7	11	10	5	4	5	5	5	6	6	1	3	3	1	2						
1940		18	27	40	39	36	22	9	11	18	21	22	25	24	9	8	8	4		5	2	7	2	1	4	3		1									
1941	11	26	25	16	15	51	34	45	50	22	18	18	8	6	6	5	2	2	1				1	2	1												
1942	1	1	2	12	5	11	45	37	36	16	28	34	28	20	17	9	7	6	8	2	3	8	7	3	6	7	4	2									
1943						12	11	17	22	19	11	40	32	37	33	16	13	22	18	8	11	5	8	3	4	7	5	3	1	4							
1944		6	19	31	38	50	64	17	15	9	7	4	4	9	5	18	15	7	14	6	6	4	3	3	4	2	2	2									
1945				44	38	34	20	22	10	15	11	22	13	18	22	17	14	6	10	6	9	5	8	5	4	4	2	6									
1946				20	10	18	13	16	9	32	28	49	28	20	16	16	11	9	15	8	13	6	10	6	4	5	2	1									
1947		1	15	5	29	21	37	28	29	15	28	11	9	21	6	15	14	19	17	8	8	10	2	4	5	4	4										
1948			5	30	14	14	35	26	46	21	21	18	17	15	12	11	9	9	6	3	12	8	6	11	9	3	5										
1949				6	27	28	14	10	13	18	19	29	18	36	22	19	17	14	13	8	8	14	9	6	6	2	6	2	1								
1950				2	5	39	19	14	23	26	18	16	16	11	16	21	18	19	14	18	18	6	8	8	5	7	9	5	2	1	1						
1951						17	17	15	26	14	10	29	27	23	25	17	19	18	14	19	12	13	12	5	15	8	4	3	3								
1952						3	13	27	23	20	16	24	17	10	22	20	25	14	20	15	7	12	20	5	5	10	4	8	3								
1953		1	12	26	8	55	22	11	7	13	31	20	24	33	21	17	13	9	11	10	7	8	2	2			1	1									
1954			7	33	76	43	17	25	19	23	13	27	18	8	14	12	7	8	7	3	3	1		1													
1955			16	9	9	11	14	36	43	24	34	19	19	20	14	18	14	14	10	7	7	10	6	4	5	1	1										
1956				13	9	5	17	25	17	32	30	31	17	17	20	15	14	19	18	10	17	14	10	7	4	4	1										
1957		25	21	9	25	13	21	19	14	21	30	27	18	18	11	6	7	9	4	10	13	13	6	7	5	3	6	3	1								
1958				3	6	8	23	25	25	38	34	31	40	28	17	12	14	6	11	7	5	5	9	6	1	4	1	1	5								
1959			1	9	18	18	39	43	26	11	11	5	14	28	10	18	19	20	15	13	9	11	1	4	6	3	3	3	2	1	1						
1960				4	18	14	26	23	18	13	55	29	22	42	15	18	13	13	9	7	6	4	6	6													
1961	1	1	4	44	70	15	13	12	17	25	27	17	9	17	5	13	8	7	4	13	10	6	4	4	8	4	3	4									
1962				12	12	8	24	34	37	22	39	18	16	32	16	21	13	13	8	7	5	5	4	3	6	3	4	2	1								
1963		4	11	15	69	64	43	23	15	15	10	19	7	7	9	8	11	7	4	4	3	7	4	1	1												
1964	27	31	50	58	17	14	13	23	18	7	17	8	6	13	8	7	3	7	3	4	4	5	1	8	7	3	1	1	2								

## 03329000 WABASH RIVER AT LOGANSPOUT, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14976	100.00	12	1100.0	1188	8006	53.46	24	12000.0	171	929	6.20
1	135.0	13	14976	100.00	13	1400.0	805	6818	45.53	25	14000.0	218	758	5.06
2	160.0	107	14963	99.91	14	1700.0	660	6013	40.15	26	17000.0	201	540	3.61
3	200.0	206	14856	99.20	15	2000.0	881	5353	35.74	27	21000.0	101	339	2.26
4	240.0	439	14650	97.82	16	2500.0	599	4472	29.86	28	25000.0	112	238	1.59
5	290.0	648	14211	94.89	17	3000.0	613	3873	25.86	29	31000.0	59	126	0.84
6	360.0	869	13563	90.56	18	3600.0	499	3260	21.77	30	37000.0	40	67	0.45
7	430.0	978	12694	84.76	19	4400.0	456	2761	18.44	31	45000.0	18	27	0.18
8	520.0	1121	11716	78.23	20	5400.0	369	2305	15.39	32	55000.0	4	9	0.06
9	640.0	974	10595	70.75	21	6500.0	357	1936	12.93	33	66000.0	4	5	0.03
10	770.0	889	9621	64.24	22	7900.0	316	1579	10.54	34	81000.0	1	1	0.01
11	940.0	726	8732	58.31	23	9600.0	334	1263	8.43					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 288.0  
 P90 = 367.0  
 P75 = 572.0  
 P70 = 655.0  
 P50 = 1230.0  
 P25 = 3130.0  
 P10 = 8340.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1906	294.00 24	377.00 31	405.00 31	440.00 33	697.00 37	906.00 38	1240.00 38	1220.00 33	1530.00 32
1925	346.00 27	376.00 30	394.00 29	409.00 27	437.00 27	521.00 23	576.00 21	672.00 20	1290.00 27
1926	245.00 18	256.00 17	273.00 16	316.00 18	400.00 21	533.00 25	721.00 28	690.00 22	827.00 16
1927	398.00 36	403.00 35	414.00 35	502.00 37	880.00 41	1070.00 39	1290.00 39	1770.00 40	4160.00 41
1928	568.00 41	568.00 41	595.00 40	604.00 39	627.00 36	794.00 35	880.00 32	997.00 30	1520.00 30
1929	375.00 31	375.00 28	409.00 32	422.00 30	429.00 25	492.00 20	518.00 17	611.00 17	915.00 21
1930	375.00 32	375.00 29	409.00 33	422.00 31	429.00 26	518.00 22	1010.00 36	1500.00 38	2270.00 39
1931	228.00 12	228.00 11	228.00 10	232.00 9	294.00 12	347.00 10	378.00 10	425.00 11	437.00 8
1932	189.00 7	202.00 8	225.00 9	269.00 14	326.00 17	538.00 26	572.00 20	591.00 15	746.00 14
1933	153.00 2	200.00 6	221.00 8	226.00 8	257.00 9	549.00 27	642.00 26	756.00 27	875.00 18
1934	230.00 14	277.00 19	335.00 23	378.00 23	412.00 23	527.00 24	581.00 22	754.00 25	1190.00 24
1935	161.00 3	167.00 2	177.00 2	188.00 3	251.00 6	349.00 11	434.00 14	563.00 13	541.00 11
1936	270.00 20	290.00 20	308.00 21	343.00 21	354.00 19	374.00 15	511.00 16	572.00 14	700.00 13
1937	163.00 4	182.00 5	186.00 5	202.00 5	251.00 7	279.00 6	339.00 7	427.00 12	858.00 17
1938	393.00 35	412.00 36	434.00 36	461.00 35	507.00 32	731.00 34	774.00 29	982.00 29	1770.00 35
1939	350.00 28	353.00 26	374.00 25	385.00 24	388.00 20	422.00 16	549.00 19	614.00 18	906.00 19
1940	191.00 9	201.00 7	202.00 6	212.00 6	229.00 5	265.00 5	396.00 11	396.00 10	489.00 9
1941	167.00 5	177.00 4	183.00 4	188.00 4	202.00 3	217.00 3	256.00 2	292.00 2	428.00 7
1942	135.00 1	141.00 1	142.00 1	151.00 1	173.00 1	185.00 1	262.00 3	315.00 4	417.00 4
1943	363.00 29	373.00 27	384.00 26	400.00 26	477.00 30	621.00 30	871.00 31	1370.00 36	1550.00 33
1944	280.00 21	317.00 24	391.00 27	413.00 28	448.00 28	469.00 18	510.00 15	652.00 19	817.00 15
1945	228.00 13	233.00 12	239.00 12	252.00 12	268.00 10	299.00 8	322.00 6	334.00 5	351.00 2
1946	372.00 30	380.00 32	409.00 34	468.00 36	727.00 38	1090.00 40	1310.00 40	1980.00 41	1840.00 36
1947	239.00 16	242.00 15	247.00 13	250.00 11	257.00 8	304.00 9	344.00 8	370.00 7	572.00 12
1948	293.00 23	311.00 23	327.00 22	361.00 22	555.00 33	656.00 32	698.00 27	785.00 28	940.00 22
1949	254.00 19	262.00 18	277.00 18	298.00 17	323.00 15	368.00 13	407.00 13	601.00 16	1050.00 23
1950	390.00 33	391.00 33	393.00 28	424.00 32	580.00 35	651.00 31	869.00 30	1150.00 31	1520.00 31
1951	521.00 40	543.00 40	635.00 41	686.00 40	786.00 40	1370.00 41	1710.00 41	1700.00 39	2010.00 37
1952	338.00 26	347.00 25	372.00 24	389.00 25	407.00 22	429.00 17	547.00 18	698.00 23	1220.00 25
1953	420.00 37	433.00 37	444.00 37	454.00 34	468.00 29	514.00 21	637.00 25	674.00 21	911.00 20
1954	233.00 15	240.00 14	260.00 15	277.00 15	282.00 11	295.00 7	301.00 5	314.00 3	410.00 3
1955	220.00 11	227.00 10	229.00 11	249.00 10	317.00 14	585.00 28	598.00 23	756.00 26	1300.00 28
1956	241.00 17	247.00 16	252.00 14	261.00 13	304.00 13	618.00 29	1150.00 37	1310.00 35	1410.00 29
1957	202.00 10	204.00 9	212.00 7	215.00 7	224.00 4	244.00 4	289.00 4	362.00 6	522.00 10
1958	392.00 34	392.00 34	398.00 30	420.00 29	489.00 31	796.00 36	883.00 33	1280.00 34	2840.00 40
1959	491.00 38	504.00 38	513.00 38	521.00 38	576.00 34	705.00 33	934.00 35	1400.00 37	2020.00 38
1960	288.00 22	293.00 21	298.00 19	329.00 20	416.00 24	472.00 19	607.00 24	729.00 24	1220.00 26
1961	190.00 8	237.00 13	276.00 17	298.00 16	324.00 16	351.00 12	373.00 9	372.00 8	420.00 5
1962	500.00 39	513.00 39	537.00 39	702.00 41	761.00 39	860.00 37	895.00 34	1200.00 32	1580.00 34
1963	295.00 25	303.00 22	308.00 20	319.00 19	335.00 18	369.00 14	400.00 12	392.00 9	426.00 6
1964	172.00 6	175.00 3	179.00 3	184.00 2	193.00 2	215.00 2	239.00 1	243.00 1	310.00 1

## 03329000 WABASH RIVER AT LOGANSPOUT, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1924	41900.00 14	36000.00 16	26900.00 15	17300.00 20	11800.00 22	8830.00 22	7770.00 20	8380.00 10	7250.00 8
1925	51000.00 8	42100.00 9	28500.00 13	17300.00 21	11800.00 23	7760.00 28	7060.00 26	6390.00 23	4560.00 25
1926	41400.00 15	37000.00 14	24900.00 18	17600.00 16	12100.00 20	8950.00 21	7350.00 23	5950.00 26	5330.00 20
1927	43100.00 13	41200.00 10	27900.00 14	17400.00 19	13400.00 15	10400.00 16	10200.00 7	9710.00 4	7450.00 6
1928	37400.00 20	31600.00 22	22400.00 24	16000.00 23	11600.00 24	7780.00 27	7320.00 24	6280.00 24	5110.00 21
1929	27500.00 30	23500.00 30	19100.00 29	12100.00 32	8390.00 32	8080.00 24	7410.00 22	6970.00 18	6220.00 14
1930	60900.00 5	51900.00 5	38000.00 5	31300.00 3	20400.00 3	13400.00 2	10800.00 3	8900.00 6	7020.00 10
1931	9950.00 41	8720.00 40	5620.00 41	4470.00 41	3440.00 40	2270.00 40	1740.00 40	1470.00 40	1180.00 40
1932	27300.00 31	23500.00 31	17600.00 31	13500.00 28	9200.00 29	6690.00 31	5590.00 32	4740.00 33	3960.00 33
1933	44300.00 11	39700.00 12	32500.00 9	20700.00 12	13200.00 17	12800.00 6	9890.00 9	8180.00 12	7530.00 4
1934	15300.00 38	14100.00 38	11700.00 38	7430.00 38	5340.00 38	3680.00 38	2790.00 38	2440.00 38	1880.00 38
1935	25000.00 35	23100.00 32	20600.00 28	14200.00 27	8070.00 34	6150.00 34	5230.00 35	4350.00 35	3510.00 35
1936	62600.00 4	53000.00 4	37900.00 6	21100.00 11	12400.00 18	8090.00 23	6530.00 28	5160.00 30	3670.00 34
1937	45200.00 10	40800.00 11	29200.00 12	23200.00 7	16900.00 8	12100.00 9	9150.00 14	9150.00 5	7310.00 7
1938	43400.00 12	38600.00 13	26300.00 16	22700.00 9	18000.00 5	13000.00 4	9720.00 11	8200.00 11	6980.00 11
1939	52600.00 6	43500.00 7	29500.00 11	19800.00 14	15500.00 12	11100.00 11	9950.00 8	7840.00 15	5600.00 17
1940	25000.00 36	20400.00 37	13800.00 35	10600.00 37	7220.00 37	5740.00 36	4440.00 37	3710.00 37	2790.00 37
1941	13600.00 39	11900.00 39	8130.00 39	4690.00 40	2830.00 41	1720.00 41	1640.00 41	1390.00 41	1180.00 41
1942	29300.00 27	24900.00 28	17800.00 30	13100.00 30	8390.00 33	7590.00 29	6930.00 27	5510.00 28	4430.00 27
1943	84700.00 1	77200.00 1	52500.00 1	38400.00 1	22400.00 2	12400.00 7	10400.00 5	8580.00 9	7090.00 9
1944	45500.00 9	42400.00 8	32700.00 7	22900.00 8	14900.00 13	10100.00 17	8700.00 15	7030.00 17	4780.00 24
1945	29800.00 26	28300.00 25	22900.00 22	13200.00 29	10000.00 28	7870.00 25	7190.00 25	6490.00 22	5020.00 23
1946	26200.00 33	20900.00 36	13800.00 36	11000.00 35	7260.00 36	5700.00 37	5880.00 31	4850.00 32	4430.00 28
1947	30600.00 25	26200.00 26	22400.00 25	15100.00 25	10500.00 25	9930.00 19	8360.00 19	6740.00 21	5540.00 18
1948	29000.00 28	26000.00 27	23100.00 21	17600.00 17	15800.00 11	11100.00 12	9480.00 13	7670.00 16	6040.00 15
1949	38000.00 18	34000.00 19	22600.00 23	20100.00 13	16400.00 9	13200.00 3	10300.00 6	8680.00 7	6710.00 13
1950	67700.00 2	57100.00 2	40500.00 4	36100.00 2	26400.00 1	20600.00 1	16700.00 1	15400.00 1	11400.00 1
1951	33000.00 24	30500.00 24	24900.00 19	18400.00 15	12000.00 21	9880.00 20	8660.00 16	8140.00 13	7520.00 5
1952	34000.00 23	31900.00 21	21200.00 27	17500.00 18	14500.00 14	11000.00 13	10500.00 4	9760.00 3	8060.00 2
1953	27600.00 29	22300.00 33	13800.00 37	12000.00 33	8840.00 31	6400.00 32	5420.00 33	4700.00 34	3980.00 32
1954	12200.00 40	8710.00 41	6030.00 40	4730.00 39	3780.00 39	2770.00 39	2500.00 39	2300.00 39	1810.00 39
1955	25800.00 34	21200.00 35	17500.00 32	12000.00 34	8890.00 30	6380.00 33	5970.00 30	5420.00 29	4130.00 31
1956	24100.00 37	21400.00 34	15100.00 34	12600.00 31	10500.00 26	7810.00 26	6090.00 29	5530.00 27	4400.00 29
1957	37700.00 19	36000.00 17	32500.00 8	22400.00 10	17800.00 6	11500.00 10	9630.00 12	8630.00 8	6780.00 12
1958	51500.00 7	50700.00 6	45600.00 2	29400.00 4	16900.00 7	10900.00 14	8550.00 17	6870.00 19	5430.00 19
1959	66300.00 3	55800.00 3	41400.00 3	24000.00 5	19300.00 4	12800.00 5	10800.00 2	10500.00 2	7810.00 3
1960	27300.00 32	24100.00 29	17400.00 33	10600.00 36	7870.00 35	5980.00 35	5360.00 34	5040.00 31	4220.00 30
1961	34400.00 22	33400.00 20	29900.00 10	23200.00 6	15900.00 10	12200.00 8	9790.00 10	7840.00 14	5940.00 16
1962	38100.00 17	34100.00 18	21700.00 26	14900.00 26	12400.00 19	10000.00 18	8390.00 18	6740.00 20	5090.00 22
1963	35000.00 21	31000.00 23	23500.00 20	15300.00 24	10300.00 27	6750.00 30	4960.00 36	4040.00 36	2900.00 36
1964	39200.00 16	36200.00 15	25500.00 17	16900.00 22	13300.00 16	10600.00 15	7590.00 21	6020.00 25	4470.00 26

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1906	3120.00 23
1925	4050.00 29
1926	2380.00 13
1927	5170.00 38
1928	4400.00 32
1929	2690.00 14
1930	5420.00 40
1931	956.00 1
1932	2260.00 12
1933	3000.00 20
1934	2840.00 18
1935	1400.00 5
1936	2760.00 17
1937	3360.00 24
1938	3960.00 28
1939	4270.00 31
1940	1770.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1924	4760.00 4
1925	2640.00 30
1926	4300.00 11
1927	4890.00 2
1928	3530.00 17
1929	3600.00 16
1930	3890.00 14
1931	857.00 40
1932	2400.00 31
1933	4360.00 9
1934	1390.00 38
1935	2110.00 34
1936	2070.00 35
1937	4780.00 3
1938	4280.00 12
1939	3100.00 23
1940	1570.00 37

## WABASH RIVER BASIN

03329000 WABASH RIVER AT LOGANSPOET, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	1250.00	2
1942	1900.00	10
1943	3000.00	21
1944	3700.00	26
1945	2690.00	15
1946	3930.00	27
1947	1870.00	8
1948	4080.00	30
1949	4570.00	35
1950	5850.00	41
1951	4980.00	37
1952	4470.00	33
1953	3010.00	22
1954	1280.00	3
1955	2750.00	16
1956	2880.00	19
1957	1830.00	7
1958	4790.00	36
1959	5260.00	39
1960	3500.00	25
1961	2120.00	11
1962	4490.00	34
1963	1900.00	9
1964	1400.00	4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1941	796.00	41
1942	2670.00	28
1943	4570.00	6
1944	2660.00	29
1945	2810.00	26
1946	2910.00	24
1947	3170.00	21
1948	3430.00	18
1949	4140.00	13
1950	6610.00	1
1951	4510.00	7
1952	4600.00	5
1953	2360.00	33
1954	1110.00	39
1955	2860.00	25
1956	3140.00	22
1957	3740.00	15
1958	4310.00	10
1959	4470.00	8
1960	2800.00	27
1961	3240.00	20
1962	3250.00	19
1963	1640.00	36
1964	2380.00	32

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1904	*	*	*	*	*	*	12880.0	2440.0	2056.0	2673.0	409.00	439.00
1905	*	*	*	*	*	*	4794.0	6809.0	3319.0	1065.0	1154.0	1946.0
1906	865.00	1769.0	3398.0	5277.0	1318.0	5549.0	*	*	*	*	*	*
1924	1674.0	1317.0	10330.0	6149.0	4684.0	10400.0	5994.0	3480.0	9742.0	1734.0	748.00	885.00
1925	545.00	510.00	6654.0	3046.0	5640.0	9776.0	1605.0	793.00	703.00	1042.0	483.00	919.00
1926	1078.0	6275.0	2218.0	3265.0	5760.0	4772.0	10040.0	1644.0	1420.0	875.00	4082.0	10710.0
1927	6529.0	2743.0	1885.0	3668.0	8807.0	10170.0	9712.0	9397.0	3400.0	1020.0	711.00	977.00
1928	1519.0	2361.0	10120.0	4003.0	6626.0	3113.0	3835.0	1522.0	5017.0	2807.0	1077.0	513.00
1929	541.00	538.00	1066.0	6539.0	3782.0	5120.0	8202.0	7952.0	2692.0	4241.0	1893.0	526.00
1930	1067.0	3269.0	7209.0	18670.0	5338.0	3705.0	3782.0	1192.0	673.00	585.00	590.00	447.00
1931	371.00	340.00	603.00	428.00	627.00	1843.0	2531.0	682.00	639.00	749.00	396.00	1090.0
1932	1100.0	1393.0	3841.0	8915.0	3476.0	2296.0	2338.0	2106.0	1029.0	972.00	287.00	939.00
1933	919.00	2144.0	6977.0	6105.0	2438.0	9484.0	7388.0	12160.0	966.00	601.00	647.00	2181.0
1934	2349.0	705.00	924.00	1523.0	842.00	3623.0	3635.0	662.00	517.00	344.00	832.00	621.00
1935	486.00	639.00	545.00	2499.0	1533.0	4449.0	2872.0	7843.0	1307.0	1190.0	1367.0	408.00
1936	358.00	780.00	746.00	1084.0	8925.0	6453.0	1848.0	3195.0	595.00	269.00	374.00	525.00
1937	1138.0	4550.0	1308.0	16200.0	7246.0	3312.0	9418.0	4186.0	3217.0	3231.0	2403.0	1364.0
1938	920.00	605.00	3749.0	1913.0	7038.0	9785.0	12260.0	1888.0	6615.0	4354.0	1742.0	819.00
1939	391.00	552.00	697.00	1321.0	9105.0	12060.0	8742.0	1385.0	1450.0	1156.0	699.00	233.00
1940	535.00	428.00	379.00	782.00	1225.0	4297.0	7099.0	1516.0	1722.0	507.00	241.00	203.00
1941	341.00	452.00	880.00	735.00	822.00	638.00	1480.0	600.00	2823.0	457.00	203.00	176.00
1942	435.00	684.00	729.00	614.00	7705.0	7387.0	5922.0	1254.0	2059.0	1063.0	3798.0	829.00
1943	479.00	3193.0	3769.0	3658.0	3706.0	6339.0	2090.0	21310.0	2385.0	2781.0	3166.0	1618.0
1944	554.00	1115.0	534.00	464.00	2313.0	5765.0	14260.0	5018.0	1030.0	410.00	374.00	276.00
1945	335.00	490.00	362.00	290.00	2585.0	6954.0	7635.0	6014.0	4652.0	1163.0	1867.0	1470.0
1946	4179.0	1254.0	2823.0	5250.0	4671.0	6175.0	1237.0	4107.0	3470.0	1059.0	415.00	294.00
1947	334.00	447.00	944.00	3963.0	2920.0	3229.0	7693.0	7266.0	8349.0	1261.0	1025.0	753.00
1948	571.00	803.00	1240.0	4469.0	4986.0	10610.0	9021.0	5271.0	1755.0	1560.0	506.00	355.00
1949	396.00	2322.0	4802.0	16130.0	9219.0	3792.0	2912.0	3591.0	3354.0	1993.0	693.00	742.00
1950	2590.0	660.00	4512.0	25590.0	13820.0	9973.0	10920.0	2573.0	3273.0	1970.0	787.00	3123.0
1951	1652.0	4338.0	7567.0	6867.0	10960.0	6378.0	7598.0	4035.0	1832.0	2353.0	659.00	422.00
1952	629.00	1450.0	4666.0	12700.0	7811.0	9545.0	8245.0	5211.0	2481.0	808.00	748.00	926.00
1953	486.00	817.00	1984.0	3415.0	3078.0	7942.0	3835.0	3572.0	1256.0	855.00	785.00	311.00
1954	291.00	324.00	359.00	768.00	903.00	2036.0	3497.0	1195.0	2253.0	637.00	822.00	336.00
1955	3799.0	1132.0	2329.0	5114.0	3111.0	8655.0	3732.0	1144.0	1228.0	2647.0	1014.0	308.00
1956	2160.0	6059.0	1406.0	688.00	7909.0	6639.0	2958.0	3662.0	3744.0	1719.0	667.00	339.00
1957	229.00	345.00	831.00	2381.0	2937.0	2307.0	17520.0	5356.0	4797.0	6521.0	826.00	1026.0
1958	1736.0	2330.0	10230.0	2574.0	1680.0	2822.0	2079.0	1899.0	16440.0	4759.0	4159.0	926.00
1959	676.00	2758.0	1256.0	7776.0	15880.0	5634.0	10680.0	5487.0	2363.0	1172.0	505.00	471.00
1960	1048.0	2050.0	3145.0	4905.0	6510.0	3874.0	3805.0	2551.0	2607.0	1970.0	850.00	413.00
1961	365.00	419.00	339.00	368.00	1242.0	10440.0	13420.0	4781.0	1847.0	1469.0	3104.0	1038.0
1962	800.00	1996.0	1025.0	8538.0	5509.0	10500.0	1778.0	2140.0	2079.0	3578.0	573.00	485.00
1963	398.00	472.00	362.00	389.00	578.00	9780.0	3207.0	1506.0	1263.0	902.00	399.00	238.00
1964	197.00	296.00	252.00	551.00	417.00	7518.0	12930.0	2035.0	1313.0	2516.0	335.00	281.00

03329000 WABASH RIVER AT LOGANSPOET, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
395.00	505.00	721.00	779.00	1643.00	3685.00
FIFTIETH PERCENTILE					
600.00	966.00	1357.00	3537.00	4227.00	6257.00
SEVENTY FIFTH PERCENTILE					
1233.00	2324.00	4009.00	6247.00	7361.00	9603.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
2912.00	1516.00	1263.00	855.00	483.00	339.00
FIFTIETH PERCENTILE					
5922.00	3195.00	2079.00	1172.00	748.00	526.00
SEVENTY FIFTH PERCENTILE					
9418.00	5271.00	3354.00	2516.00	1154.00	977.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1970				6	10	17	1	17	18	15	17	20	27	36	26	16	13	16	11	10	13	7	12	6	19	10	10	9	3						
1971		1	5	5	19	12	23	32	14	20	13	22	23	46	28	14	10	9	14	7	8	5	2	7	5	4	1	6	9	1					
1972			4	3	2	9	12	18	21	12	54	32	16	15	10	17	13	11	8	4	19	11	16	9	16	13	14	5	2						
1973							8	14	12	5	17	11	16	15	21	15	12	9	14	10	11	17	35	40	49	14	17	3							
1974					12	26	7	7	7	10	7	35	36	34	14	7	7	2	3	12	10	9	12	17	18	19	12	18	19	1	3	1			
1975					2	12	14	18	16	14	11	25	31	24	19	19	17	10	17	16	21	14	16	21	12	4	9	3							
1976		2	4	12	4	12	19	18	24	34	12	15	42	25	20	19	12	4	6	9	5	6	2	5	7	16	9	3	17	2	1				
1977			23	33	34	25	11	13	21	30	37	35	8	10	6	9	9	8	9	9	6	6	4	6	6	3		3	1						
1978					16	13	10	14	39	19	25	13	34	23	2	16	9	11	22	11	4	4	2	8	17	14	11	14	8	3	3				
1979					9	12	12	13	45	27	27	25	30	11	11	23	9	9	17	25	12	5	6	3	13	7	9	2	1	2					
1980					6	15	15	18	25	29	25	26	14	14	22	12	8	25	7	13	21	22	9	11	10	9	8	2							
1981				1	3	19	32	17	28	38	22	19	26	20	8	5	9	7	14	11	21	12	11	25	9	2	2	3		1					
1982				11	28	16	10	11	14	14	21	18	27	13	5	15	16	10	21	13	10	13	8	9	9	5	4	20	5	11	5	1	2		
1983		11	9	24	10	16	8	12	8	19	14	38	26	19	17	12	15	6	10	10	4	16	15	16	10	5	5	4	4		1	1			
1984			3	12	14	7	14	15	29	22	12	24	26	38	8	15	11	5	7	9	3	6	4	17	10	14	7	13	14	5	2				
1985				3	6	7	39	33	46	26	26	28	22	16	14	12	9	7	10	3	7	2	2	4	6	4	9	5	4	6	6	1			2

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	1300.0	384	3569	61.07	24	7900.0	203	886	15.16
1	255.0	14	5844	100.00	13	1500.0	436	3185	54.50	25	9200.0	213	683	11.69
2	300.0	44	5830	99.76	14	1800.0	270	2749	47.04	26	11000.0	117	470	8.04
3	340.0	96	5786	99.01	15	2100.0	196	2479	42.42	27	12000.0	140	353	6.04
4	400.0	121	5690	97.36	16	2400.0	221	2283	39.07	28	14000.0	130	213	3.64
5	460.0	181	5569	95.29	17	2800.0	156	2062	35.28	29	17000.0	31	83	1.42
6	540.0	177	5388	92.20	18	3200.0	142	1906	32.61	30	19000.0	30	52	0.89
7	620.0	266	5211	89.17	19	3700.0	214	1764	30.18	31	22000.0	16	22	0.38
8	730.0	274	4945	84.62	20	4400.0	149	1550	26.52	32	26000.0	2	6	0.10
9	840.0	389	4671	79.93	21	5100.0	173	1401	23.97	33	30000.0	2	4	0.07
10	980.0	292	4282	73.27	22	5900.0	150	1228	21.01	34	35000.0	2	2	0.03
11	1100.0	421	3990	68.28	23	6800.0	192	1078	18.45					

## 03329000 WABASH RIVER AT LOGANSPOET, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 468.0  
 P90 = 598.0  
 P75 = 944.0  
 P70 = 1060.0  
 P50 = 1680.0  
 P25 = 4820.0  
 P10 = 10000.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	354.00 6	360.00 6	375.00 5	412.00 4	455.00 5	862.00 9	1100.00 10	1210.00 10	1460.00 10
1972	299.00 3	304.00 3	333.00 3	418.00 5	428.00 4	656.00 7	820.00 8	1100.00 9	1260.00 5
1973	392.00 7	396.00 7	408.00 7	512.00 9	627.00 10	1200.00 13	1400.00 12	1780.00 13	3380.00 15
1974	660.00 15	686.00 15	736.00 15	812.00 14	982.00 13	1170.00 12	1260.00 11	1780.00 14	2290.00 13
1975	409.00 8	434.00 8	447.00 8	456.00 7	480.00 6	614.00 5	737.00 6	857.00 5	1240.00 4
1976	535.00 13	543.00 12	577.00 13	679.00 12	764.00 12	1020.00 11	1500.00 14	1530.00 11	2180.00 12
1977	294.00 2	299.00 2	314.00 2	319.00 2	326.00 1	358.00 1	505.00 2	652.00 2	658.00 1
1978	346.00 5	350.00 5	378.00 6	429.00 6	502.00 7	655.00 6	711.00 5	917.00 6	1380.00 7
1979	474.00 11	487.00 11	508.00 10	525.00 10	576.00 9	732.00 8	813.00 7	937.00 7	1280.00 6
1980	531.00 12	583.00 14	691.00 14	875.00 15	1060.00 15	1300.00 14	1630.00 15	2060.00 15	2020.00 11
1981	550.00 14	563.00 13	573.00 12	615.00 11	643.00 11	887.00 10	1080.00 9	1100.00 8	1440.00 8
1982	441.00 10	464.00 10	527.00 11	729.00 13	1040.00 14	1350.00 15	1450.00 13	1630.00 12	2340.00 14
1983	419.00 9	441.00 9	458.00 9	472.00 8	534.00 8	557.00 4	608.00 3	732.00 3	1450.00 9
1984	255.00 1	258.00 1	265.00 1	282.00 1	330.00 2	395.00 2	471.00 1	645.00 1	1020.00 2
1985	323.00 4	333.00 4	359.00 4	394.00 3	410.00 3	534.00 3	661.00 4	849.00 4	1210.00 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	16800.00 13	13900.00 15	12200.00 15	10900.00 13	8650.00 14	6950.00 15	5770.00 13	5670.00 13	4790.00 12
1971	17700.00 11	16700.00 10	15700.00 8	14300.00 7	10800.00 11	7410.00 13	5230.00 14	4510.00 14	3570.00 15
1972	17700.00 12	15800.00 11	14300.00 11	13400.00 9	11900.00 9	8550.00 10	7000.00 10	5790.00 12	5530.00 7
1973	16600.00 14	14400.00 14	13300.00 12	12700.00 11	11200.00 10	10300.00 6	8890.00 4	8080.00 3	7990.00 3
1974	23500.00 4	21500.00 4	18700.00 4	15900.00 5	14800.00 4	12100.00 4	10700.00 2	9790.00 2	8090.00 2
1975	16600.00 15	15500.00 13	12500.00 14	11400.00 12	9440.00 12	7550.00 12	7130.00 8	6530.00 8	5460.00 9
1976	20900.00 7	17900.00 8	16600.00 6	15500.00 6	14100.00 5	10700.00 5	8070.00 7	7360.00 7	5480.00 8
1977	15600.00 16	13500.00 16	10700.00 16	7510.00 16	6630.00 16	4950.00 16	3960.00 16	3140.00 16	2420.00 16
1978	23100.00 5	22800.00 3	19400.00 3	18500.00 3	16900.00 3	13000.00 2	9930.00 3	8010.00 4	7060.00 4
1979	21900.00 6	20100.00 6	16100.00 7	13900.00 8	12500.00 7	9490.00 8	7110.00 9	5860.00 11	4750.00 13
1980	18500.00 10	15700.00 12	14500.00 9	13200.00 10	12200.00 8	8780.00 9	6260.00 12	6100.00 9	5130.00 10
1981	20600.00 8	16700.00 9	12600.00 13	10100.00 14	9110.00 13	7990.00 11	6870.00 11	5930.00 10	4960.00 11
1982	32100.00 2	29900.00 2	25900.00 2	23000.00 2	19600.00 1	16300.00 1	13000.00 1	11200.00 1	8440.00 1
1983	25000.00 3	20500.00 5	14300.00 10	9910.00 15	7970.00 15	7080.00 14	5230.00 15	4430.00 15	4710.00 14
1984	20200.00 9	18500.00 7	17000.00 5	15900.00 4	13100.00 6	9850.00 7	8390.00 6	7460.00 6	6250.00 5
1985	39100.00 1	33800.00 1	27800.00 1	24100.00 1	18200.00 2	12200.00 3	8510.00 5	7780.00 5	5800.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971 3260.00 6  
 1972 2310.00 2  
 1973 5850.00 15  
 1974 5280.00 13  
 1975 3730.00 8  
 1976 4070.00 12  
 1977 1410.00 1  
 1978 3170.00 5  
 1979 3780.00 10  
 1980 3580.00 7  
 1981 2610.00 3  
 1982 5330.00 14  
 1983 3160.00 4  
 1984 3750.00 9  
 1985 3960.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970 3300.00 10  
 1971 2480.00 15  
 1972 3770.00 7  
 1973 5650.00 1  
 1974 4700.00 3  
 1975 3710.00 8  
 1976 3230.00 11  
 1977 1710.00 16  
 1978 4350.00 4  
 1979 3150.00 12  
 1980 3900.00 5  
 1981 3090.00 13  
 1982 4820.00 2  
 1983 2890.00 14  
 1984 3770.00 6  
 1985 3460.00 9

## 03329000 WABASH RIVER AT LOGANSPOUT, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	3223.0	5697.0	2272.0	1674.0	4868.0	4399.0	6490.0	6150.0	1543.0	1118.0	1366.0	1020.0
1971	1787.0	2352.0	1839.0	926.00	8498.0	6500.0	929.00	1808.0	2337.0	940.00	437.00	1880.0
1972	1671.0	1251.0	6761.0	4018.0	1213.0	4365.0	10900.0	5522.0	2064.0	2060.0	729.00	4699.0
1973	5794.0	10940.0	9317.0	6169.0	4134.0	7814.0	9152.0	3236.0	5187.0	1623.0	3358.0	997.00
1974	1346.0	2313.0	6144.0	11240.0	12390.0	6905.0	6374.0	5715.0	2085.0	794.00	526.00	1125.0
1975	1076.0	2100.0	4739.0	6098.0	7209.0	7135.0	3094.0	2715.0	6077.0	954.00	1234.0	2366.0
1976	1619.0	1725.0	5188.0	3555.0	10730.0	9955.0	1564.0	782.00	1402.0	1318.0	524.00	618.00
1977	1067.0	1030.0	474.00	346.00	1334.0	6440.0	2880.0	1625.0	502.00	816.00	1552.0	2387.0
1978	1857.0	2708.0	8129.0	4025.0	1108.0	10080.0	13350.0	5480.0	1781.0	1690.0	738.00	956.00
1979	1191.0	1412.0	1928.0	2309.0	2162.0	12290.0	5633.0	1763.0	1953.0	2317.0	3521.0	1115.0
1980	1519.0	3001.0	5762.0	3077.0	2938.0	10190.0	5252.0	1250.0	6781.0	2459.0	3325.0	1225.0
1981	1155.0	1472.0	1089.0	866.00	5055.0	1780.0	2694.0	6342.0	8084.0	5991.0	1063.0	1755.0
1982	1708.0	2105.0	2117.0	5991.0	7948.0	18180.0	12220.0	2302.0	3471.0	939.00	576.00	540.00
1983	974.00	3017.0	6866.0	3127.0	2471.0	1550.0	6493.0	7088.0	1327.0	830.00	362.00	499.00
1984	1251.0	2608.0	7200.0	977.00	7445.0	9012.0	8508.0	4504.0	1523.0	1269.0	677.00	471.00
1985	1435.0	2058.0	2687.0	4619.0	7101.0	12910.0	5392.0	1102.0	1738.0	848.00	995.00	910.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1164.00	1535.00	1975.00	1151.00	2239.00	4909.00
FIFTIETH PERCENTILE					
1477.00	2209.00	4964.00	3341.00	4962.00	7475.00
SEVENTY FIFTH PERCENTILE					
1767.00	2928.00	6840.00	5648.00	7822.00	10160.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
2934.00	1660.00	1528.00	871.00	539.00	691.00
FIFTIETH PERCENTILE					
6004.00	2976.00	2009.00	1194.00	867.00	1068.00
SEVENTY FIFTH PERCENTILE					
8991.00	5667.00	4758.00	1968.00	1506.00	1849.00

03329400 RATTLESNAKE CREEK NEAR PATTON, IN

LOCATION.--Lat 40°42'46", long 86°41'49", in NW¼SW¼ sec.7, T.26 N., R.2 W., Carroll County, Hydrologic Unit 05120105, on left bank 5 ft downstream from bridge on County Road 900 West, and 2.5 mi northeast of Patton.

DRAINAGE AREA.--6.83 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 644.97 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 28, 1979, at datum 1.00 ft higher.

AVERAGE DISCHARGE.--17 years, 6.93 ft<sup>3</sup>/s, 13.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 456 ft<sup>3</sup>/s June 5, 1981, gage height, 5.12 ft; maximum gage height, 5.30 ft June 14, 1975; minimum daily discharge, 0.10 ft<sup>3</sup>/s Sept. 8-10, 13, 14, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969											17	22	11	8	25	28	47	34	36	24	22	16	13	18	11	9	10	4	3	3	3	1			
1970										1	3	11	17	31	32	33	33	30	28	36	30	15	14	15	6	6	10	8	2	2	1	1			
1971										2	15	34	26	24	45	34	34	36	32	20	16	7	12	8	6	10	2	2							
1972										1	6	17	12	44	50	25	34	34	34	32	23	11	9	12	9	3	5	2	3						
1973													11	20	21	19	27	30	32	37	34	34	33	19	20	10	10	5	3						
1974					1	18	7	3	7	9	14	10	5	5	16	10	14	21	35	29	25	21	28	26	17	16	16	6	4	2					
1975							1	5	6	12	7	13	14	9	34	16	21	38	36	53	29	13	11	9	12	9	7	4	3	2	1				
1976					1	17	11	14	9	8	7	6	4	12	57	45	37	35	33	19	14	7	6	3	4	7	2	4	3	1					
1977	27	14	23	6	2	14	13	32	27	11	21	14	7	22	21	19	14	18	13	9	6	4	10	5	1	5	1	2	3			1			
1978							2	9	8	6	4	7	12	56	17	31	29	36	33	29	9	11	15	10	10	10	9	6	5					1	
1979								13	12	49	32	52	30	23	25	21	11	7	18	18	13	11	12	5	7	3			1			1	1		
1980								3	6	28	38	30	11	27	25	36	34	30	16	16	11	10	9	8	9	7	4	2	4			1			1
1981										34	61	51	36	29	22	17	13	15	18	14	9	7	8	5	7	4	2	4	4			1	3	1	
1982							25	19	9	7	17	27	34	44	28	22	23	12	12	13	7	5	12	13	8	10	8	6	3	1					
1983				5	9	9	14	9	6	17	17	18	6	10	10	10	35	44	41	27	12	12	12	11	11	6	6	3	2	2			1		
1984					24	11	12	9	5	10	18	27	19	14	47	27	21	19	18	18	10	12	10	10	10	4	3	3	3	1			1		
1985					4	20	23	11	11	16	12	16	29	40	29	22	24	16	17	17	7	7	16	7	6	6	3	2			1	1	1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.00	12	0.93	285	4951	79.74	24	18.0	161	593	9.55
1	0.06	27	6209	100.00	13	1.2	341	4666	75.15	25	23.0	139	432	6.96
2	0.08	14	6182	99.57	14	1.5	535	4325	69.66	26	30.0	112	293	4.72
3	0.10	28	6168	99.34	15	2.0	442	3790	61.04	27	39.0	73	181	2.92
4	0.13	17	6140	98.89	16	2.5	463	3348	53.92	28	49.0	53	108	1.74
5	0.16	74	6123	98.61	17	3.2	466	2885	46.46	29	63.0	29	55	0.89
6	0.21	78	6049	97.42	18	4.1	447	2419	38.96	30	81.0	8	26	0.42
7	0.27	109	5971	96.17	19	5.3	413	1972	31.76	31	100.0	9	18	0.29
8	0.34	127	5862	94.41	20	6.8	332	1559	25.11	32	130.0	6	9	0.14
9	0.44	184	5735	92.37	21	8.7	205	1227	19.76	33	170.0	1	3	0.05
10	0.56	284	5551	89.40	22	11.0	206	1022	16.46	34	220.0	2	2	0.03
11	0.72	316	5267	84.83	23	14.0	223	816	13.14					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.32  
P90 = 0.54  
P75 = 1.2  
P70 = 1.5  
P50 = 2.9  
P25 = 6.8  
P10 = 17.5



## 03329400 RATTLESNAKE CREEK NEAR PATTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	0.56 12	0.58 11	0.59 11	0.67 11	0.91 13	1.60 12	3.40 15	4.10 15	5.10 12
1971	0.56 13	0.67 14	0.76 14	0.85 14	1.10 14	1.80 14	2.60 14	3.60 13	5.00 11
1972	0.51 10	0.53 10	0.57 10	0.64 10	0.78 10	1.10 10	1.50 11	1.50 10	2.60 10
1973	0.55 11	0.62 13	0.68 13	0.72 12	0.86 11	1.90 15	2.20 12	3.00 12	5.40 14
1974	0.61 15	0.68 15	0.81 15	1.30 15	1.40 15	1.70 13	2.50 13	4.00 14	5.60 15
1975	0.14 3	0.15 3	0.16 3	0.18 3	0.21 3	0.30 4	0.40 2	0.62 3	1.19 4
1976	1.30 16	1.40 16	1.50 16	1.60 16	1.90 16	2.60 16	3.90 16	4.20 16	5.30 13
1977	0.06 1	0.06 1	0.06 1	0.06 1	0.06 1	0.08 1	0.15 1	0.22 1	0.24 1
1978	0.21 5	0.23 5	0.24 5	0.27 5	0.39 6	0.62 7	1.00 9	1.70 11	7.10 16
1979	0.32 7	0.33 7	0.35 7	0.37 7	0.41 7	0.50 6	0.58 6	0.79 6	1.19 5
1980	0.33 8	0.34 8	0.35 8	0.47 8	0.56 9	0.66 8	0.76 8	0.92 8	1.50 6
1981	0.41 9	0.44 9	0.47 9	0.48 9	0.55 8	0.68 9	0.67 7	0.74 5	0.81 2
1982	0.58 14	0.59 12	0.63 12	0.74 13	0.89 12	1.30 11	1.30 10	1.40 9	1.60 7
1983	0.29 6	0.29 6	0.30 6	0.31 6	0.33 5	0.40 5	0.50 4	0.71 4	1.90 8
1984	0.10 2	0.10 2	0.11 2	0.13 2	0.17 2	0.26 2	0.41 3	0.56 2	1.19 3
1985	0.18 4	0.18 4	0.18 4	0.19 4	0.22 4	0.26 3	0.55 5	0.89 7	2.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	105.00 9	92.00 5	57.00 6	38.00 5	23.00 11	17.00 10	14.00 12	13.00 9	12.00 7
1970	104.00 10	80.00 10	52.00 10	32.00 13	29.00 5	22.00 4	16.00 7	13.00 10	11.00 8
1971	48.00 17	34.00 17	24.00 17	16.00 17	12.00 17	9.50 17	7.00 17	6.60 17	6.10 17
1972	61.00 16	44.00 16	28.00 16	23.00 16	17.00 16	12.00 16	9.80 16	8.20 16	8.00 14
1973	70.00 14	59.00 14	43.00 15	32.00 14	25.00 6	20.00 6	16.00 8	16.00 6	16.00 2
1974	74.00 13	64.00 13	47.00 12	35.00 12	24.00 7	20.00 7	20.00 1	19.00 1	17.00 1
1975	91.00 11	66.00 12	44.00 13	36.00 9	22.00 12	15.00 15	12.00 13	11.00 13	11.00 9
1976	68.00 15	55.00 15	43.00 14	37.00 6	24.00 8	16.00 13	11.00 15	11.00 14	8.00 15
1977	124.00 8	84.00 6	57.00 7	35.00 10	21.00 13	17.00 11	12.00 14	9.10 15	7.20 16
1978	146.00 5	81.00 8	67.00 3	49.00 3	34.00 2	21.00 5	18.00 4	17.00 4	13.00 4
1979	169.00 4	107.00 3	59.00 5	35.00 11	24.00 9	19.00 8	15.00 9	12.00 11	8.60 13
1980	220.00 2	106.00 4	64.00 4	37.00 7	20.00 15	15.00 14	14.00 10	14.00 7	10.00 12
1981	169.00 3	113.00 2	91.00 2	52.00 2	34.00 3	24.00 3	18.00 5	14.00 8	11.00 10
1982	81.00 12	71.00 11	53.00 8	40.00 4	39.00 1	26.00 1	20.00 2	18.00 2	14.00 3
1983	145.00 6	84.00 7	48.00 11	28.00 15	23.00 10	18.00 9	14.00 11	12.00 12	11.00 11
1984	138.00 7	80.00 9	53.00 9	36.00 8	21.00 14	16.00 12	17.00 6	16.00 5	12.00 5
1985	234.00 1	180.00 1	92.00 1	54.00 1	33.00 4	25.00 2	18.00 3	17.00 3	12.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	7.90 9
1971	7.90 10
1972	3.90 2
1973	11.00 16
1974	10.00 15
1975	7.00 8
1976	8.40 11
1977	1.50 1
1978	9.20 13
1979	6.40 6
1980	4.70 4
1981	4.30 3
1982	9.90 14
1983	5.40 5
1984	6.60 7
1985	8.60 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	8.60 4
1970	8.10 5
1971	4.70 16
1972	5.50 13
1973	12.00 1
1974	9.80 2
1975	7.30 7
1976	4.80 15
1977	4.20 17
1978	9.30 3
1979	4.90 14
1980	5.80 11
1981	5.80 12
1982	7.40 6
1983	6.30 10
1984	6.50 9
1985	6.90 8

03329400 RATTLESNAKE CREEK NEAR PATTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	1.01	5.75	9.71	20.60	6.16	4.93	11.00	8.95	11.70	19.50	2.09	1.83
1970	7.40	13.00	3.72	3.06	3.69	8.27	22.70	17.70	3.86	2.16	3.13	9.16
1971	4.64	8.45	3.93	1.26	11.70	7.32	2.38	2.36	8.60	3.67	0.85	2.22
1972	1.67	1.33	11.80	5.69	2.37	3.50	17.20	6.95	4.74	3.01	1.14	7.23
1973	9.88	17.20	16.00	14.00	7.35	22.40	16.50	5.92	11.40	9.56	7.17	1.74
1974	1.92	8.00	13.10	20.40	11.60	13.50	23.60	15.50	6.99	2.13	0.55	0.22
1975	0.47	1.25	2.88	11.50	13.30	6.45	5.22	6.60	22.10	4.43	5.00	9.59
1976	3.18	3.09	7.81	3.27	21.70	9.30	3.53	2.04	2.90	1.34	0.37	0.22
1977	0.38	0.39	0.11	0.07	2.32	4.85	3.24	3.79	0.93	0.45	13.10	21.50
1978	12.20	3.74	19.00	3.77	1.73	26.20	14.10	10.50	9.48	7.95	1.52	0.54
1979	0.49	0.72	2.37	1.91	3.16	23.40	14.60	5.19	2.82	1.90	1.42	0.66
1980	0.67	2.55	4.73	3.21	7.08	11.40	14.50	2.62	20.30	1.32	0.89	0.60
1981	0.84	0.61	1.34	0.57	6.87	1.57	7.04	28.40	17.70	2.26	0.94	1.69
1982	1.74	1.61	1.39	8.87	18.00	29.20	10.80	10.50	5.44	1.37	0.47	0.36
1983	0.72	4.91	15.20	3.83	5.92	5.86	18.10	16.30	3.20	1.14	0.36	0.18
1984	0.87	2.01	6.58	1.54	13.60	16.00	11.40	19.50	4.54	1.65	0.36	0.23
1985	2.35	4.37	7.64	10.90	24.70	16.40	12.10	2.41	1.51	0.75	0.40	0.26

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.70	1.29	2.62	1.72	3.42	5.39
FIFTIETH PERCENTILE					
1.67	3.09	6.58	3.77	7.08	9.30
SEVENTY FIFTH PERCENTILE					
3.91	6.87	12.50	11.20	13.50	19.40
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
6.13	3.20	3.05	1.33	0.44	0.25
FIFTIETH PERCENTILE					
12.10	6.95	5.44	2.13	0.94	0.66
SEVENTY FIFTH PERCENTILE					
16.80	15.90	11.60	4.05	2.61	4.72

LOCATION.--Lat 40°35'26", long 86°41'54", in SE4SE4 sec.24, T.25 N., R.3 W., Carroll County, Hydrologic Unit 05120105, on downstream side of second pier from left abutment of highway bridge, 1 mi west of Delphi, 1.6 mi upstream from Deer Creek, 8.6 mi upstream from Tippecanoe River, and at mile 330.8.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,300 ft<sup>3</sup>/s May 19, 1943, gage height, 25.60 ft; maximum gage height, 27.48 ft Feb. 11, 1959 (ice jam); minimum daily discharge, 1.58 ft<sup>3</sup>/s Sept. 19, 20, 1941. Maximum stage known, 28.4 ft Mar. 26, 1913, from information by State Highway Commission (discharge, 145,000 ft<sup>3</sup>/s, from rating curve extended above 82,000 ft<sup>3</sup>/s).

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
													NUMBER OF DAYS IN CLASS																								
1941		28	31	10	9	28	49	35	43	31	19	29	16	12	7	4	6	2	1			1	1	1	1	1											
1942			2	1	7	11	17	36	50	27	17	25	42	21	22	7	17	4	12	2	6	5	6	9	3	6	5	3	2								
1943						1	14	9	14	18	17	8	36	36	43	22	25	20	24	17	12	10	6	4	1	6	10	3								2	1
1944					6	21	33	48	94	17	10	8	9	9	4	6	5	7	12	19	9	11	10	7	4	2	4	3			4	1	1	2			
1945					5	35	44	33	22	17	10	10	15	19	14	18	18	21	16	9	9	10	8	3	11	1	7	2	3	4	1						
1946					1	15	12	18	21	9	11	21	24	43	35	25	17	17	12	15	12	10	9	11	12	4	3	4	2	2							
1947					6	11	2	20	40	32	33	25	11	24	15	19	12	10	14	11	18	12	11	11	6	5	3	5	3	1							
1948						5	19	22	10	20	27	44	34	26	14	25	13	12	10	11	7	11	4	8	11	6	7	10	5	4	1						
1949								26	33	14	15	7	20	17	24	26	25	28	19	20	15	8	12	8	13	7	8	5	5	3	4	3					
1950							2	1	15	34	19	18	23	22	23	16	12	11	20	21	13	20	21	12	7	12	9	8	2	11	7	4	1	1			
1951																																					
1952						2	23	11	15	26	10	12	18	28	29	24	17	18	15	21	17	18	10	11	11	4	11	6	3	5							
1953						1	21	25	26	21	13	17	21	16	12	13	24	24	22	23	8	18	11	13	13	7	6	9	10	5	5						
1954						27	13	25	44	20	11	5	17	26	22	25	25	22	18	14	9	9	11	7	6	4	2	1	2								
1955						12	32	63	56	20	24	21	18	18	22	14	13	9	9	9	3	2	4	1	1												
						15	12	11	11	10	19	23	42	30	32	22	17	24	17	13	16	7	11	4	9	8	5	2	3	2							
1956						9	11	10	19	20	17	27	31	29	14	21	21	13	18	21	18	10	18	11	14	2											

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	8766	100.00	12	1200.0	610	4723	53.88	24	12000.0	107	562	6.41
1	158.0	51	8766	100.00	13	1500.0	491	4113	46.92	25	14000.0	118	455	5.19
2	190.0	62	8715	99.42	14	1800.0	466	3622	41.32	26	17000.0	112	337	3.84
3	230.0	88	8653	98.71	15	2200.0	405	3156	36.00	27	21000.0	77	225	2.57
4	280.0	238	8565	97.71	16	2600.0	424	2751	31.38	28	25000.0	51	148	1.69
5	330.0	401	8327	94.99	17	3200.0	325	2327	26.55	29	30000.0	50	97	1.11
6	400.0	653	7926	90.42	18	3800.0	332	2002	22.84	30	36000.0	22	47	0.54
7	490.0	612	7273	82.97	19	4600.0	286	1670	19.05	31	44000.0	14	25	0.29
8	590.0	498	6661	75.99	20	5600.0	217	1384	15.79	32	53000.0	6	11	0.13
9	710.0	535	6163	70.31	21	6700.0	230	1167	13.31	33	64000.0	4	5	0.06
10	850.0	415	5628	64.20	22	8100.0	194	937	10.69	34	77000.0	1	1	0.01
11	1000.0	490	5213	59.47	23	9800.0	181	743	8.48					

P95 =	330.0
P90 =	405.0
P75 =	611.0
P70 =	717.0
P50 =	1370.0
P25 =	3450.0
P10 =	8630.0

## 03329500 WABASH RIVER AT DELPHI, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	185.00 3	189.00 3	194.00 3	198.00 3	227.00 3	238.00 3	275.00 3	328.00 2	473.00 5
1942	158.00 1	160.00 1	165.00 1	170.00 1	186.00 2	194.00 1	264.00 2	328.00 3	432.00 3
1943	395.00 17	407.00 17	416.00 16	435.00 16	538.00 17	685.00 17	922.00 17	1470.00 21	1580.00 17
1944	320.00 12	357.00 14	423.00 17	451.00 17	489.00 15	500.00 12	526.00 11	668.00 10	857.00 10
1945	250.00 6	253.00 4	267.00 5	290.00 7	311.00 7	342.00 6	379.00 6	383.00 5	399.00 2
1946	474.00 21	481.00 21	503.00 21	574.00 21	885.00 23	1230.00 23	1420.00 23	2210.00 24	2030.00 21
1947	270.00 8	274.00 7	277.00 6	279.00 4	291.00 4	347.00 7	402.00 7	438.00 7	646.00 9
1948	391.00 15	397.00 15	406.00 14	420.00 15	596.00 19	686.00 18	756.00 16	820.00 16	974.00 12
1949	309.00 11	309.00 11	317.00 10	338.00 10	379.00 10	457.00 10	502.00 10	699.00 11	1220.00 13
1950	472.00 20	474.00 20	490.00 20	518.00 20	665.00 20	724.00 19	1010.00 19	1280.00 17	1690.00 19
1951	654.00 24	693.00 24	735.00 24	782.00 23	946.00 24	1610.00 24	2160.00 24	2060.00 23	2410.00 23
1952	393.00 16	397.00 16	408.00 15	411.00 14	430.00 13	461.00 11	589.00 12	749.00 13	1370.00 16
1953	465.00 19	465.00 19	468.00 19	480.00 18	493.00 16	541.00 14	667.00 15	722.00 12	965.00 11
1954	265.00 7	268.00 6	277.00 7	288.00 6	294.00 5	306.00 4	323.00 4	344.00 4	434.00 4
1955	247.00 5	253.00 5	259.00 4	280.00 5	340.00 8	609.00 15	628.00 13	772.00 14	1330.00 15
1956	296.00 10	298.00 10	303.00 9	310.00 9	347.00 9	652.00 16	1280.00 22	1430.00 20	1610.00 18
1957	280.00 9	287.00 8	294.00 8	299.00 8	309.00 6	333.00 5	369.00 5	431.00 6	581.00 8
1958	460.00 18	460.00 18	465.00 18	507.00 19	574.00 18	855.00 21	962.00 18	1420.00 19	3010.00 24
1959	620.00 23	620.00 23	620.00 22	625.00 22	684.00 21	799.00 20	1070.00 21	1520.00 22	2270.00 22
1960	335.00 13	335.00 12	342.00 12	375.00 12	473.00 14	532.00 13	664.00 14	781.00 15	1250.00 14
1961	240.00 4	297.00 9	336.00 11	357.00 11	397.00 11	419.00 8	451.00 8	455.00 8	519.00 6
1962	610.00 22	610.00 22	653.00 23	789.00 24	879.00 22	977.00 22	1030.00 20	1360.00 18	1710.00 20
1963	355.00 14	357.00 13	367.00 13	386.00 13	404.00 12	442.00 9	486.00 9	499.00 9	533.00 7
1964	174.00 2	174.00 2	175.00 2	175.00 2	184.00 1	205.00 2	243.00 1	263.00 1	337.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1941	12100.00 23	10700.00 23	7690.00 23	4540.00 24	2740.00 24	1690.00 24	1650.00 24	1420.00 24	1240.00 24
1942	25800.00 20	23500.00 20	17000.00 18	12800.00 20	8300.00 20	7520.00 18	6790.00 16	5410.00 18	4350.00 18
1943	82100.00 1	75400.00 1	52800.00 2	38700.00 2	22700.00 2	12600.00 4	10500.00 5	8690.00 7	7230.00 6
1944	49600.00 5	46200.00 5	34400.00 5	23900.00 5	15700.00 8	10500.00 11	9060.00 11	7380.00 11	5020.00 14
1945	30600.00 16	27700.00 14	22600.00 15	13100.00 18	10100.00 17	7950.00 16	7380.00 14	6630.00 14	5140.00 13
1946	25300.00 21	22500.00 21	14800.00 22	11500.00 21	7590.00 22	6080.00 21	6170.00 19	5140.00 19	4630.00 15
1947	30800.00 15	27300.00 15	22900.00 14	15800.00 14	11000.00 15	10300.00 12	8620.00 12	6960.00 12	5720.00 11
1948	31100.00 14	26900.00 16	23800.00 12	18400.00 11	16200.00 7	11400.00 9	9770.00 8	7990.00 8	6320.00 8
1949	43400.00 7	38300.00 7	25600.00 10	22300.00 7	18200.00 6	14600.00 2	11300.00 3	9480.00 4	7330.00 5
1950	66600.00 3	59700.00 2	43700.00 4	39700.00 1	29200.00 1	22300.00 1	18200.00 1	16800.00 1	12400.00 1
1951	34800.00 11	32500.00 12	27700.00 9	20000.00 9	13000.00 11	10600.00 10	9230.00 10	8720.00 6	8040.00 4
1952	34800.00 12	32400.00 13	21900.00 16	18300.00 12	15100.00 9	11600.00 8	11000.00 4	10400.00 3	8660.00 2
1953	27200.00 19	23800.00 17	15800.00 21	12900.00 19	9710.00 18	7030.00 19	5850.00 20	5050.00 20	4240.00 20
1954	10300.00 24	8650.00 24	5940.00 24	4740.00 23	3830.00 23	2800.00 23	2580.00 23	2360.00 23	1860.00 23
1955	28400.00 18	23700.00 18	19300.00 17	13200.00 17	9650.00 19	6930.00 20	6570.00 17	5960.00 15	4530.00 17
1956	29000.00 17	23500.00 19	16600.00 19	13300.00 16	11000.00 16	8060.00 15	6310.00 18	5760.00 17	4600.00 16
1957	40600.00 8	37600.00 8	33800.00 6	23300.00 6	18500.00 5	12000.00 6	9980.00 6	9030.00 5	7050.00 7
1958	60300.00 4	59500.00 3	53200.00 1	34300.00 3	19600.00 4	12600.00 5	9860.00 7	7860.00 9	6130.00 9
1959	68900.00 2	59500.00 4	43800.00 3	25400.00 4	21700.00 3	14200.00 3	11600.00 2	11500.00 2	8480.00 3
1960	24500.00 22	22400.00 22	15800.00 20	9970.00 22	7610.00 21	5900.00 22	5270.00 22	4930.00 21	4220.00 21
1961	33300.00 13	32800.00 11	28600.00 8	21700.00 8	15100.00 10	11600.00 7	9390.00 9	7560.00 10	5810.00 10
1962	37000.00 10	34000.00 10	23100.00 13	14500.00 15	12000.00 13	10200.00 13	8550.00 13	6900.00 13	5270.00 12
1963	48000.00 6	43800.00 6	30600.00 7	18700.00 10	12000.00 14	7640.00 17	5580.00 21	4540.00 22	3250.00 22
1964	39500.00 9	36300.00 9	25300.00 11	16500.00 13	12800.00 12	10000.00 14	7270.00 15	5770.00 16	4280.00 19

## 03329500 WABASH RIVER AT DELPHI, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	1300.00	1
1942	1890.00	4
1943	3050.00	11
1944	3780.00	15
1945	2830.00	9
1946	4150.00	16
1947	1950.00	6
1948	4210.00	17
1949	4960.00	20
1950	6380.00	24
1951	5480.00	22
1952	4760.00	19
1953	3330.00	13
1954	1330.00	2
1955	2930.00	10
1956	3110.00	12
1957	1910.00	5
1958	5020.00	21
1959	5900.00	23
1960	3550.00	14
1961	2200.00	8
1962	4570.00	18
1963	2150.00	7
1964	1380.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1941	842.00	24
1942	2660.00	19
1943	4700.00	6
1944	2790.00	18
1945	2910.00	16
1946	3090.00	15
1947	3280.00	12
1948	3610.00	9
1949	4530.00	7
1950	7310.00	1
1951	4870.00	3
1952	4950.00	2
1953	2510.00	20
1954	1160.00	23
1955	3130.00	14
1956	3310.00	11
1957	3900.00	8
1958	4740.00	5
1959	4850.00	4
1960	2850.00	17
1961	3220.00	13
1962	3390.00	10
1963	1850.00	22
1964	2300.00	21

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	*	*	*	*	*	*	6769.0	1787.0	1647.0	565.00	258.00	233.00
1941	429.00	492.00	1000.0	869.00	898.00	712.00	1594.0	614.00	2736.0	422.00	211.00	186.00
1942	495.00	738.00	731.00	716.00	7211.0	7443.0	5914.0	1255.0	2197.0	924.00	3816.0	900.00
1943	539.00	3280.0	3846.0	3923.0	3774.0	6345.0	2226.0	21520.0	2616.0	2968.0	3230.0	1730.0
1944	554.00	1127.0	541.00	499.00	2232.0	5817.0	14930.0	5599.0	1223.0	447.00	395.00	322.00
1945	419.00	551.00	391.00	342.00	2608.0	6929.0	7841.0	6506.0	4561.0	1274.0	1895.0	1686.0
1946	4655.0	1405.0	2813.0	5743.0	5056.0	6358.0	1492.0	3900.0	3705.0	1198.0	481.00	342.00
1947	396.00	546.00	990.00	3912.0	3219.0	3232.0	7604.0	7770.0	8753.0	1266.0	994.00	763.00
1948	641.00	890.00	1320.0	4614.0	4821.0	11120.0	9221.0	5848.0	2156.0	1692.0	611.00	454.00
1949	470.00	2525.0	4757.0	17770.0	10320.0	4033.0	3095.0	4092.0	3584.0	2361.0	848.00	798.00
1950	2748.0	875.00	4694.0	28240.0	14720.0	10770.0	11970.0	3031.0	3896.0	2303.0	947.00	4017.0
1951	1734.0	4395.0	8272.0	7374.0	11870.0	6639.0	8170.0	4355.0	2035.0	2907.0	721.00	448.00
1952	650.00	1507.0	4647.0	13290.0	8443.0	10010.0	9200.0	6059.0	2977.0	873.00	848.00	959.00
1953	507.00	851.00	2030.0	3464.0	3167.0	8995.0	4032.0	3658.0	1393.0	970.00	746.00	316.00
1954	308.00	376.00	423.00	809.00	942.00	2005.0	3580.0	1239.0	2382.0	660.00	857.00	364.00
1955	3673.0	1189.0	2411.0	5970.0	3286.0	9425.0	4115.0	1627.0	1539.0	2757.0	1073.0	349.00
1956	2427.0	6316.0	1540.0	797.00	8429.0	6693.0	3036.0	3873.0	4033.0	1763.0	698.00	430.00
1957	318.00	423.00	823.00	2510.0	2733.0	2427.0	18160.0	5626.0	4639.0	7343.0	915.00	1086.0
1958	1757.0	2514.0	10400.0	2889.0	1756.0	3075.0	2215.0	1939.0	19100.0	5411.0	4709.0	1027.0
1959	770.00	2832.0	1458.0	9231.0	17250.0	5994.0	11030.0	6054.0	2315.0	1255.0	566.00	528.00
1960	1093.0	2114.0	2999.0	5060.0	6267.0	3580.0	4160.0	2708.0	2690.0	2044.0	1180.0	510.00
1961	440.00	518.00	416.00	450.00	1248.0	9932.0	12560.0	5065.0	1934.0	1520.0	3346.0	1122.0
1962	919.00	2181.0	1251.0	8669.0	5989.0	10360.0	2068.0	2176.0	2339.0	3504.0	682.00	617.00
1963	558.00	586.00	436.00	463.00	663.00	11510.0	3207.0	1592.0	1360.0	995.00	428.00	223.00
1964	192.00	344.00	296.00	613.00	459.00	6798.0	12410.0	2333.0	1255.0	2288.0	377.00	326.00

## WABASH RIVER BASIN

03329500 WABASH RIVER AT DELPHI, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
432.00	547.00	589.00	736.00	1875.00	3693.00
FIFTIETH PERCENTILE					
556.00	1009.00	1389.00	3688.00	3530.00	6666.00
SEVENTY FIFTH PERCENTILE					
1574.00	2431.00	3634.00	7023.00	8125.00	9805.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
3066.00	1863.00	1791.00	947.00	524.00	334.00
FIFTIETH PERCENTILE					
5914.00	3873.00	2382.00	1520.00	848.00	510.00
SEVENTY FIFTH PERCENTILE					
10130.00	5737.00	3801.00	2559.00	1127.00	993.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1970			6	15	3	4	15	13	18	7	18	13	21	26	21	27	14	14	9	13	14	6	10	10	4	7	7	11	11	10	11	1	4	1	1
1971		8	11	17	14	18	20	16	16	7	24	13	20	24	30	22	18	9	5	11	10	5	6	4	4	4	3	3	3	2	4	4	7	3	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	730	100.00	12	1500.0	41	454	62.19	24	5800.0	8	105	14.38
1	440.0	8	730	100.00	13	1700.0	50	413	56.58	25	6500.0	11	97	13.29
2	490.0	17	722	98.90	14	1900.0	51	363	49.73	26	7300.0	10	86	11.78
3	550.0	32	705	96.58	15	2100.0	49	312	42.74	27	8200.0	14	76	10.41
4	620.0	17	673	92.19	16	2400.0	32	263	36.03	28	9100.0	14	62	8.49
5	690.0	22	656	89.86	17	2700.0	23	231	31.64	29	10000.0	12	48	6.58
6	770.0	35	634	86.85	18	3000.0	14	208	28.49	30	11000.0	15	36	4.93
7	860.0	29	599	82.05	19	3300.0	24	194	26.58	31	13000.0	5	21	2.88
8	970.0	34	570	78.08	20	3700.0	24	170	23.29	32	14000.0	11	16	2.19
9	1100.0	14	536	73.42	21	4200.0	11	146	20.00	33	16000.0	4	5	0.68
10	1200.0	42	522	71.51	22	4700.0	16	135	18.49	34	18000.0	1	1	0.14
11	1400.0	26	480	65.75	23	5200.0	14	119	16.30					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 576.0  
 P90 = 686.0  
 P75 = 1060.0  
 P70 = 1250.0  
 P50 = 1890.0  
 P25 = 3500.0  
 P10 = 8390.0

	LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31																	
YEAR	1		3		7		14		30		60		90		120		183	
1971	\$31.00	1	\$33.00	1	\$48.00	1	\$63.00	1	\$48.00	1	\$106.00	1	\$133.00	1	\$143.00	1	\$169.00	1

[illegible]

## WABASH RIVER BASIN

03329700 DEER CREEK NEAR DELPHI. IN

LOCATION.--Lat 40°35'25", long 86°37'15", in NE¼NE¼ sec.27, T.25 N., R.2 W., Carroll County, Hydrologic Unit 05120105, on downstream side of left wingwall of highway bridge, 2.6 mi northeast of Delphi Post Office, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--274 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1985. Prior to March 1944 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 553.81 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark, levels by State of Indiana, Department of Natural Resources).

**AVERAGE DISCHARGE.--**42 years, 242 ft<sup>3</sup>/s, 11.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft<sup>3</sup>/s June 10, 1958, gage height, 18.26 ft; minimum daily, 6.2 ft<sup>3</sup>/s Sept. 25-28, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 19.8 ft. from floodmarks, discharge, 18,000 ft<sup>3</sup>/s, from rating curve extended above 8,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

[illegible]



## 03329700 DEER CREEK NEAR DELPHI, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14975	100.00	12	70.0	1058	9121	60.91	24	980.0	198	733	4.89
1	6.2	11	14975	100.00	13	87.0	1149	8063	53.84	25	1200.0	162	535	3.57
2	7.7	40	14964	99.93	14	110.0	1082	6914	46.17	26	1500.0	152	373	2.49
3	9.6	52	14924	99.66	15	140.0	818	5832	38.94	27	1900.0	91	221	1.48
4	12.0	158	14872	99.31	16	170.0	802	5014	33.48	28	2400.0	60	130	0.87
5	15.0	283	14714	98.26	17	210.0	745	4212	28.13	29	3000.0	33	70	0.47
6	19.0	423	14431	96.37	18	260.0	734	3467	23.15	30	3700.0	13	37	0.25
7	23.0	813	14008	93.54	19	330.0	582	2733	18.25	31	4600.0	9	24	0.16
8	29.0	919	13195	88.11	20	410.0	476	2151	14.36	32	5700.0	7	15	0.10
9	36.0	1143	12276	81.98	21	510.0	359	1675	11.19	33	7100.0	6	8	0.05
10	45.0	1028	11133	74.34	22	630.0	321	1316	8.79	34	8900.0	2	2	0.01
11	56.0	984	10105	67.48	23	790.0	262	995	6.64					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	20.9
P90 =	26.9
P75 =	44.2
P70 =	52.0
P50 =	98.5
P25 =	241.0
P10 =	569.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	12.00 8	12.00 7	12.00 6	13.00 8	15.00 7	17.00 7	18.00 5	19.00 3	21.00 1
1946	24.00 22	26.00 28	30.00 32	33.00 33	83.00 41	93.00 39	102.00 36	177.00 40	170.00 35
1947	11.00 6	11.00 6	12.00 7	12.00 6	14.00 5	20.00 9	23.00 10	27.00 9	36.00 10
1948	19.00 16	20.00 19	22.00 20	24.00 19	27.00 19	33.00 20	42.00 21	41.00 18	48.00 13
1949	19.00 17	19.00 15	20.00 16	25.00 20	31.00 24	56.00 35	61.00 27	64.00 25	98.00 28
1950	19.00 18	20.00 16	20.00 17	21.00 14	24.00 15	31.00 18	90.00 35	101.00 31	131.00 31
1951	24.00 23	24.00 22	26.00 25	29.00 27	34.00 26	60.00 36	147.00 41	150.00 39	189.00 39
1952	17.00 13	18.00 13	19.00 13	21.00 15	22.00 14	23.00 11	27.00 11	35.00 14	57.00 16
1953	28.00 30	28.00 30	29.00 30	32.00 31	38.00 32	42.00 27	63.00 28	70.00 27	92.00 25
1954	12.00 7	13.00 8	14.00 10	14.00 9	15.00 8	16.00 5	18.00 6	20.00 4	25.00 2
1955	6.20 1	6.20 1	6.30 1	6.90 1	10.00 2	15.00 4	17.00 4	29.00 10	31.00 8
1956	10.00 4	10.00 4	11.00 5	11.00 5	16.00 9	28.00 15	143.00 40	146.00 37	164.00 33
1957	10.00 5	10.00 5	10.00 4	10.00 4	11.00 3	14.00 3	16.00 3	21.00 5	27.00 5
1958	35.00 38	35.00 37	35.00 37	37.00 34	47.00 38	65.00 37	86.00 34	107.00 34	212.00 41
1959	40.00 40	41.00 40	42.00 40	43.00 39	45.00 36	49.00 30	67.00 29	90.00 30	173.00 36
1960	19.00 14	20.00 17	20.00 14	21.00 16	26.00 17	30.00 16	33.00 15	40.00 16	59.00 18
1961	25.00 28	25.00 26	26.00 26	28.00 25	35.00 27	40.00 26	40.00 19	42.00 19	55.00 14
1962	32.00 36	32.00 35	34.00 35	39.00 36	42.00 34	50.00 31	72.00 31	105.00 33	115.00 30
1963	24.00 24	24.00 23	24.00 22	25.00 21	31.00 25	35.00 23	37.00 18	40.00 17	45.00 12
1964	13.00 9	13.00 9	13.00 8	13.00 7	14.00 6	17.00 6	20.00 7	21.00 6	28.00 6
1965	7.70 2	7.70 2	7.70 2	8.50 2	12.00 4	13.00 2	15.00 2	18.00 1	26.00 4
1966	20.00 19	20.00 18	21.00 18	23.00 17	27.00 18	31.00 17	32.00 14	32.00 11	44.00 11
1967	8.00 3	8.00 3	8.60 3	9.00 3	9.40 1	12.00 1	14.00 1	18.00 2	29.00 7
1968	14.00 10	14.00 10	14.00 9	15.00 10	18.00 10	19.00 8	21.00 8	25.00 8	36.00 9
1969	24.00 25	24.00 24	25.00 23	27.00 24	29.00 21	33.00 21	45.00 23	51.00 22	90.00 24
1970	28.00 31	30.00 33	32.00 33	40.00 38	47.00 37	93.00 40	134.00 39	182.00 41	201.00 40
1971	25.00 26	26.00 27	28.00 28	29.00 26	37.00 30	52.00 33	68.00 30	75.00 28	89.00 23
1972	20.00 20	21.00 20	22.00 21	26.00 22	29.00 22	47.00 28	58.00 24	57.00 24	67.00 20
1973	28.00 32	28.00 31	29.00 29	31.00 29	36.00 28	54.00 34	74.00 32	102.00 32	164.00 34
1974	36.00 39	37.00 39	38.00 38	39.00 37	44.00 35	48.00 29	58.00 25	112.00 35	179.00 37
1975	27.00 29	27.00 29	27.00 27	30.00 28	30.00 23	32.00 19	34.00 16	35.00 12	56.00 15
1976	35.00 37	36.00 38	39.00 39	47.00 40	54.00 39	83.00 38	112.00 37	142.00 36	182.00 38
1977	16.00 12	16.00 12	16.00 12	17.00 11	18.00 11	21.00 10	23.00 9	24.00 7	25.00 3
1978	15.00 11	15.00 11	15.00 11	17.00 12	22.00 12	25.00 13	37.00 17	51.00 23	93.00 26
1979	21.00 21	21.00 21	21.00 19	23.00 18	25.00 16	27.00 14	30.00 13	36.00 15	58.00 17
1980	29.00 33	29.00 32	30.00 31	32.00 30	40.00 33	50.00 32	75.00 33	90.00 29	95.00 27
1981	31.00 34	31.00 34	32.00 34	33.00 32	36.00 29	37.00 24	42.00 22	43.00 20	67.00 21
1982	47.00 41	49.00 41	55.00 41	61.00 41	83.00 40	138.00 41	130.00 38	148.00 38	161.00 32
1983	32.00 35	33.00 36	35.00 36	37.00 35	38.00 31	40.00 25	60.00 26	69.00 26	111.00 29
1984	19.00 15	19.00 14	20.00 15	20.00 13	22.00 13	24.00 12	28.00 12	35.00 13	65.00 19
1985	25.00 27	25.00 25	26.00 24	27.00 23	28.00 20	35.00 22	41.00 20	48.00 21	77.00 22

## 03329700 DEER CREEK NEAR DELPHI, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1945	2770.00 28	2430.00 23	1650.00 22	955.00 29	610.00 33	518.00 29	478.00 26	419.00 26	316.00 30
1946	3500.00 18	2200.00 28	1270.00 33	821.00 35	573.00 35	511.00 31	470.00 27	395.00 27	342.00 27
1947	2660.00 30	2040.00 29	1340.00 29	855.00 32	706.00 30	644.00 22	521.00 23	421.00 25	338.00 28
1948	2270.00 34	1470.00 38	1230.00 36	976.00 28	834.00 21	605.00 23	521.00 24	446.00 23	353.00 25
1949	4900.00 11	3160.00 12	1870.00 16	1630.00 12	1420.00 6	1120.00 4	840.00 6	692.00 6	510.00 9
1950	7490.00 5	5290.00 5	3290.00 6	2700.00 2	1930.00 1	1500.00 1	1170.00 1	1090.00 1	824.00 1
1951	2630.00 31	2220.00 27	1710.00 21	1150.00 20	736.00 27	586.00 25	499.00 25	465.00 21	416.00 18
1952	4560.00 12	2960.00 13	1730.00 20	1280.00 16	855.00 20	746.00 11	686.00 8	647.00 7	583.00 4
1953	2840.00 27	1970.00 31	1150.00 37	1010.00 26	754.00 26	513.00 30	435.00 30	365.00 30	314.00 32
1954	1490.00 39	1290.00 39	838.00 39	527.00 39	328.00 40	207.00 40	174.00 40	142.00 40	108.00 40
1955	2160.00 37	1590.00 35	948.00 38	653.00 38	375.00 38	324.00 38	266.00 38	263.00 38	239.00 36
1956	3560.00 15	2620.00 18	1450.00 26	1120.00 22	815.00 23	559.00 27	411.00 32	375.00 29	386.00 22
1957	2690.00 29	1950.00 32	1530.00 23	1120.00 23	948.00 15	680.00 18	597.00 13	614.00 8	442.00 12
1958	12600.00 1	8910.00 1	5800.00 1	3250.00 1	1840.00 2	1260.00 2	1010.00 2	775.00 4	558.00 6
1959	8900.00 2	6320.00 2	3390.00 4	1850.00 8	1290.00 7	850.00 9	869.00 5	799.00 3	568.00 5
1960	2190.00 36	1820.00 33	1260.00 34	745.00 37	525.00 37	409.00 37	358.00 36	350.00 34	315.00 31
1961	2940.00 26	2570.00 19	2150.00 12	1510.00 13	1080.00 12	819.00 10	665.00 10	531.00 16	407.00 20
1962	3310.00 21	2450.00 22	1440.00 27	991.00 27	806.00 25	661.00 20	579.00 17	471.00 20	395.00 21
1963	5300.00 9	3670.00 10	2050.00 14	1140.00 21	729.00 28	496.00 33	382.00 34	315.00 35	234.00 37
1964	3010.00 24	2280.00 25	1490.00 25	951.00 30	729.00 29	503.00 32	378.00 35	311.00 36	241.00 35
1965	1850.00 38	1480.00 37	1280.00 32	861.00 31	673.00 31	541.00 28	449.00 28	385.00 28	290.00 34
1966	308.00 41	268.00 41	226.00 41	193.00 41	162.00 41	121.00 41	119.00 41	112.00 41	99.00 41
1967	3000.00 25	2650.00 17	1770.00 17	1040.00 25	816.00 22	597.00 24	547.00 21	496.00 18	436.00 14
1968	5400.00 8	4730.00 7	3520.00 2	2030.00 5	1200.00 9	907.00 7	718.00 7	595.00 9	524.00 8
1969	5970.00 7	5340.00 4	3390.00 5	1890.00 7	1170.00 10	733.00 13	594.00 14	543.00 15	433.00 15
1970	3180.00 23	2480.00 20	1750.00 18	1160.00 19	984.00 13	717.00 15	550.00 20	473.00 19	408.00 19
1971	2260.00 35	1670.00 34	1310.00 31	845.00 33	596.00 34	433.00 36	313.00 37	300.00 37	230.00 38
1972	3320.00 19	2930.00 15	1980.00 15	1230.00 17	937.00 16	562.00 26	438.00 29	355.00 33	356.00 24
1973	3870.00 13	2360.00 24	1510.00 24	1090.00 24	896.00 18	668.00 19	591.00 15	565.00 13	554.00 7
1974	5100.00 10	4110.00 9	2890.00 7	2030.00 6	1260.00 8	981.00 5	873.00 4	826.00 2	699.00 2
1975	3310.00 20	2250.00 26	1330.00 30	802.00 36	622.00 32	468.00 35	401.00 33	360.00 31	351.00 26
1976	3510.00 17	2480.00 21	2070.00 13	1690.00 10	1130.00 11	682.00 17	565.00 19	499.00 17	361.00 23
1977	1050.00 40	791.00 40	539.00 40	423.00 40	361.00 39	303.00 39	254.00 39	205.00 39	150.00 39
1978	3700.00 14	3400.00 11	2830.00 8	2110.00 4	1430.00 5	888.00 8	679.00 9	585.00 11	461.00 11
1979	2610.00 32	2000.00 30	1380.00 28	1230.00 18	813.00 24	737.00 12	568.00 18	451.00 22	334.00 29
1980	6020.00 6	4460.00 8	2800.00 9	1630.00 11	907.00 17	645.00 21	638.00 12	587.00 10	468.00 10
1981	2280.00 33	1580.00 36	1240.00 35	827.00 34	572.00 36	484.00 34	413.00 31	356.00 32	291.00 33
1982	3220.00 22	2940.00 14	2300.00 11	1720.00 9	1550.00 3	1150.00 3	909.00 3	770.00 5	609.00 3
1983	7560.00 4	4820.00 6	2680.00 10	1450.00 14	982.00 14	707.00 16	536.00 22	432.00 24	429.00 17
1984	3530.00 16	2660.00 16	1730.00 19	1380.00 15	860.00 19	722.00 14	580.00 16	547.00 14	441.00 13
1985	7770.00 3	6000.00 3	3430.00 3	2190.00 3	1440.00 4	924.00 6	654.00 11	576.00 12	432.00 16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	151.00 9
1946	321.00 33
1947	110.00 4
1948	240.00 23
1949	346.00 36
1950	423.00 40
1951	324.00 34
1952	239.00 22
1953	290.00 29
1954	81.00 1
1955	124.00 6
1956	276.00 25
1957	82.00 2
1958	333.00 35
1959	449.00 41
1960	237.00 19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1945	188.00 31
1946	225.00 27
1947	194.00 30
1948	206.00 28
1949	313.00 7
1950	510.00 1
1951	248.00 18
1952	327.00 6
1953	187.00 32
1954	64.00 40
1955	162.00 34
1956	240.00 21
1957	248.00 19
1958	385.00 4
1959	310.00 8
1960	235.00 22

03329700 DEER CREEK NEAR DELPHI, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	210.00	13
1962	318.00	32
1963	170.00	11
1964	98.00	3
1965	163.00	10
1966	127.00	7
1967	186.00	12
1968	279.00	28
1969	263.00	24
1970	277.00	26
1971	238.00	20
1972	147.00	8
1973	401.00	38
1974	412.00	39
1975	232.00	18
1976	297.00	30
1977	120.00	5
1978	231.00	17
1979	222.00	15
1980	230.00	16
1981	212.00	14
1982	385.00	37
1983	238.00	21
1984	298.00	31
1985	278.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	226.00	26
1962	267.00	14
1963	137.00	37
1964	132.00	38
1965	161.00	35
1966	63.00	41
1967	235.00	23
1968	302.00	10
1969	287.00	12
1970	287.00	13
1971	158.00	36
1972	228.00	25
1973	397.00	2
1974	397.00	3
1975	233.00	24
1976	247.00	20
1977	99.00	39
1978	298.00	11
1979	202.00	29
1980	306.00	9
1981	187.00	33
1982	361.00	5
1983	251.00	16
1984	253.00	15
1985	248.00	17

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	DCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
	*	*	*	*	*	*	*	*	*	*	*	*
1944							801.00	438.00	69.00	22.50	18.30	15.10
1945	20.90	30.40	22.20	24.00	105.00	256.00	433.00	564.00	396.00	105.00	98.50	203.00
1946	395.00	107.00	272.00	397.00	492.00	402.00	107.00	319.00	130.00	31.40	34.60	15.90
1947	27.30	45.60	66.30	220.00	153.00	170.00	469.00	550.00	472.00	57.00	29.10	69.50
1948	27.50	40.00	69.00	236.00	293.00	571.00	479.00	369.00	172.00	81.90	68.90	73.90
1949	38.80	208.00	299.00	1376.0	746.00	264.00	184.00	173.00	98.10	293.00	68.20	23.90
1950	251.00	84.60	468.00	1882.0	863.00	693.00	723.00	207.00	320.00	86.40	38.40	522.00
1951	70.50	205.00	362.00	415.00	683.00	306.00	472.00	220.00	86.60	129.00	34.40	22.60
1952	27.70	55.40	144.00	566.00	557.00	561.00	844.00	618.00	298.00	62.90	91.60	109.00
1953	39.00	76.90	182.00	260.00	211.00	682.00	272.00	267.00	108.00	78.50	38.50	17.40
1954	15.90	22.70	24.70	48.00	36.10	46.80	138.00	86.50	293.00	24.60	20.70	10.50
1955	63.80	30.90	92.00	261.00	117.00	353.00	288.00	139.00	173.00	354.00	45.90	17.70
1956	430.00	555.00	155.00	74.00	556.00	535.00	135.00	222.00	149.00	42.70	31.40	12.40
1957	15.30	28.80	40.80	78.30	129.00	98.50	933.00	413.00	411.00	669.00	87.30	81.60
1958	108.00	156.00	638.00	201.00	120.00	162.00	100.00	83.00	1799.0	644.00	537.00	62.10
1959	45.20	162.00	91.70	474.00	1039.0	413.00	1109.0	294.00	59.80	39.80	33.90	38.50
1960	72.50	118.00	151.00	199.00	451.00	300.00	320.00	320.00	126.00	276.00	429.00	57.10
1961	39.80	46.90	35.00	45.90	113.00	692.00	876.00	391.00	99.20	95.20	233.00	44.10
1962	83.30	207.00	99.20	621.00	402.00	674.00	161.00	138.00	238.00	483.00	63.50	33.30
1963	75.10	48.40	37.20	35.20	38.70	676.00	274.00	166.00	119.00	119.00	27.20	14.40
1964	21.20	28.90	24.10	60.60	38.20	275.00	714.00	134.00	109.00	154.00	19.70	12.30
1965	15.00	28.10	33.00	102.00	240.00	407.00	668.00	200.00	96.00	96.30	30.20	33.60
1966	33.90	32.30	50.10	85.80	85.40	115.00	85.70	153.00	64.00	22.90	12.50	11.80
1967	25.20	41.30	557.00	190.00	403.00	675.00	465.00	328.00	71.20	34.10	21.70	18.40
1968	27.10	43.50	806.00	489.00	845.00	221.00	238.00	527.00	247.00	73.10	75.50	40.20
1969	33.10	167.00	266.00	931.00	376.00	181.00	563.00	189.00	246.00	280.00	104.00	115.00
1970	388.00	591.00	179.00	152.00	171.00	344.00	727.00	554.00	98.10	83.80	109.00	41.60
1971	67.90	142.00	125.00	67.00	597.00	285.00	83.00	238.00	134.00	64.10	30.20	98.30
1972	57.80	41.30	545.00	247.00	99.40	116.00	928.00	188.00	183.00	86.90	39.20	212.00
1973	284.00	727.00	565.00	465.00	332.00	808.00	422.00	184.00	526.00	155.00	254.00	45.30
1974	51.80	310.00	678.00	1121.0	478.00	712.00	529.00	482.00	258.00	70.90	38.40	32.20
1975	31.60	39.40	134.00	365.00	556.00	279.00	211.00	259.00	468.00	66.20	234.00	180.00
1976	89.00	89.80	437.00	211.00	981.00	369.00	110.00	62.20	451.00	144.00	38.60	23.20
1977	26.80	28.20	25.70	17.60	174.00	343.00	165.00	132.00	30.70	22.70	106.00	125.00
1978	194.00	95.50	605.00	111.00	56.40	1090.0	585.00	296.00	111.00	311.00	54.40	27.50
1979	26.50	42.20	95.20	113.00	323.00	687.00	579.00	172.00	85.00	103.00	161.00	41.70
1980	58.10	233.00	264.00	159.00	190.00	709.00	491.00	139.00	900.00	136.00	341.00	53.50
1981	36.40	38.60	54.70	47.50	252.00	79.40	269.00	554.00	389.00	102.00	219.00	212.00
1982	170.00	131.00	149.00	406.00	718.00	1311.0	619.00	313.00	268.00	126.00	98.60	42.70
1983	38.00	152.00	674.00	162.00	187.00	176.00	545.00	793.00	174.00	48.80	33.50	21.90
1984	45.10	83.60	411.00	72.40	618.00	743.00	364.00	424.00	140.00	58.80	49.30	36.90
1985	48.40	156.00	214.00	296.00	921.00	676.00	387.00	89.90	106.00	51.00	60.80	26.00

WABASH RIVER BASIN  
03329700 DEER CREEK NEAR DELPHI, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
27.40	39.70	60.50	76.10	125.00	239.00
FIFTIETH PERCENTILE					
45.10	83.60	151.00	201.00	323.00	369.00
SEVENTY FIFTH PERCENTILE					
79.20	159.00	424.00	411.00	577.00	679.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
204.00	163.00	98.90	55.50	33.00	21.00
FIFTIETH PERCENTILE					
449.00	249.00	161.00	86.60	51.80	39.30
SEVENTY FIFTH PERCENTILE					
631.00	416.00	304.00	147.00	105.00	75.80

## 03330500 TIPPECANOE RIVER AT OSWEGO, IN

LOCATION.--Lat 41°19'14", long 85°47'21", in NE¼NE¼ sec.14, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, on left bank 10 ft downstream from dam at Tippecanoe Lake Outlet in Oswego, 3 mi east of Leesburg, and at mile 158.9.

DRAINAGE AREA.--113 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1949 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 830.00 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 12, 1953, nonrecording gage at same site and datum.

REMARKS.--Occasional regulation by flashboards at lake outlet.

AVERAGE DISCHARGE.--36 years, 103 ft<sup>3</sup>/s, 12.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 950 ft<sup>3</sup>/s Mar. 21, 1982, gage height, 9.25 ft; minimum daily, 0.08 ft<sup>3</sup>/s Aug. 4, 5, 1967.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1950																				1				11	35	50	74	35	23	7	21	55	35	18	
1951																							8	27	51	52	50	72	51	38	11	5			
1952																						7	49	28	41	58	66	46	44	27					
1953														1	9	10	9	22	16	19	16	30	47	30	17	59	62	12	6						
1954														1	2	35	15	2	3	17	16	33	27	35	60	49	19	4	15	27	5				
1955													3	2	2	3	2	3	3	10	5	15	16	37	30	48	67	53	22	25	5	5	8	1	
1956																		2	6	11	12	17	27	62	42	44	43	44	31	5	9	11			
1957													1	2	4	4	12	29	18	16	17	18	41	34	64	49	21	5	6	16	8				
1958																	2	3	5	21	20	25	24	44	33	56	57	28	24	12	11				
1959																1	4	4	11	20		6	11	6	68	43	54	32	48	23	18	13	3		
1960																						20	26	24	23	44	51	66	70	27	15				
1961																				2	13	71	79	75	19	10	19	18	24	30	5				
1962																	16	31	16	6	12	13	22	39	55	39	37	37	17	7	18				
1963															4	6		51	21	35	43	39	32	42	18	10	12	9	15	20	4				
1964													4	3	9	12	38	30	18	28	53	52	15	38	23	33	10								
1965													5	4	5	3	10	6	3	17	53	13	22	35	31	13	13	32	30	70					
1966											1	1	2	9	12	12	10	11	10	19	17	12	74	31	30	35	17	20	29	13					
1967	3	1	2		26	7	8	9			2		1		4	15	2	21			13	21	19	19	16	21	53	39	32	14	8	9			
1968						2	1	1	1		2			1	1		2	2	5	9	13	13	40	39	27	40	32	64	23	16	28	4			
1969											1		3	3		5	3	5	3	16	6	29	32	33	33	39	48	50	36	6	7	7			
1970											2	4	9	6	5	4	4	8	6	8	10	11	17	43	71	49	36	19	42	11					
1971														1	21	9	15		7	11	19	13	14	30	30	30	48	58	11	30	18				
1972																		17	8	7	19	17	38	81	40	22	33	50	18	8	8				
1973																				21	9	7	9	17	14	19	45	65	96	59	4				
1974																			8	43	37	38	5	13	9	36	31	35	55	26	29				
1975																				34	14	55	16	14	17	24	58	55	45	30	3				
1976																				28	49	51	29	46	29	31	30	36	7	6	17	7			
1977																			8	10	18	23	51	57	33	36	27	31	14	22	34	1			
1978																			2	22	56	10	2	12	32	43	47	28	44	19	18	6	18	6	
1979																			10	13	29	25	34	38	32	83	19	5	19	43	7	8			
1980											2	2	6	7	2	3				7	9	27	23	36	35	41	52	35	37	23	19				
1981																				9	3	30	4	45	51	52	28	36	24	22	32	15	14		
1982																				29	25	10	10	58	66	29	39	37	20	23	4	6	8	1	
1983																		4	18	9	25	24	28	20	8	2	32	51	41	51	26	23	3		
1984																			6	10	12	40	13	13	46	32	20	46	35	50	20	18	5		
1985																				3	4	32	74	13	15	17	68	51	9	15	11	14	17	14	8

## 03330500 TIPPECANOE RIVER AT OSWEGO, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13149	100.00	12	1.8	29	13070	99.40	24	55.0	1259	7783	59.19
1	0.08	3	13149	100.00	13	2.4	40	13041	99.18	25	73.0	1402	6524	49.62
2	0.11	1	13146	99.98	14	3.2	84	13001	98.87	26	97.0	1386	5122	38.95
3	0.14	2	13145	99.97	15	4.3	130	12917	98.24	27	130.0	1221	3736	28.41
4	0.19	0	13143	99.95	16	5.7	194	12787	97.25	28	170.0	1168	2515	19.13
5	0.25	26	13143	99.95	17	7.5	268	12593	95.77	29	230.0	667	1347	10.24
6	0.33	9	13117	99.76	18	10.0	259	12325	93.73	30	300.0	435	680	5.17
7	0.44	9	13108	99.69	19	13.0	602	12066	91.76	31	400.0	158	245	1.86
8	0.58	10	13099	99.62	20	18.0	631	11464	87.19	32	530.0	69	87	0.66
9	0.78	1	13089	99.54	21	23.0	906	10833	82.39	33	700.0	17	18	0.14
10	1.0	8	13088	99.54	22	31.0	937	9927	75.50	34	940.0	1	1	0.01
11	1.4	10	13080	99.48	23	41.0	1207	8990	68.37					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	8.4
P90 =	14.9
P75 =	31.7
P70 =	38.7
P50 =	72.3
P25 =	145.0
P10 =	233.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1951	32.00 33	34.00 33	36.00 33	39.00 33	48.00 34	57.00 33	69.00 33	72.00 34	81.00 30
1952	40.00 35	41.00 35	42.00 35	44.00 34	46.00 33	59.00 35	73.00 34	82.00 35	94.00 33
1953	17.00 29	18.00 29	19.00 30	20.00 24	23.00 26	27.00 23	31.00 20	37.00 20	45.00 17
1954	2.90 12	3.10 12	3.30 10	3.90 7	4.40 4	4.90 2	5.30 2	7.40 1	11.00 1
1955	32.00 34	34.00 34	38.00 34	46.00 35	50.00 35	58.00 34	67.00 32	70.00 32	108.00 34
1956	2.00 7	2.10 6	2.80 6	4.60 10	8.90 11	20.00 14	32.00 23	35.00 18	47.00 19
1957	2.20 10	2.50 10	3.20 9	4.30 9	6.60 9	9.10 7	12.00 7	18.00 8	24.00 7
1958	6.50 15	6.90 15	7.90 16	8.50 14	13.00 13	20.00 15	20.00 13	22.00 13	33.00 13
1959	11.00 23	12.00 23	13.00 23	14.00 20	18.00 20	35.00 28	50.00 30	65.00 31	112.00 35
1960	7.10 17	7.50 17	9.30 19	11.00 16	15.00 17	24.00 20	45.00 29	55.00 29	73.00 28
1961	16.00 27	17.00 27	18.00 27	20.00 25	24.00 27	33.00 27	34.00 24	34.00 16	38.00 15
1962	24.00 32	24.00 32	25.00 31	27.00 32	33.00 31	36.00 29	44.00 28	44.00 25	54.00 23
1963	6.20 14	6.20 14	6.20 14	6.30 11	6.50 8	8.20 6	11.00 6	14.00 6	19.00 4
1964	2.50 11	2.80 11	3.10 8	4.00 8	5.30 5	5.90 3	7.20 3	9.90 2	18.00 3
1965	1.50 6	1.50 2	1.70 2	2.20 2	3.60 2	6.10 4	10.00 5	11.00 3	17.00 2
1966	2.10 8	2.20 8	2.50 5	3.30 4	8.00 10	19.00 13	31.00 21	38.00 21	38.00 16
1967	1.30 5	1.50 3	2.20 3	3.10 3	4.40 3	6.30 5	7.30 4	11.00 4	24.00 5
1968	0.08 1	0.08 1	0.28 1	0.29 1	0.34 1	0.40 1	4.70 1	13.00 5	24.00 6
1969	0.83 2	1.70 4	3.80 13	14.00 21	22.00 23	26.00 22	31.00 22	38.00 22	69.00 25
1970	1.19 3	2.10 7	3.40 11	8.00 12	17.00 18	23.00 19	30.00 18	39.00 23	46.00 18
1971	1.19 4	1.70 5	2.20 4	11.00 17	18.00 19	30.00 25	30.00 19	37.00 19	50.00 21
1972	3.30 13	3.40 13	3.50 12	3.60 5	5.40 6	9.70 8	17.00 11	19.00 9	27.00 8
1973	8.00 18	15.00 26	17.00 24	21.00 29	27.00 29	32.00 26	37.00 25	45.00 26	79.00 29
1974	10.00 22	10.00 21	11.00 20	15.00 22	19.00 21	21.00 16	26.00 15	34.00 17	48.00 20
1975	13.00 25	13.00 24	13.00 21	13.00 19	14.00 15	14.00 12	15.00 9	18.00 7	36.00 14
1976	19.00 30	19.00 30	19.00 28	20.00 26	22.00 24	25.00 21	27.00 16	30.00 15	52.00 22
1977	8.10 21	8.30 19	8.60 18	11.00 18	15.00 16	22.00 18	22.00 14	28.00 14	31.00 10
1978	8.00 19	9.60 20	18.00 25	20.00 27	24.00 28	38.00 30	42.00 27	53.00 28	70.00 26
1979	8.00 20	8.00 18	8.00 17	9.40 15	13.00 14	13.00 11	15.00 10	20.00 11	32.00 11
1980	2.20 9	2.40 9	3.00 7	3.60 6	6.40 7	12.00 10	18.00 12	21.00 12	28.00 9
1981	13.00 26	14.00 25	19.00 29	26.00 31	29.00 30	56.00 32	77.00 35	72.00 33	89.00 32
1982	22.00 31	24.00 31	25.00 32	25.00 30	44.00 32	49.00 31	55.00 31	60.00 30	70.00 27
1983	17.00 28	18.00 28	18.00 26	20.00 28	23.00 25	29.00 24	30.00 17	43.00 24	82.00 31
1984	6.90 16	7.00 16	7.40 15	8.00 13	9.20 12	10.00 9	13.00 8	19.00 10	33.00 12
1985	12.00 24	12.00 22	13.00 22	15.00 23	20.00 22	21.00 17	37.00 26	45.00 27	64.00 24

## 03330500 TIPPECANOE RIVER AT OSWEGO, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	680.00 4	680.00 3	669.00 3	616.00 3	502.00 3	421.00 2	422.00 1	410.00 1	317.00 1
1951	430.00 13	427.00 13	408.00 13	359.00 13	295.00 16	248.00 11	227.00 9	209.00 9	191.00 9
1952	370.00 19	363.00 19	357.00 19	344.00 16	327.00 11	275.00 8	250.00 8	242.00 6	211.00 5
1953	179.00 35	178.00 35	174.00 35	165.00 35	142.00 35	127.00 35	118.00 34	110.00 33	92.00 34
1954	322.00 24	318.00 24	309.00 25	280.00 28	255.00 24	216.00 24	169.00 28	149.00 26	118.00 29
1955	700.00 3	680.00 4	646.00 4	554.00 4	404.00 5	262.00 10	209.00 14	202.00 12	186.00 12
1956	450.00 9	440.00 9	424.00 11	420.00 8	345.00 9	235.00 15	216.00 12	196.00 14	148.00 20
1957	315.00 25	315.00 25	315.00 24	306.00 22	272.00 18	191.00 31	155.00 32	134.00 31	110.00 32
1958	383.00 17	383.00 17	375.00 18	332.00 20	237.00 29	207.00 26	174.00 26	145.00 27	112.00 30
1959	544.00 7	540.00 7	523.00 7	481.00 7	398.00 6	333.00 5	289.00 5	252.00 5	202.00 7
1960	383.00 18	383.00 18	379.00 17	335.00 19	265.00 20	218.00 21	222.00 10	200.00 13	189.00 10
1961	312.00 26	312.00 26	306.00 26	285.00 26	250.00 25	218.00 22	195.00 19	157.00 24	119.00 27
1962	356.00 20	356.00 20	356.00 20	343.00 17	298.00 15	222.00 18	196.00 18	168.00 21	137.00 21
1963	237.00 33	235.00 33	228.00 33	215.00 33	191.00 34	128.00 34	100.00 35	83.00 35	66.00 35
1964	122.00 36	116.00 36	110.00 36	103.00 36	94.00 36	75.00 36	60.00 36	58.00 36	48.00 36
1965	227.00 34	223.00 34	219.00 34	211.00 34	203.00 33	190.00 32	176.00 25	160.00 23	125.00 23
1966	286.00 30	284.00 30	279.00 30	259.00 30	212.00 32	149.00 33	126.00 33	110.00 34	111.00 31
1967	476.00 8	475.00 8	462.00 8	419.00 9	329.00 10	215.00 25	192.00 20	192.00 15	163.00 16
1968	410.00 14	407.00 14	396.00 14	351.00 14	259.00 23	228.00 16	201.00 17	179.00 18	154.00 17
1969	440.00 11	438.00 10	426.00 9	380.00 11	294.00 17	228.00 17	188.00 21	173.00 20	154.00 18
1970	275.00 31	271.00 31	265.00 31	249.00 31	220.00 31	200.00 28	166.00 29	143.00 28	121.00 26
1971	257.00 32	256.00 32	253.00 32	243.00 32	231.00 30	202.00 27	158.00 30	141.00 29	122.00 24
1972	332.00 23	328.00 23	321.00 23	294.00 23	242.00 28	195.00 29	155.00 31	131.00 32	118.00 28
1973	304.00 27	301.00 27	299.00 27	290.00 25	260.00 22	240.00 14	208.00 15	206.00 10	205.00 6
1974	398.00 16	396.00 16	388.00 15	364.00 12	317.00 12	295.00 7	266.00 6	240.00 7	201.00 8
1975	304.00 28	301.00 28	294.00 29	276.00 29	245.00 26	191.00 30	188.00 22	178.00 19	168.00 15
1976	439.00 12	437.00 11	426.00 10	400.00 10	353.00 8	247.00 12	187.00 23	167.00 22	134.00 22
1977	302.00 29	300.00 29	297.00 28	281.00 27	266.00 19	219.00 20	169.00 27	136.00 30	109.00 33
1978	557.00 6	555.00 6	542.00 6	525.00 6	469.00 4	325.00 6	252.00 7	206.00 11	189.00 11
1979	341.00 21	338.00 22	328.00 22	293.00 24	243.00 27	216.00 23	185.00 24	151.00 25	121.00 25
1980	340.00 22	339.00 21	336.00 21	326.00 21	309.00 14	241.00 13	202.00 16	187.00 16	150.00 19
1981	617.00 5	603.00 5	594.00 5	538.00 5	391.00 7	339.00 4	345.00 2	284.00 4	240.00 2
1982	944.00 1	932.00 1	889.00 1	762.00 1	566.00 1	413.00 3	329.00 4	291.00 3	237.00 3
1983	405.00 15	403.00 15	385.00 16	336.00 18	316.00 13	271.00 9	215.00 13	186.00 17	185.00 13
1984	442.00 10	437.00 12	416.00 12	350.00 15	262.00 21	221.00 19	220.00 11	210.00 8	175.00 14
1985	748.00 2	743.00 2	740.00 2	676.00 2	511.00 2	452.00 1	333.00 3	307.00 2	237.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	158.00 34
1952	151.00 33
1953	92.00 15
1954	41.00 2
1955	149.00 31
1956	80.00 10
1957	76.00 8
1958	81.00 11
1959	137.00 29
1960	118.00 25
1961	104.00 18
1962	108.00 21
1963	45.00 3
1964	33.00 1
1965	52.00 4
1966	85.00 12
1967	93.00 16
1968	90.00 13
1969	110.00 22
1970	76.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	196.00 1
1951	140.00 6
1952	147.00 5
1953	57.00 34
1954	72.00 31
1955	123.00 10
1956	105.00 18
1957	66.00 33
1958	92.00 21
1959	135.00 8
1960	134.00 9
1961	80.00 27
1962	85.00 22
1963	42.00 35
1964	31.00 36
1965	77.00 30
1966	67.00 32
1967	93.00 20
1968	115.00 14
1969	98.00 19

## 03330500 TIPPECANOE RIVER AT OSWEGO, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	104.00	19
1972	52.00	5
1973	140.00	30
1974	136.00	28
1975	91.00	14
1976	117.00	24
1977	61.00	6
1978	107.00	20
1979	94.00	17
1980	76.00	7
1981	122.00	26
1982	184.00	35
1983	128.00	27
1984	112.00	23
1985	150.00	32

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	83.00	24
1971	78.00	28
1972	82.00	25
1973	151.00	3
1974	119.00	11
1975	107.00	17
1976	85.00	23
1977	80.00	26
1978	116.00	13
1979	77.00	29
1980	109.00	16
1981	154.00	2
1982	148.00	4
1983	118.00	12
1984	114.00	15
1985	138.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	61.40	46.20	108.00	443.00	373.00	333.00	493.00	135.00	109.00	91.00	81.40	91.40
1951	62.50	55.40	178.00	170.00	193.00	240.00	224.00	146.00	76.50	161.00	107.00	67.40
1952	53.80	101.00	134.00	272.00	275.00	199.00	218.00	152.00	149.00	94.20	67.50	48.80
1953	42.10	23.50	34.30	58.40	85.00	135.00	113.00	104.00	60.70	11.40	14.30	5.33
1954	4.73	7.25	23.70	21.60	42.50	85.40	245.00	154.00	83.30	81.10	59.60	62.00
1955	369.00	141.00	95.70	187.00	97.90	206.00	129.00	86.00	53.80	51.80	37.10	9.79
1956	55.70	132.00	85.80	47.70	92.10	183.00	120.00	340.00	102.00	45.60	31.50	20.80
1957	9.45	9.75	33.50	42.60	71.70	83.80	241.00	137.00	66.10	57.40	15.90	26.90
1958	18.90	28.20	90.60	131.00	55.80	107.00	72.00	30.80	52.10	107.00	176.00	237.00
1959	120.00	90.00	79.20	86.00	352.00	258.00	265.00	135.00	73.70	135.00	29.40	19.20
1960	86.30	113.00	103.00	184.00	172.00	103.00	230.00	198.00	237.00	109.00	35.00	40.00
1961	53.70	23.50	44.50	33.40	42.70	197.00	192.00	175.00	42.40	35.20	60.20	58.10
1962	73.40	69.30	87.30	91.80	152.00	263.00	160.00	52.00	35.20	11.60	8.30	23.10
1963	38.70	22.50	16.00	7.51	11.00	156.00	80.20	54.60	33.60	49.90	19.20	6.17
1964	6.22	10.40	19.80	45.00	30.10	44.00	85.30	50.00	21.40	42.50	9.40	4.94
1965	16.40	12.30	23.60	55.40	142.00	165.00	189.00	138.00	59.00	20.80	40.30	68.40
1966	38.80	37.40	77.60	188.00	84.70	78.10	58.60	176.00	31.10	15.70	8.03	4.46
1967	23.30	64.50	298.00	115.00	139.00	180.00	163.00	78.80	32.30	23.10	1.13	0.40
1968	44.20	45.40	183.00	149.00	263.00	99.80	134.00	84.20	103.00	198.00	52.90	25.50
1969	26.90	64.10	109.00	175.00	289.00	72.30	167.00	108.00	52.20	68.50	42.50	21.20
1970	31.30	99.90	83.80	55.70	78.40	102.00	213.00	176.00	37.30	24.10	40.80	51.10
1971	62.10	87.10	112.00	62.00	191.00	201.00	63.30	60.00	34.40	27.40	32.20	5.90
1972	21.70	43.70	93.20	98.00	56.50	90.80	213.00	155.00	39.10	28.90	46.50	95.70
1973	125.00	220.00	182.00	206.00	166.00	205.00	242.00	139.00	191.00	60.40	58.80	18.80
1974	23.90	37.70	91.40	213.00	254.00	310.00	180.00	143.00	109.00	42.00	18.80	13.70
1975	14.00	57.10	74.70	147.00	138.00	162.00	176.00	140.00	240.00	71.30	37.60	25.40
1976	26.50	31.80	130.00	69.00	206.00	257.00	89.20	54.90	55.10	35.90	47.10	15.60
1977	29.10	31.20	42.30	37.90	46.40	238.00	195.00	54.70	24.60	69.40	68.20	126.00
1978	85.50	63.80	201.00	116.00	71.10	209.00	388.00	146.00	50.20	29.80	13.10	14.20
1979	22.70	62.60	61.70	63.50	43.50	226.00	192.00	130.00	37.30	19.10	39.20	16.60
1980	8.09	59.70	67.90	92.10	54.70	193.00	280.00	83.00	185.00	37.40	106.00	151.00
1981	71.00	59.20	116.00	66.90	147.00	170.00	286.00	316.00	363.00	148.00	56.70	47.30
1982	67.30	74.60	76.80	116.00	150.00	498.00	318.00	118.00	190.00	107.00	28.50	30.20
1983	29.70	154.00	228.00	142.00	104.00	92.10	280.00	257.00	67.90	38.60	15.80	9.29
1984	24.10	47.70	168.00	74.40	157.00	209.00	211.00	156.00	203.00	51.30	48.90	21.50
1985	62.10	96.60	106.00	228.00	161.00	459.00	369.00	56.90	50.30	24.50	26.00	24.00



## 03330500 TIPPECANOE RIVER AT OSWEGO, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
22.80	31.30	63.20	56.40	60.10	102.00
FIFTIETH PERCENTILE					
38.70	58.10	91.00	95.00	139.00	188.00
SEVENTY FIFTH PERCENTILE					
62.40	89.30	127.00	174.00	186.00	235.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
130.00	79.80	37.70	27.80	18.89	13.80
FIFTIETH PERCENTILE					
194.00	136.00	59.80	47.70	38.40	23.50
SEVENTY FIFTH PERCENTILE					
244.00	155.00	109.00	88.50	58.30	56.30

## WABASH RIVER BASIN

03331110 WALNUT CREEK NEAR WARSAW, IN

LOCATION.--Lat 41°12'17", long 85°52'11", in NW¼NE¼ sec.30, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, on left bank 10 ft upstream from bridge on County Road 200 South, 0.3 mi downstream from small right-bank tributary, and 2.5 mi south of court house in Warsaw.

DRAINAGE AREA.--19.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 823.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow occasionally regulated by lakes upstream.

AVERAGE DISCHARGE.--16 years, 18.0 ft<sup>3</sup>/s, 12.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 561 ft<sup>3</sup>/s June 13, 1981, gage height, 5.38 ft; minimum daily, 0.44 ft<sup>3</sup>/s Sept. 8, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1970										10	62	22	28	34	18	28	16	32	12	23	24	8	8	12	8	10	6	1	2	1						
1971					17	11	13	15	7	25	28	15	8	10	24	15	9	42	32	30	17	21	11	5	5	4	1									
1972								14	24	25	23	13	31	37	16	15	16	24	14	22	24	28	17	9	4	4	3	3								
1973								2	18	25	8	4	16	6	3	2	5	5	15	16	42	52	49	30	17	22	15	8	4	1						
1974								1	32	13	11	29	27	16	9	5	8	6	9	23	26	36	25	26	13	17	9	12	6	3	3					
1975								24	5	6	2	9	16	24	25	28	19	12	24	33	38	33	17	18	10	15	3	2	2							
1976																																				
1977					7	10	13	2	3	4	14	18	18	17	17	15	44	38	14	25	15	19	17	10	15	10	6	4	7	2	2					
1978					2	22	29	28	33	22	31	17	10	19	7	7	8	11	6	18	19	10	11	19	14	11	8	2	1							
1978					5	3	6	14	6	12	13	18	10	2	3	10	41	33	38	11	28	24	14	12	11	5	8	7	9	13	5		1	3		
1979					4	28	11	23	11	34	22	35	40	26	19	12	8	4	6	2	9	8	14	13	5	8	9	4	5	3	2					
1980								1		1	18	21	22	19	16	13	20	12	33	21	35	26	17	9	10	12	16	17	8	10	4	2		3		
1981																																				
1982													16	29	32	41	39	21	29	18	23	23	15	13	11	11	8	11	10	3	3	2	1	3	2	1
1982													4	18	17	36	25	18	44	21	15	12	8	16	12	16	11	5	3	2	3	1		2	3	
1983																																				
1983													8	8	9	4	4	11	22	46	24	16	25	20	18	14	14	10	5	6	1		2			
1984																																				
1984																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				
1985																																				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	4.2	252	4136	70.77	24	48.0	168	521	8.92
1	0.44	15	5844	100.00	13	5.1	293	3884	66.46	25	59.0	129	353	6.04
2	0.54	18	5829	99.74	14	6.2	317	3591	61.45	26	72.0	100	224	3.83
3	0.66	71	5811	99.44	15	7.6	352	3274	56.02	27	88.0	57	124	2.12
4	0.81	129	5740	98.22	16	9.4	223	2922	50.00	28	110.0	24	67	1.15
5	1.0	98	5611	96.01	17	11.0	455	2699	46.18	29	130.0	13	43	0.74
6	1.2	202	5513	94.34	18	14.0	318	2244	38.40	30	160.0	14	30	0.51
7	1.5	184	5311	90.88	19	17.0	346	1926	32.96	31	200.0	2	16	0.27
8	1.8	242	5127	87.73	20	21.0	332	1580	27.04	32	240.0	6	14	0.24
9	2.3	232	4885	83.59	21	26.0	302	1248	21.36	33	300.0	7	8	0.14
10	2.8	269	4653	79.62	22	32.0	238	946	16.19	34	370.0	1	1	0.02
11	3.4	248	4384	75.02	23	39.0	187	708	12.11					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.1  
P90 = 1.6  
P75 = 3.4  
P70 = 4.4  
P50 = 9.4  
P25 = 22.8  
P10 = 45.0

## 03331110 WALNUT CREEK NEAR WARSAW, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	2.50 14	2.50 13	2.60 13	2.80 13	2.90 13	4.40 12	4.50 10	6.20 10	9.50 12
1972	0.90 7	0.90 7	0.90 7	0.91 5	1.00 4	1.50 6	1.70 6	1.80 4	2.30 2
1973	2.40 13	2.60 14	2.70 14	3.00 14	3.70 14	4.70 14	5.40 12	7.40 12	14.00 15
1974	1.40 10	1.40 9	1.50 9	1.60 9	1.70 8	2.10 8	2.50 8	2.70 8	5.00 7
1975	1.10 8	1.19 8	1.19 8	1.19 7	1.19 6	1.40 5	1.50 4	1.90 5	4.20 5
1976	1.70 11	1.80 12	1.80 12	2.00 12	2.40 12	3.40 10	4.30 9	4.50 9	8.40 9
1977	0.55 3	0.59 3	0.68 3	0.73 3	0.78 2	0.90 2	1.19 3	1.40 3	1.40 1
1978	0.65 4	0.71 4	0.82 4	1.19 8	2.00 10	4.50 13	4.70 11	6.60 11	9.30 11
1979	0.49 2	0.50 2	0.53 2	0.64 2	0.81 3	0.98 3	1.00 1	1.19 1	2.50 3
1980	0.80 6	0.85 6	0.88 6	0.93 6	1.30 7	1.80 7	2.30 7	2.40 7	3.10 4
1981	1.40 9	1.50 10	1.60 10	1.80 10	1.90 9	3.60 11	7.70 15	9.70 15	10.00 13
1982	3.40 15	3.50 15	3.80 15	4.30 15	5.40 15	6.80 15	7.30 14	7.70 13	9.20 10
1983	0.77 5	0.80 5	0.83 5	0.87 4	1.10 5	1.30 4	1.60 5	2.20 6	6.50 8
1984	0.44 1	0.45 1	0.46 1	0.56 1	0.67 1	0.83 1	1.00 2	1.30 2	4.80 6
1985	1.70 12	1.70 11	1.80 11	1.90 11	2.20 11	3.20 9	6.40 13	8.70 14	12.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	138.00 9	123.00 8	93.00 11	75.00 8	59.00 9	47.00 9	38.00 9	32.00 10	25.00 11
1971	75.00 15	63.00 16	48.00 16	34.00 16	29.00 16	27.00 16	22.00 16	20.00 15	19.00 15
1972	98.00 14	94.00 13	86.00 12	67.00 12	50.00 11	40.00 13	32.00 12	26.00 14	22.00 14
1973	116.00 12	101.00 12	80.00 13	60.00 13	50.00 12	45.00 10	38.00 10	39.00 5	38.00 4
1974	122.00 10	120.00 10	95.00 10	75.00 9	50.00 13	49.00 7	43.00 4	38.00 6	32.00 5
1975	98.00 13	91.00 14	71.00 14	53.00 14	49.00 14	35.00 14	31.00 14	29.00 12	26.00 10
1976	122.00 11	110.00 11	96.00 9	81.00 6	62.00 7	43.00 11	32.00 13	28.00 13	23.00 13
1977	73.00 16	64.00 15	53.00 15	44.00 15	39.00 15	32.00 15	25.00 15	19.00 16	16.00 16
1978	186.00 7	176.00 4	135.00 4	101.00 4	84.00 4	53.00 5	40.00 8	32.00 11	28.00 9
1979	142.00 8	123.00 9	97.00 8	82.00 5	66.00 5	56.00 4	43.00 5	34.00 8	24.00 12
1980	193.00 5	175.00 5	122.00 5	71.00 10	62.00 6	49.00 8	41.00 7	38.00 7	30.00 8
1981	389.00 1	339.00 1	233.00 2	138.00 3	87.00 3	74.00 3	72.00 1	58.00 1	47.00 1
1982	365.00 2	336.00 2	263.00 1	182.00 1	115.00 1	82.00 1	63.00 2	52.00 2	39.00 2
1983	189.00 6	158.00 7	107.00 7	68.00 11	59.00 8	50.00 6	37.00 11	32.00 9	31.00 7
1984	195.00 4	165.00 6	117.00 6	78.00 7	52.00 10	43.00 12	42.00 6	40.00 4	32.00 6
1985	342.00 3	301.00 3	219.00 3	151.00 2	100.00 2	74.00 2	54.00 3	49.00 3	39.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	18.00 9
1972	8.10 1
1973	27.00 14
1974	20.00 12
1975	13.00 4
1976	19.00 10
1977	8.40 2
1978	17.00 7
1979	12.00 3
1980	16.00 5
1981	18.00 8
1982	36.00 15
1983	16.00 6
1984	20.00 11
1985	27.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	16.00 10
1971	12.00 15
1972	14.00 13
1973	25.00 2
1974	19.00 6
1975	16.00 11
1976	14.00 12
1977	10.00 16
1978	17.00 9
1979	13.00 14
1980	19.00 7
1981	28.00 1
1982	23.00 3
1983	19.00 8
1984	20.00 5
1985	22.00 4

## WABASH RIVER BASIN

03331110 WALNUT CREEK NEAR WARSAW, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	5.45	18.30	8.15	10.50	11.50	24.80	49.50	36.90	6.90	3.46	5.38	11.00
1971	13.00	21.30	18.90	6.18	26.70	23.80	15.70	11.20	5.31	2.29	1.07	2.16
1972	2.08	2.33	17.70	12.90	5.94	17.50	49.50	28.30	6.77	3.84	6.81	17.20
1973	23.50	40.20	33.20	37.40	25.80	46.30	42.30	17.50	26.90	5.65	2.36	1.90
1974	3.22	5.14	22.30	40.80	31.00	43.50	28.30	25.80	15.20	4.07	1.63	1.57
1975	1.33	6.83	11.20	20.90	25.10	20.60	24.60	23.70	44.00	6.68	5.46	5.38
1976	2.51	8.38	22.80	7.63	49.50	33.10	14.30	10.40	13.90	5.99	2.46	0.80
1977	1.04	2.53	1.43	0.91	9.71	37.50	20.90	6.83	2.56	7.46	11.10	18.70
1978	10.80	11.40	39.00	8.82	5.77	54.10	45.10	16.00	6.39	4.38	1.35	1.02
1979	1.06	2.18	4.83	6.93	2.87	51.80	56.20	20.20	4.71	2.24	3.86	1.40
1980	2.22	7.14	19.40	12.70	16.80	49.30	38.90	11.60	38.30	2.46	5.70	27.00
1981	7.26	5.25	18.70	7.60	45.00	15.30	66.50	60.80	80.30	20.90	5.62	8.32
1982	8.69	9.10	8.44	20.70	33.20	110.00	42.80	14.30	16.40	4.27	1.98	1.44
1983	1.43	25.10	40.40	14.70	15.60	16.30	50.50	43.10	7.67	11.60	1.17	0.87
1984	1.07	7.85	30.20	7.79	34.80	42.00	34.10	40.90	25.10	11.90	7.91	2.42
1985	13.10	17.40	22.90	33.70	60.60	58.80	42.60	8.14	5.92	2.05	1.65	2.21

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.35	5.17	9.13	7.61	10.20	21.40
FIFTIETH PERCENTILE					
2.86	8.11	19.10	11.60	25.40	39.70
SEVENTY FIFTH PERCENTILE					
10.30	18.10	28.40	20.80	34.40	51.20
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
25.50	11.30	6.04	2.71	1.63	1.41
FIFTIETH PERCENTILE					
42.40	18.80	10.80	4.32	3.16	2.18
SEVENTY FIFTH PERCENTILE					
49.50	34.70	26.40	7.26	5.68	10.30

## 03331500 TIPPECANOE RIVER NEAR ORA, IN

LOCATION.--Lat 41°09'26", long 86°33'49", in SE¼SE¼ sec.6, T.31 N., R.1 W., Pulaski County, Hydrologic Unit 05120106, on right bank at downstream side of bridge on County Road 700 East, 1.0 mi upstream from Bartee ditch, 1.3 mi southwest of Ora, and at mile 78.5.

DRAINAGE AREA.--856 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1943 to September 1985. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 692.91 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 30, 1956, nonrecording gage on upstream side of old highway bridge, 120 ft downstream. July 30, 1956, to Dec. 20, 1964, water-stage recorder on right bank at downstream side of old highway bridge, and Dec. 21, 1964, to Aug. 19, 1965, nonrecording gage on right bank 500 ft downstream. All gages at same datum.

AVERAGE DISCHARGE.--42 years, 839 ft<sup>3</sup>/s, 13.31 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft<sup>3</sup>/s June 15, 1981, gage height, 15.08 ft; minimum daily, 87 ft<sup>3</sup>/s Sept. 13, 1966.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944				3	33	29	8	7	22	35	42	20	16	6	8	11	13	14	10	16	13	12	12	12	4	6	4	5	4	1						
1945				15	18	43	45	11	7	23	18	17	10	17	31	24	21	14	16	11	7	4	3	4	1	2	3									
1946				5	26	23	12	11	15	8	12	25	20	24	30	35	26	17	8	17	14	7	19	5	3	3										
1947				13	8	8	17	5	18	42	50	38	15	26	20	7	10	19	10	16	14	11	11	4	2	1										
1948				10	27	3	6	14	46	38	20	26	21	29	16	21	23	5	10	10	12	12	8	6	3											
1949				57	16	20	23	20	11	15	17	10	29	22	20	26	14	19	7	5	13	8	5	4	2	1	1									
1950				2	2	1	5	33	33	16	19	20	19	19	14	17	8	8	8	10	16	22	26	17	15	9	12	6	5	2	1					
1951								5	28	25	12	25	21	30	18	26	18	20	12	25	28	13	19	8	13	6	11	2								
1952								3	18	29	17	14	13	17	14	23	44	20	29	29	22	24	17	10	6											
1953				4	20	12	16	12	10	40	30	28	20	21	23	29	21	32	25	8	8	4	1	1												
1954				2	49	7	49	26	11	16	26	23	31	31	21	8	4	8	4	6	14	10	12	6	1											
1955				3	14	19	9	9	18	14	10	23	21	32	37	26	22	15	9	29	20	10	6	5	5	4	5									
1956				3	16	12	15	51	42	19	22	20	22	16	19	23	23	12	18	8	2	4	4	3	2	4	3	1	1	1						
1957				12	38	17	32	24	31	21	24	37	21	25	10	14	13	4	3	5	6	8	14	4	2											
1958				13	3	12	12	12	23	33	14	25	35	36	31	35	9	17	19	10	15	3	6	2												
1959				9	12	7	15	5	4	5	8	52	36	24	26	30	32	14	15	20	14	12	8	3	5	2										
1960								14	24	19	17	14	19	42	29	33	44	22	38	16	13	5	3	3	5	4	2									
1961							38	31	50	27	21	17	21	21	15	11	20	20	8	14	18	11	10	7	2	2	1									
1962				2	7	25	22	8	11	11	13	14	12	38	23	32	31	24	25	10	15	5	7	7	9	6	5	1	1	1						
1963				2	14	41	53	56	36	25	17	11	8	16	16	10	13	8	10	4	6	3	2	3	1	1	2	1	1	1						
1964				7	13	43	48	52	43	22	9	12	13	20	16	12	10	5	12	12	6	7	1	3												
1965				28	23	11	14	13	35	26	19	14	21	21	20	12	13	12	9	34	18	11	8	2	1											
1966				10	11	5	6	12	18	11	8	18	21	31	42	34	29	19	18	13	12	6	12	9	3	9	5	1	2							
1967				7	16	28	29	14	7	6	10	2	7	5	6	10	24	20	24	23	14	25	20	21	21	10	7	2	1	1	1	1	1	2		
1968				7	3	5	3	10	9	13	14	22	25	24	10	33	31	27	18	43	15	8	10	6	9	5	8	4	1							
1969				1	17	10	18	23	13	14	6	13	15	25	37	24	35	22	28	18	18	10	5	4	4	2	1	2								
1970				5	16	12	26	42	27	21	38	23	24	32	19	20	10	12	10	9	9	4	2	2	2											
1971				10	35	29	7	7	22	25	30	23	29	37	25	14	19	13	10	10	6	5	1	4	2	2										
1972				2	16	17	23	26	35	37	30	21	16	19	21	21	8	13	8	9	21	7	4	4	5	3										
1973				4	17	4	2	20	17	10	6	8	17	13	22	14	26	35	62	37	25	13	6	3	2	2										
1974				14	21	30	34	30	11	6	17	10	3	3	20	28	11	18	22	19	18	18	12	6	10	2	2									
1975				28	2	4		15	32	40	27	14	19	18	20	38	20	21	15	13	11	11	8	3	2	2	2									
1976				13	21	7	24	56	31	16	19	18	20	22	29	14	6	14	8	9	6	3	5	6	7	4	7	1								
1977				4	41	84	40	41	14	19	10	5	7	12	19	12	9	17	13	6	3	6	2	1												
1978				7	26	24	9	8	12	28	43	43	25	17	16	8	13	6	12	7	9	7	8	11	2	8	6	4	2	2	2					
1979				4	27	29	39	48	50	25	20	19	8	3	3	3	3	7	14	20	8	15	4	8	1	1	2	1	1	1	1					
1980				11	15	19	25	16	29	13	22	22	40	37	15	21	8	9	6	7	10	10	13	6	7	2	2	1								
1981								3	15	41	55	44	33	15	11	13	15	6	13	10	16	12	12	10	7	6	9	5	4	5	2	2	1			
1982				2	30	22	10	15	30	32	33	30	17	21	5	7	13	7	14	10	13	12	3	2	2	2	2	2	3	5						
1983				8	23	20	33	12	6	11	8	6	19	35	35	20	19	10	28	14	8	9	12	12	7	5	3	2								
1984				13	15	31	21	27	20	30	22	15	20	19	14	18	10	20	18	9	12	7	8	9	7	1										
1985				3	38	27	15	19	6	13	16	23	27	27	26	14	10	20	8	8	9	7	8	10	8	7	5	5	2	1	2	1				

## 03331500 TIPPECANOE RIVER NEAR ORA, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	400.0	926	9834	64.10	24	2100.0	307	1093	7.12
1	87.0	10	15341	100.00	13	460.0	926	8908	58.07	25	2400.0	259	786	5.12
2	100.0	25	15331	99.93	14	530.0	832	7982	52.03	26	2800.0	170	527	3.44
3	110.0	44	15306	99.77	15	610.0	877	7150	46.61	27	3200.0	137	357	2.33
4	130.0	238	15262	99.49	16	700.0	862	6273	40.89	28	3700.0	79	220	1.43
5	150.0	386	15024	97.93	17	800.0	801	5411	35.27	29	4200.0	59	141	0.92
6	170.0	702	14638	95.42	18	920.0	857	4610	30.05	30	4800.0	29	82	0.53
7	200.0	685	13936	90.84	19	1100.0	434	3753	24.46	31	5600.0	22	53	0.35
8	230.0	720	13251	86.38	20	1200.0	738	3319	21.63	32	6400.0	18	31	0.20
9	260.0	843	12531	81.68	21	1400.0	561	2581	16.82	33	7300.0	11	13	0.08
10	300.0	951	11688	76.19	22	1600.0	458	2020	13.17	34	8400.0	2	2	0.01
11	350.0	903	10737	69.99	23	1800.0	469	1562	10.18					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 173.0  
 P90 = 206.0  
 P75 = 310.0  
 P70 = 350.0  
 P50 = 560.0  
 P25 = 1080.0  
 P10 = 1820.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	144.00 10	146.00 10	150.00 10	153.00 10	162.00 9	167.00 9	172.00 6	181.00 5	198.00 3
1946	250.00 35	260.00 36	273.00 36	315.00 39	415.00 41	568.00 41	565.00 39	676.00 41	715.00 38
1947	131.00 6	133.00 6	134.00 6	137.00 6	148.00 6	157.00 6	169.00 5	196.00 7	252.00 8
1948	199.00 25	201.00 25	206.00 25	209.00 23	242.00 25	320.00 33	356.00 31	362.00 24	427.00 23
1949	156.00 12	157.00 12	160.00 11	168.00 12	172.00 11	176.00 10	197.00 10	217.00 10	278.00 12
1950	176.00 20	177.00 20	180.00 19	186.00 19	204.00 19	217.00 18	283.00 22	321.00 21	400.00 22
1951	250.00 36	251.00 33	255.00 33	266.00 33	285.00 32	312.00 30	365.00 32	432.00 34	590.00 33
1952	271.00 38	274.00 38	278.00 38	292.00 37	312.00 37	358.00 34	433.00 35	561.00 37	723.00 39
1953	245.00 33	252.00 34	262.00 35	284.00 35	295.00 35	304.00 29	304.00 24	339.00 23	382.00 19
1954	122.00 4	124.00 4	129.00 5	130.00 3	134.00 2	139.00 2	141.00 2	152.00 1	172.00 1
1955	172.00 18	176.00 19	179.00 18	184.00 18	213.00 22	294.00 28	371.00 33	407.00 32	654.00 36
1956	140.00 8	141.00 8	146.00 9	152.00 9	168.00 10	207.00 15	253.00 18	286.00 18	362.00 17
1957	144.00 9	144.00 9	145.00 8	148.00 8	152.00 7	157.00 7	173.00 7	198.00 8	236.00 5
1958	176.00 21	179.00 21	183.00 20	189.00 20	208.00 21	213.00 17	243.00 17	311.00 19	461.00 25
1959	232.00 32	236.00 32	247.00 32	254.00 32	292.00 34	382.00 36	605.00 41	659.00 40	865.00 40
1960	152.00 11	156.00 11	160.00 12	166.00 11	189.00 16	244.00 22	340.00 29	398.00 30	523.00 29
1961	200.00 26	202.00 26	209.00 26	212.00 24	222.00 23	229.00 20	259.00 19	259.00 17	280.00 13
1962	310.00 41	314.00 41	329.00 41	339.00 40	382.00 39	491.00 40	566.00 40	631.00 39	661.00 37
1963	116.00 3	119.00 3	125.00 3	135.00 5	152.00 8	159.00 8	179.00 9	195.00 6	191.00 2
1964	128.00 5	128.00 5	129.00 4	134.00 4	137.00 3	153.00 5	164.00 4	169.00 4	200.00 4
1965	106.00 2	106.00 2	107.00 2	112.00 2	143.00 4	147.00 3	153.00 3	159.00 3	237.00 6
1966	217.00 28	223.00 29	225.00 28	234.00 30	270.00 29	313.00 31	330.00 26	374.00 25	391.00 20
1967	87.00 1	89.00 1	93.00 1	102.00 1	104.00 1	122.00 1	135.00 1	158.00 2	272.00 11
1968	137.00 7	137.00 7	138.00 7	141.00 7	145.00 5	153.00 4	175.00 8	232.00 12	369.00 18
1969	226.00 31	229.00 31	235.00 31	250.00 31	282.00 31	285.00 26	338.00 28	402.00 31	621.00 35
1970	167.00 17	171.00 17	184.00 21	189.00 21	206.00 20	236.00 21	289.00 23	377.00 27	434.00 24
1971	185.00 24	188.00 24	197.00 24	231.00 27	242.00 26	290.00 27	334.00 27	418.00 33	519.00 28
1972	161.00 15	165.00 15	170.00 16	179.00 17	184.00 14	201.00 13	212.00 13	222.00 11	256.00 10
1973	271.00 39	274.00 39	278.00 39	306.00 38	363.00 38	393.00 37	448.00 36	572.00 38	923.00 41
1974	223.00 30	224.00 30	228.00 29	234.00 28	256.00 28	268.00 25	282.00 21	327.00 22	395.00 21
1975	174.00 19	174.00 18	175.00 17	178.00 16	186.00 15	201.00 14	215.00 14	250.00 15	317.00 15
1976	266.00 37	270.00 37	274.00 37	284.00 36	300.00 36	318.00 32	351.00 30	377.00 28	551.00 31
1977	181.00 22	185.00 22	191.00 22	200.00 22	202.00 18	221.00 19	233.00 15	238.00 14	237.00 7
1978	184.00 23	185.00 23	196.00 23	213.00 25	289.00 33	372.00 35	379.00 34	392.00 29	474.00 26
1979	158.00 13	160.00 13	162.00 13	171.00 14	181.00 13	190.00 11	199.00 11	209.00 9	255.00 9
1980	166.00 16	167.00 16	169.00 15	176.00 15	192.00 17	212.00 16	234.00 16	258.00 16	302.00 14
1981	247.00 34	252.00 35	256.00 34	271.00 34	279.00 30	402.00 38	492.00 38	486.00 36	517.00 27
1982	282.00 40	286.00 40	303.00 40	340.00 41	389.00 40	431.00 39	453.00 37	481.00 35	570.00 32
1983	212.00 27	215.00 27	229.00 30	234.00 29	242.00 27	247.00 23	259.00 20	316.00 20	537.00 30
1984	161.00 14	163.00 14	165.00 14	169.00 13	180.00 12	191.00 12	212.00 12	237.00 13	360.00 16
1985	219.00 29	221.00 28	224.00 27	227.00 26	236.00 24	249.00 24	307.00 25	376.00 26	599.00 34

## 03331500 TIPPECANOE RIVER NEAR ORA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	4990.00 13	4530.00 14	4180.00 12	3880.00 8	3060.00 8	2420.00 7	2110.00 7	1840.00 7	1370.00 16
1945	3950.00 23	3890.00 22	3430.00 21	2570.00 26	1890.00 27	1570.00 28	1400.00 27	1260.00 27	1050.00 30
1946	3170.00 31	3010.00 31	2670.00 30	2030.00 35	1450.00 39	1310.00 37	1340.00 31	1180.00 33	1100.00 26
1947	2860.00 35	2740.00 35	2380.00 37	2100.00 32	1770.00 33	1550.00 29	1400.00 28	1180.00 34	982.00 32
1948	3090.00 32	2870.00 34	2500.00 35	2040.00 33	1660.00 35	1600.00 27	1510.00 24	1340.00 26	1080.00 27
1949	4240.00 21	3950.00 20	3340.00 24	2740.00 24	2090.00 25	1900.00 18	1610.00 21	1400.00 23	1200.00 21
1950	7600.00 4	7150.00 4	6180.00 4	5390.00 3	4340.00 2	3420.00 3	3410.00 1	3310.00 1	2610.00 1
1951	3840.00 26	3670.00 25	3360.00 22	2910.00 17	2390.00 19	2100.00 14	1940.00 12	1760.00 9	1500.00 10
1952	3060.00 34	2930.00 32	2620.00 32	2520.00 27	2240.00 22	1860.00 19	1730.00 17	1720.00 11	1560.00 7
1953	1840.00 41	1690.00 41	1530.00 41	1300.00 41	1130.00 41	1020.00 41	950.00 40	881.00 39	767.00 40
1954	2150.00 40	2040.00 40	1840.00 39	1660.00 39	1610.00 36	1340.00 36	1090.00 38	960.00 38	771.00 39
1955	3540.00 27	3540.00 27	3250.00 25	2590.00 25	1850.00 31	1380.00 34	1290.00 33	1220.00 30	1170.00 22
1956	5650.00 11	5050.00 11	4070.00 13	3470.00 12	2620.00 12	1710.00 25	1490.00 26	1370.00 24	1060.00 28
1957	2460.00 39	2380.00 38	2140.00 38	2010.00 36	1890.00 28	1340.00 35	1120.00 37	1020.00 36	832.00 37
1958	2800.00 36	2720.00 36	2580.00 33	1960.00 38	1430.00 40	1300.00 38	1290.00 34	1240.00 29	957.00 34
1959	6800.00 6	6670.00 5	5860.00 5	4250.00 6	3170.00 7	2390.00 8	2090.00 8	1820.00 8	1440.00 12
1960	4180.00 22	3820.00 23	3210.00 26	2360.00 28	2200.00 23	1760.00 22	1500.00 25	1440.00 21	1300.00 20
1961	3300.00 30	3080.00 30	2740.00 29	2260.00 29	1860.00 30	1530.00 31	1380.00 29	1200.00 31	1050.00 29
1962	4260.00 20	3910.00 21	3170.00 27	2910.00 18	2270.00 20	1740.00 24	1580.00 22	1410.00 22	1170.00 23
1963	6500.00 8	5470.00 10	4300.00 11	2890.00 20	1950.00 26	1290.00 39	1010.00 39	849.00 41	753.00 41
1964	1680.00 42	1640.00 42	1490.00 42	1120.00 42	919.00 42	786.00 42	629.00 42	625.00 42	524.00 42
1965	2560.00 38	2120.00 39	1810.00 40	1550.00 40	1540.00 37	1440.00 33	1370.00 30	1250.00 28	1010.00 31
1966	3070.00 33	2880.00 33	2510.00 34	2030.00 34	1460.00 38	1050.00 40	927.00 41	869.00 40	883.00 36
1967	6450.00 10	6230.00 8	5110.00 8	3740.00 10	2540.00 14	1760.00 23	1650.00 19	1610.00 16	1540.00 8
1968	6490.00 9	6030.00 9	4900.00 9	3740.00 11	2440.00 16	2080.00 15	1780.00 14	1670.00 14	1460.00 11
1969	4790.00 15	4410.00 18	3780.00 19	2910.00 19	2410.00 18	1830.00 20	1520.00 23	1460.00 20	1320.00 19
1970	3480.00 28	3310.00 28	2810.00 28	2170.00 30	1830.00 32	1600.00 26	1330.00 32	1180.00 32	961.00 33
1971	3390.00 29	3160.00 29	2640.00 31	2120.00 31	1880.00 29	1550.00 30	1220.00 35	1050.00 35	947.00 35
1972	3920.00 24	3770.00 24	3470.00 20	2860.00 21	2470.00 15	2050.00 16	1630.00 20	1360.00 25	1150.00 25
1973	4620.00 19	4360.00 19	3800.00 17	2810.00 22	2270.00 21	2110.00 13	1950.00 11	1920.00 6	1880.00 4
1974	4650.00 18	4420.00 17	3880.00 16	3270.00 13	2420.00 17	2390.00 9	2170.00 6	1950.00 5	1740.00 6
1975	4690.00 17	4470.00 15	3900.00 15	3240.00 14	2620.00 13	1930.00 17	1670.00 18	1530.00 18	1430.00 13
1976	4990.00 14	4800.00 12	4610.00 10	3980.00 7	3570.00 5	2580.00 6	2010.00 9	1670.00 15	1390.00 15
1977	2800.00 37	2630.00 37	2380.00 36	2000.00 37	1670.00 34	1470.00 32	1200.00 36	977.00 37	790.00 38
1978	6640.00 7	6490.00 7	5730.00 6	4640.00 5	4050.00 4	2730.00 5	2180.00 5	1750.00 10	1510.00 9
1979	7390.00 5	6630.00 6	5490.00 7	3790.00 9	2730.00 9	2240.00 10	1950.00 10	1580.00 17	1160.00 24
1980	5270.00 12	4720.00 13	3780.00 18	3010.00 15	2730.00 10	2140.00 12	1850.00 13	1700.00 12	1340.00 17
1981	8450.00 1	8060.00 3	6660.00 3	5130.00 4	3550.00 6	3180.00 4	3040.00 2	2510.00 2	2030.00 2
1982	8370.00 3	8110.00 2	7590.00 1	6320.00 1	4550.00 1	3450.00 2	2760.00 3	2380.00 3	1860.00 5
1983	4770.00 16	4440.00 16	3910.00 14	2960.00 16	2660.00 11	2240.00 11	1740.00 16	1490.00 19	1430.00 14
1984	3840.00 25	3600.00 26	3340.00 23	2740.00 23	2200.00 24	1800.00 21	1750.00 15	1670.00 13	1340.00 18
1985	8420.00 2	8140.00 1	6950.00 2	5770.00 2	4310.00 3	3480.00 1	2610.00 4	2370.00 4	1910.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	727.00 14
1946	1040.00 32
1947	431.00 3
1948	816.00 20
1949	813.00 19
1950	1170.00 37
1951	1240.00 38
1952	1140.00 35
1953	742.00 16
1954	380.00 2
1955	920.00 28
1956	545.00 8
1957	569.00 9
1958	731.00 15
1959	1070.00 33
1960	853.00 23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	849.00 20
1945	674.00 32
1946	750.00 26
1947	658.00 33
1948	726.00 27
1949	754.00 25
1950	1580.00 1
1951	1060.00 7
1952	1080.00 6
1953	523.00 39
1954	493.00 40
1955	813.00 23
1956	721.00 28
1957	531.00 38
1958	833.00 21
1959	973.00 10

## 03331500 TIPPECANOE RIVER NEAR ORA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	713.00	12
1962	1000.00	31
1963	456.00	4
1964	365.00	1
1965	535.00	7
1966	674.00	10
1967	832.00	22
1968	960.00	29
1969	971.00	30
1970	704.00	11
1971	864.00	24
1972	461.00	5
1973	1420.00	40
1974	1100.00	34
1975	799.00	18
1976	1150.00	36
1977	514.00	6
1978	827.00	21
1979	793.00	17
1980	727.00	13
1981	873.00	25
1982	1600.00	41
1983	893.00	26
1984	909.00	27
1985	1250.00	39

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	946.00	11
1961	694.00	31
1962	763.00	24
1963	476.00	41
1964	354.00	42
1965	649.00	34
1966	586.00	36
1967	943.00	14
1968	1050.00	8
1969	916.00	16
1970	708.00	30
1971	648.00	35
1972	828.00	22
1973	1350.00	2
1974	1040.00	9
1975	925.00	15
1976	868.00	19
1977	561.00	37
1978	945.00	12
1979	717.00	29
1980	899.00	17
1981	1250.00	3
1982	1140.00	5
1983	945.00	13
1984	868.00	18
1985	1150.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	396.00	606.00	382.00	295.00	564.00	1445.0	2830.0	1949.0	1061.0	345.00	173.00	162.00
1945	187.00	225.00	219.00	237.00	453.00	897.00	1289.0	1822.0	991.00	420.00	755.00	581.00
1946	1387.0	665.00	548.00	1371.0	1171.0	1426.0	631.00	497.00	663.00	307.00	189.00	158.00
1947	161.00	387.00	344.00	541.00	683.00	633.00	1631.0	1369.0	1037.0	403.00	255.00	486.00
1948	336.00	467.00	622.00	667.00	989.00	1557.0	1219.0	1425.0	612.00	396.00	253.00	173.00
1949	178.00	283.00	475.00	1673.0	2049.0	1110.0	747.00	802.00	823.00	540.00	254.00	207.00
1950	485.00	339.00	883.00	3552.0	2795.0	2698.0	4116.0	1141.0	1186.0	879.00	552.00	448.00
1951	296.00	452.00	930.00	1397.0	1923.0	1626.0	2072.0	1117.0	749.00	1311.0	522.00	354.00
1952	529.00	874.00	986.00	1932.0	1780.0	1466.0	1715.0	1287.0	1131.0	562.00	431.00	306.00
1953	303.00	353.00	440.00	582.00	729.00	1076.0	936.00	755.00	502.00	263.00	201.00	145.00
1954	134.00	155.00	203.00	245.00	344.00	681.00	1490.0	945.00	547.00	567.00	376.00	225.00
1955	1701.0	743.00	604.00	1211.0	934.00	1677.0	1021.0	600.00	489.00	332.00	264.00	171.00
1956	380.00	718.00	413.00	280.00	886.00	1014.0	851.00	2487.0	749.00	357.00	308.00	205.00
1957	154.00	174.00	269.00	332.00	474.00	451.00	1754.0	913.00	593.00	803.00	256.00	218.00
1958	344.00	561.00	1068.0	904.00	536.00	811.00	525.00	337.00	1306.0	1001.0	1357.0	1224.0
1959	710.00	712.00	546.00	715.00	3020.0	1595.0	1594.0	1124.0	689.00	651.00	286.00	213.00
1960	542.00	874.00	776.00	1161.0	1409.0	950.00	2073.0	1286.0	938.00	648.00	410.00	328.00
1961	257.00	305.00	250.00	235.00	464.00	1363.0	1528.0	1182.0	574.00	497.00	1090.0	570.00
1962	599.00	715.00	698.00	1184.0	1174.0	2200.0	1028.0	560.00	402.00	274.00	173.00	158.00
1963	232.00	222.00	187.00	183.00	192.00	1840.0	652.00	472.00	367.00	805.00	347.00	174.00
1964	138.00	191.00	177.00	311.00	210.00	526.00	904.00	437.00	322.00	699.00	185.00	143.00
1965	151.00	167.00	272.00	811.00	1008.0	1349.0	1520.0	943.00	464.00	337.00	298.00	501.00
1966	421.00	407.00	919.00	912.00	672.00	700.00	651.00	1404.0	400.00	247.00	172.00	107.00
1967	138.00	619.00	2478.0	797.00	1242.0	1719.0	1750.0	1179.0	753.00	337.00	172.00	147.00
1968	299.00	537.00	1861.0	1173.0	2275.0	1106.0	1412.0	920.00	1147.0	1121.0	550.00	297.00
1969	286.00	641.00	1051.0	1723.0	1768.0	805.00	1463.0	1105.0	759.00	875.00	353.00	221.00
1970	324.00	765.00	571.00	459.00	700.00	869.00	1826.0	1238.0	597.00	340.00	267.00	563.00
1971	567.00	818.00	768.00	425.00	1778.0	1280.0	644.00	461.00	466.00	240.00	185.00	237.00
1972	248.00	264.00	761.00	762.00	448.00	811.00	2212.0	1819.0	528.00	382.00	494.00	1218.0
1973	1310.0	1933.0	1712.0	2103.0	1365.0	2005.0	2101.0	1092.0	1375.0	506.00	463.00	258.00
1974	284.00	322.00	805.00	2003.0	1798.0	2258.0	1514.0	1655.0	980.00	428.00	248.00	214.00
1975	191.00	390.00	445.00	1043.0	1362.0	1168.0	1119.0	1239.0	2622.0	727.00	455.00	414.00
1976	301.00	363.00	1151.0	633.00	2585.0	2306.0	1045.0	666.00	533.00	405.00	295.00	205.00
1977	245.00	260.00	243.00	226.00	578.00	1470.0	1254.0	545.00	289.00	478.00	417.00	739.00
1978	540.00	453.00	1674.0	567.00	453.00	2455.0	2707.0	1179.0	542.00	332.00	200.00	195.00
1979	204.00	254.00	354.00	400.00	443.00	2690.0	1753.0	1201.0	442.00	268.00	350.00	208.00
1980	220.00	382.00	709.00	678.00	658.00	1845.0	2327.0	716.00	1693.0	338.00	479.00	774.00
1981	436.00	381.00	697.00	442.00	1405.0	891.00	2296.0	2869.0	3468.0	1255.0	514.00	449.00
1982	465.00	532.00	498.00	978.00	1600.0	4239.0	2305.0	1004.0	1060.0	526.00	284.00	248.00
1983	245.00	930.00	1758.0	894.00	753.00	731.00	2318.0	2059.0	582.00	644.00	225.00	186.00
1984	244.00	334.00	794.00	449.00	1365.0	1735.0	1581.0	1436.0	1454.0	499.00	327.00	238.00
1986	477.00	1030.0	1071.0	1613.0	2011.0	3300.0	2483.0	658.00	483.00	256.00	290.00	235.00



03331500 TIPPECANOE RIVER NEAR ORA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
216.00	300.00	375.00	419.00	557.00	886.00
FIFTIETH PERCENTILE					
300.00	430.00	660.00	739.00	999.00	1395.00
SEVENTY FIFTH PERCENTILE					
479.00	713.00	944.00	1191.00	1771.00	1841.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1026.00	704.00	499.00	337.00	242.00	183.00
FIFTIETH PERCENTILE					
1524.00	1121.00	676.00	453.00	297.00	230.00
SEVENTY FIFTH PERCENTILE					
2080.00	1378.00	1060.00	663.00	457.00	448.00

## 0332300 LITTLE INDIAN CREEK NEAR ROYAL CENTER, IN

LOCATION.--Lat 40°52'53", long 86°35'26", in NE¼NW¼ sec.13, T.28 N., R.2 W., White County, Hydrologic Unit 05120106, on right bank at downstream side of county road bridge, 2.9 mi upstream from mouth, 3.2 mi downstream from Fredericks ditch, and 4.8 mi northwest of Royal Center Post Office.

DRAINAGE AREA.--35.0 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1959 to September 1973, converted to partial-record station.

GAGE.--Water-stage recorder. Datum of gage is 692.73 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--14 years, 28.7 ft<sup>3</sup>/s, 11.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 500 ft<sup>3</sup>/s Mar. 5, 1963 (gage height unknown); minimum daily, 0.5 ft<sup>3</sup>/s Dec. 17-22, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 11.2 ft in Spring of 1957, from information by local residents.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1960							1	3	2	5	4	25	25	25	16	21	19	26	31	32	36	25	18	14	11	5	4	7	2	3	1	5				
1961							4	16	4	15	50	37	7	11	13	18	27	25	21	26	12	17	12	7	8	6	13	2	8	4	2					
1962									5	9	11	19	6	23	32	23	25	40	38	45	20	18	9	11	3	4	9	1	4	7	1	2				
1963									21	27	66	55	41	24	9	10	20	20	9	15	14	7	14	4	5		2		1					1		
1964		9	16	7	5	16	13	22	21	40	46	12	26	13	18	17	17	20	6	8	8	4	5	8	3	2	2		2							
1965		1	8	46	3	16	13	9	4	15	20	19	24	22	18	20	12	11	11	14	10	12	11	10	11	7	5	9	1	2	1					
1966						10	22	22	18	18	11	13	29	24	16	27	22	25	33	19	15	9	8	9	2	6	2	1	1	1			2			
1967						14	39	25	29	9	7	7	2	13	23	14	24	24	12	21	20	18	17	15	8	4	6	4	4	2	2	2				
1968							14	6	6	8	16	16	10	15	16	33	53	21	24	11	27	22	11	12	6	7	5	6	5	7	5	2	2		2	
1969											22	37	16	6	14	14	29	47	19	31	31	26	17	10	14	5	8	4	4	5	3	2	1			
1970										8	10	14	18	21	69	25	17	29	18	28	29	13	13	12	6	8	9	5	3	5	2	1	2			
1971									7	9	15	20	32	25	41	25	31	46	25	23	13	8	8	8	7	5	5	1	2	2	3	2	2			
1972							1	2	2	4	3	6	32	53	35	31	28	31	31	24	16	15	12	11	10	12	4	2	1							
1973											6	5	17	13	14	12	15	15	34	33	34	46	42	23	17	10	11	10	5	1	2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5114	100.00	12	4.8	288	4159	81.33	24	55.0	171	654	12.79
1	0.50	10	5114	100.00	13	5.8	251	3871	75.69	25	68.0	114	483	9.44
2	0.61	8	5104	99.80	14	7.2	253	3620	70.79	26	84.0	82	369	7.22
3	0.75	62	5096	99.65	15	8.8	357	3367	65.84	27	100.0	101	287	5.61
4	0.92	10	5034	98.44	16	11.0	269	3010	58.86	28	130.0	41	186	3.64
5	1.1	21	5024	98.24	17	13.0	325	2741	53.60	29	150.0	52	145	2.84
6	1.4	54	5003	97.83	18	16.0	414	2416	47.24	30	190.0	39	93	1.82
7	1.7	90	4949	96.77	19	20.0	294	2002	39.15	31	230.0	26	54	1.06
8	2.1	106	4859	95.01	20	24.0	351	1708	33.40	32	290.0	18	28	0.55
9	2.6	133	4753	92.94	21	30.0	267	1357	26.53	33	350.0	8	10	0.20
10	3.2	167	4620	90.34	22	37.0	226	1090	21.31	34	430.0	2	2	0.04
11	3.9	294	4453	87.07	23	45.0	210	864	16.89					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	2.1
P90 =	3.3
P75 =	6.0
P70 =	7.5
P50 =	14.7
P25 =	32.1
P10 =	65.9

## 03332300 LITTLE INDIAN CREEK NEAR ROYAL CENTER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	2.00 6	2.00 6	2.10 6	2.10 5	2.90 5	3.90 6	4.30 5	4.40 5	5.00 3
1962	7.40 13	7.40 13	8.30 13	8.80 13	11.00 13	15.00 13	15.00 13	19.00 12	24.00 12
1963	3.00 9	3.00 8	3.00 7	3.00 7	4.00 7	4.40 7	4.70 7	5.10 6	6.00 5
1964	0.50 1	0.50 1	0.51 1	0.89 2	2.00 3	2.50 3	2.70 3	3.20 3	3.80 2
1965	0.60 2	0.67 2	0.69 2	0.81 1	0.82 1	0.87 1	0.92 1	1.10 1	3.00 1
1966	1.30 3	1.30 3	2.00 5	2.20 6	3.10 6	3.80 5	4.50 6	5.60 7	6.90 6
1967	1.50 4	1.50 4	1.60 4	1.60 3	1.80 2	1.80 2	2.00 2	2.30 2	5.80 4
1968	1.50 5	1.50 5	1.50 3	1.70 4	2.80 4	2.80 4	3.00 4	3.60 4	7.00 7
1969	3.80 11	3.90 11	4.40 12	4.60 10	5.20 10	5.30 8	8.10 9	12.00 9	19.00 9
1970	4.00 12	4.00 12	4.20 11	4.60 11	5.40 11	6.80 10	11.00 11	19.00 13	20.00 10
1971	3.40 10	3.40 10	3.50 10	4.30 9	4.60 9	8.20 11	9.40 10	14.00 10	20.00 11
1972	2.90 8	3.00 9	3.30 8	3.70 8	4.40 8	6.20 9	7.70 8	8.70 8	12.00 8
1973	2.30 7	2.70 7	3.50 9	4.90 12	7.40 12	9.70 12	13.00 12	17.00 11	29.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1960	277.00 10	235.00 9	149.00 10	89.00 11	87.00 7	67.00 8	57.00 8	50.00 8	43.00 8
1961	253.00 11	211.00 11	178.00 8	141.00 7	111.00 4	82.00 5	68.00 5	57.00 5	50.00 4
1962	298.00 9	259.00 8	180.00 7	158.00 5	119.00 3	85.00 3	74.00 4	62.00 3	49.00 5
1963	400.00 3	230.00 10	130.00 11	79.00 12	49.00 14	38.00 13	33.00 13	33.00 12	24.00 13
1964	176.00 14	132.00 14	82.00 14	62.00 14	50.00 13	38.00 14	30.00 14	26.00 14	20.00 14
1965	204.00 13	155.00 13	105.00 13	77.00 13	63.00 12	56.00 10	47.00 10	43.00 11	32.00 12
1966	338.00 7	277.00 7	170.00 9	114.00 9	67.00 11	42.00 12	35.00 12	29.00 13	33.00 11
1967	319.00 8	289.00 6	201.00 6	117.00 8	73.00 10	70.00 7	60.00 6	53.00 6	48.00 6
1968	436.00 1	374.00 1	332.00 1	228.00 1	134.00 2	117.00 1	94.00 1	78.00 1	65.00 2
1969	387.00 4	358.00 3	250.00 4	160.00 4	106.00 5	71.00 6	58.00 7	52.00 7	51.00 3
1970	415.00 2	374.00 2	270.00 2	173.00 2	138.00 1	99.00 2	75.00 3	60.00 4	48.00 7
1971	365.00 5	321.00 4	260.00 3	161.00 3	87.00 8	56.00 11	41.00 11	47.00 9	38.00 10
1972	209.00 12	175.00 12	123.00 12	101.00 10	82.00 9	61.00 9	50.00 9	43.00 10	40.00 9
1973	343.00 6	290.00 5	227.00 5	141.00 6	101.00 6	84.00 4	76.00 2	76.00 2	71.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	23.00 6
1962	44.00 12
1963	14.00 2
1964	12.00 1
1965	17.00 3
1966	19.00 4
1967	24.00 7
1968	38.00 11
1969	36.00 9
1970	31.00 8
1971	38.00 10
1972	23.00 5
1973	51.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	28.00 8
1961	29.00 7
1962	31.00 5
1963	15.00 13
1964	12.00 14
1965	18.00 12
1966	19.00 11
1967	27.00 9
1968	45.00 2
1969	36.00 3
1970	34.00 4
1971	27.00 10
1972	29.00 6
1973	52.00 1

03332300 LITTLE INDIAN CREEK NEAR ROYAL CENTER, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1959	*	*	*	*	*	*	*	*	*	*	*	*
1960	5.73	18.30	19.90	23.70	53.80	36.10	62.50	46.50	34.90	13.20	15.90	5.40
1961	4.44	5.55	4.42	4.30	16.60	65.00	81.40	51.30	22.20	30.60	42.60	17.70
1962	12.10	28.20	23.40	55.20	53.70	106.00	29.20	19.50	17.80	12.90	6.59	5.03
1963	10.40	6.26	4.86	4.31	5.28	46.80	25.50	24.60	34.40	6.91	4.02	4.58
1964	3.31	2.51	2.57	12.20	4.54	22.20	48.30	16.30	14.30	10.70	2.75	1.01
1965	0.85	1.07	1.39	36.90	21.50	51.60	59.40	17.60	7.87	10.50	3.21	4.94
1966	8.12	7.79	46.40	28.90	15.80	21.20	26.20	46.10	20.60	3.66	2.45	1.83
1967	1.79	6.08	65.50	12.10	38.20	58.30	47.90	65.40	18.80	5.80	3.28	2.84
1968	3.37	8.65	130.00	54.20	96.50	22.90	41.70	44.60	78.00	26.80	25.00	6.09
1969	5.16	21.30	37.90	80.60	43.20	21.90	37.70	46.70	48.90	71.90	14.50	5.52
1970	15.80	50.60	20.30	18.80	13.70	29.20	115.00	74.40	18.60	12.30	4.80	38.00
1971	20.70	33.10	18.60	8.62	76.70	35.90	13.40	9.22	87.20	10.30	4.49	10.50
1972	12.10	9.78	57.00	28.40	11.70	25.60	81.10	37.40	26.30	11.00	10.20	41.70
1973	53.00	70.00	70.40	79.30	40.00	89.90	75.70	26.10	61.60	20.50	23.90	7.72
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.35	5.95	4.75	11.20	13.20	22.69
FIFTIETH PERCENTILE					
6.92	9.21	21.80	26.00	29.80	36.00
SEVENTY FIFTH PERCENTILE					
13.00	29.40	59.10	54.40	53.70	60.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
28.40	19.00	18.39	9.45	3.28	2.84
FIFTIETH PERCENTILE					
48.10	41.00	24.19	11.70	4.80	5.40
SEVENTY FIFTH PERCENTILE					
77.00	47.80	52.10	22.10	15.90	10.50

## 03332400 BIG MONON CREEK NEAR FRANCESVILLE, IN

LOCATION.--Lat 40°59'03", long 86°51'43", in NW¼ sec.10, T.29 N., R.4 W., Pulaski County, Hydrologic Unit 05120106, on right bank at downstream side of county road bridge, 1.1 mi east of Francesville, 1.6 mi downstream from right-bank tributary, and 10.2 mi upstream from mouth.

DRAINAGE AREA.--152 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1959 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 653.17 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--14 years, 144 ft<sup>3</sup>/s, 12.87 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,750 ft<sup>3</sup>/s Dec. 25, 1965, gage height, 15.14 ft, from flood marks; maximum gage height, 15.90 ft Feb. 2, 1968; minimum daily discharge, 8.5 ft<sup>3</sup>/s Nov. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 18.60 ft in Spring of 1957, from information by local residents.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1960							4	12	23	20	22	11	12	11	48	37	33	47	24	10	21	6	3	5	2	7		1	3	3		1			
1961					17	4	12	38	16	17	31	18	19	12	30	30	24	21	11	12	14	9	7	6	5	3	4	2	2				1		
1962				3	22	14	15	6	19	13	7	13	19	32	31	44	38	24	21	11	9	5	5	8		1	4	1							
1963			10	16	24	43	19	49	48	33	17	22	20	12	4	5	22	6	5	1	2	2									1	2			
1964			11	37	51	36	32	19	20	41	36	21	17	21	9	7	5	1	1																
1965	4	10	26	49	12	13	14	11	12	9	1	9	14	20	23	29	19	20	8	15	10	11	9	7	3	1	3	1	2						
1966		5	7	13	18	19	7	4	4	6	27	32	43	52	19	22	21	10	5	13	6	4	5	6	8	2	2	1	1	1				2	
1967			26	19	26	21	12	8	6	7	5	8	26	13	31	26	17	16	21	15	16	17	11	5	4	1	5	1			1	1			
1968				1	12	1	1	5	19	25	29	29	49	28	18	23	17	27	22	15	6	6	5	6	3	2	4	7			5	1			
1969								26	36	22	9	16	27	34	34	24	26	18	17	23	16	5	9	6	5	3	2	3	2	2					
1970			1	9	10	16	16	8	36	14	15	37	37	23	35	33	18	9	14	8	6	3	4	2	4	2	1			3	1				
1971			1	1	3	12	24	19	23	33	31	68	44	23	17	21	8	4	15	8	1	3	1	2	2			1							
1972									8	43	31	31	47	26	22	23	23	27	22	13	15	7	7	7	5	6	1			1	1				
1973									5	20	11	13	13	9	16	25	29	31	29	64	30	26	15	13	3	5	3	2	2		1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5114	100.00	12	57.0	261	3387	66.23	24	450.0	73	269	5.26
1	8.5	4	5114	100.00	13	67.0	350	3126	61.13	25	530.0	62	196	3.83
2	10.0	15	5110	99.92	14	80.0	430	2776	54.28	26	630.0	32	134	2.62
3	12.0	54	5095	99.63	15	95.0	317	2346	45.87	27	750.0	28	102	1.99
4	14.0	143	5041	98.57	16	110.0	329	2029	39.68	28	890.0	28	74	1.45
5	17.0	155	4898	95.78	17	130.0	363	1700	33.24	29	1100.0	21	46	0.90
6	20.0	192	4743	92.75	18	160.0	252	1337	26.14	30	1300.0	8	25	0.49
7	24.0	160	4551	88.99	19	190.0	193	1085	21.22	31	1500.0	12	17	0.33
8	28.0	238	4391	85.86	20	220.0	264	892	17.44	32	1800.0	3	5	0.10
9	34.0	207	4153	81.21	21	270.0	155	628	12.28	33	2100.0	0	2	0.04
10	40.0	281	3946	77.16	22	320.0	113	473	9.25	34	2500.0	2	2	0.04
11	48.0	278	3665	71.67	23	380.0	91	360	7.04					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 17.8  
P90 = 22.9  
P75 = 43.2  
P70 = 50.8  
P50 = 87.6  
P25 = 167.0  
P10 = 308.0

## 03332400 BIG MONON CREEK NEAR FRANCESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	18.00 9	18.00 9	18.00 6	18.00 6	26.00 8	31.00 7	33.00 6	36.00 6	37.00 4
1962	53.00 13	53.00 13	56.00 13	61.00 13	74.00 13	114.00 13	127.00 13	152.00 13	150.00 12
1963	12.00 4	12.00 4	12.00 4	16.00 5	18.00 5	26.00 6	30.00 5	31.00 5	31.00 3
1964	12.00 5	12.00 5	12.00 5	13.00 4	16.00 4	17.00 3	17.00 3	17.00 1	21.00 1
1965	8.50 1	9.40 1	10.00 1	11.00 1	13.00 1	14.00 1	15.00 1	18.00 2	29.00 2
1966	10.00 2	10.00 2	11.00 2	12.00 2	14.00 2	21.00 4	41.00 8	57.00 8	65.00 7
1967	11.00 3	11.00 3	11.00 3	12.00 3	15.00 3	16.00 2	17.00 2	20.00 3	47.00 5
1968	16.00 6	18.00 6	19.00 7	21.00 7	21.00 6	25.00 5	26.00 4	31.00 4	51.00 6
1969	32.00 11	32.00 11	33.00 11	35.00 11	36.00 10	40.00 10	49.00 9	63.00 9	89.00 11
1970	28.00 10	28.00 10	30.00 10	32.00 9	33.00 9	37.00 9	58.00 10	74.00 11	79.00 10
1971	16.00 7	18.00 7	19.00 8	22.00 8	23.00 7	32.00 8	39.00 7	52.00 7	66.00 8
1972	16.00 8	18.00 8	26.00 9	34.00 10	41.00 11	48.00 11	61.00 11	73.00 10	76.00 9
1973	44.00 12	45.00 12	47.00 12	50.00 12	69.00 12	76.00 12	81.00 12	99.00 12	162.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1960	1560.00 6	1100.00 10	746.00 10	457.00 11	454.00 8	302.00 10	275.00 10	247.00 10	214.00 10
1961	1940.00 3	1440.00 5	1030.00 4	686.00 4	521.00 1	370.00 7	311.00 6	272.00 7	239.00 7
1962	1110.00 12	895.00 12	665.00 11	569.00 6	439.00 9	329.00 8	314.00 5	280.00 5	247.00 6
1963	1700.00 5	1580.00 3	971.00 5	549.00 8	353.00 12	223.00 12	174.00 12	149.00 12	108.00 13
1964	274.00 14	208.00 14	150.00 14	136.00 14	104.00 14	86.00 14	79.00 14	76.00 14	63.00 14
1965	1280.00 11	1020.00 11	607.00 12	427.00 12	393.00 11	325.00 9	287.00 9	271.00 8	215.00 9
1966	2510.00 1	2140.00 1	1270.00 2	774.00 2	458.00 7	293.00 11	247.00 11	208.00 11	225.00 8
1967	1900.00 4	1560.00 4	1120.00 3	698.00 3	478.00 4	400.00 2	362.00 1	311.00 3	299.00 2
1968	1990.00 2	1600.00 2	1300.00 1	868.00 1	512.00 2	416.00 1	345.00 2	335.00 2	292.00 3
1969	1430.00 10	1200.00 8	754.00 9	596.00 5	468.00 6	386.00 4	303.00 7	298.00 4	251.00 5
1970	1550.00 7	1280.00 6	854.00 7	537.00 10	499.00 3	388.00 3	300.00 8	264.00 9	202.00 11
1971	990.00 13	665.00 13	401.00 13	269.00 13	236.00 13	201.00 13	158.00 13	142.00 13	119.00 12
1972	1510.00 9	1230.00 7	807.00 8	545.00 9	470.00 5	385.00 5	318.00 4	276.00 6	254.00 4
1973	1540.00 8	1180.00 9	888.00 6	562.00 7	431.00 10	372.00 6	330.00 3	340.00 1	322.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	109.00 4
1962	225.00 12
1963	84.00 2
1964	42.00 1
1965	91.00 3
1966	141.00 7
1967	167.00 9
1968	179.00 11
1969	169.00 10
1970	146.00 8
1971	137.00 6
1972	119.00 5
1973	249.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	146.00 8
1961	151.00 7
1962	158.00 6
1963	70.00 13
1964	43.00 14
1965	126.00 11
1966	138.00 9
1967	178.00 4
1968	202.00 2
1969	162.00 5
1970	138.00 10
1971	99.00 12
1972	180.00 3
1973	228.00 1

## 03332400 BIG MONON CREEK NEAR FRANCESVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1959	*	*	*	*	*	*	*	*	*	*	*	*
1960	56.00	160.00	134.00	152.00	269.00	202.00	350.00	147.00	154.00	66.80	44.60	22.70
1961	29.40	51.50	39.90	38.00	82.00	272.00	398.00	243.00	151.00	125.00	225.00	156.00
1962	111.00	207.00	166.00	273.00	237.00	406.00	192.00	118.00	75.70	59.50	30.70	22.70
1963	38.90	34.80	37.90	33.60	18.10	336.00	92.70	80.50	74.00	40.40	22.70	19.20
1964	16.90	17.70	16.90	37.10	27.70	55.20	101.00	57.10	69.80	63.50	29.00	20.60
1965	14.10	14.70	34.50	241.00	186.00	261.00	387.00	120.00	105.00	71.30	21.70	57.20
1966	94.40	65.20	357.00	157.00	86.20	161.00	204.00	364.00	81.90	39.30	18.50	16.50
1967	16.50	151.00	422.00	113.00	213.00	359.00	394.00	263.00	110.00	43.00	27.40	23.20
1968	33.60	71.30	383.00	210.00	406.00	191.00	342.00	221.00	281.00	120.00	123.00	49.30
1969	37.70	78.10	150.00	289.00	170.00	167.00	432.00	276.00	117.00	135.00	57.00	34.00
1970	85.20	148.00	90.20	99.90	113.00	163.00	407.00	321.00	97.40	50.50	26.10	63.30
1971	74.50	102.00	83.40	44.10	203.00	184.00	89.30	51.60	139.00	56.50	59.60	118.00
1972	84.20	53.90	257.00	219.00	95.70	202.00	400.00	342.00	148.00	82.20	75.10	196.00
1973	229.00	319.00	318.00	328.00	221.00	324.00	412.00	158.00	181.00	94.90	104.00	44.40
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
26.30	47.30	39.40	42.60	85.10	166.00
FIFTIETH PERCENTILE					
47.40	74.70	142.00	155.00	178.00	202.00
SEVENTY FIFTH PERCENTILE					
87.50	153.00	328.00	249.00	225.00	327.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
169.00	109.00	80.30	48.60	25.19	22.69
FIFTIETH PERCENTILE					
369.00	190.00	114.00	65.10	37.60	34.00
SEVENTY FIFTH PERCENTILE					
402.00	287.00	152.00	101.00	82.30	63.30

## WABASH RIVER BASIN

0332500 TIPPECANOE RIVER NEAR MONTICELLO, IN

LOCATION.--Lat 40°46'48", long 86°45'36", in NW¼NE¼ sec.21, T.27 N., R.3 W., White County, Hydrologic Unit 05120106, at Norway plant of Northern Indiana Public Service Co., 2 mi north of Monticello, and at mile 32.0.

DRAINAGE AREA.--1,732 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1931 to September 1981.

REMARKS.--Discharge computed on basis of records of operation of powerplant and flow over dam.

COOPERATION.--Records of daily discharges furnished by Northern Indiana Public Service Co.,

AVERAGE DISCHARGE.--50 years, 1,508 ft<sup>3</sup>/s, 11.83 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 16,800 ft<sup>3</sup>/s June 13, 1958; minimum daily, 103 ft<sup>3</sup>/s July 27, 1934.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1932						5	10	14	14	23	34	31	20	11	14	32	33	51	19	15	9	12	10	5	1	2	1									
1933						3	8	19	16	26	20	16	16	12	34	32	22	12	9	13	27	12	5	13	11	14	9	4	3	7	2					
1934	2	6	7	20	5	14	16																													
1935									12	34	46	22	21	24	19	20	30	19	23	16	17	18	12	10	9	9	4									
1936		1	2	14	16	15	11		32	25	9	38	27	21	17	25	29	11	19	6	12	9	7	4	2	2	2	4		3	3					
1937									7	10	22	19	18	22	25	27	20	37	28	21	24	17	17	18	12	6	6	4	4	1						
1938									9	20	41	40	26	33	19	24	20	19	14	15	19	18	12	8	8	10	6	2	1	1						
1939					1	5	13	14	19	31	44	36	17	24	23	24	15	20	12	5	4	7	11	13	5	3	3	5	7	4						
1940	1	1	1	35	21	33	53	36	21	17	9	15	13	24	25	17	20	6	6	2	3	3	1	1	2											
1941	3	22	25	21	10	14	30	35	23	48	35	29	28	16	20	2	2			1	1															
1942		1	2	1	1	8	10	15	10	29	52	23	30	28	29	17	21	6	16	7	10	11	7	6	5	11	3	2	3		1					
1943												5	9	17	33	51	64	34	29	31	27	12	12	7	3	2	8	9	5		4	3				
1944		1			7	23	19	20	15	14	43	39	18	23	9	10	4	17	10	10	16	15	10	14	6	4	3	6	2	7	1					
1945			1	1	5	17	67	22	23	10	24	15	10	11	22	35	28	20	16	11	8	3	4	2	3	3	1	3								
1946		1	2	12	6	21	20	8	7	14	7	22	26	24	44	28	32	8	12	11	19	11	15	6	6	3										
1947			4	14	1	6	16	12	20	38	40	42	23	17	22	12	12	6	14	20	14	9	10	6	4	3										
1948				3	2	14	15	14	21	29	37	25	28	17	24	19	26	14	16	18	8	9	15	2	4	3	3									
1949				1	2	27	33	15	14	25	19	12	15	12	25	23	30	16	13	17	18	11	9	6	9	5	3	4	1							
1950						1	3	1	2	20	32	24	25	25	18	16	18	7	9	10	18	10	16	27	17	15	15	10	16	3	5	2				
1951									2	8	20	33	25	26	25	33	14	32	12	16	27	28	12	12	13	6	6	10	3	1		1				
1952									3	30	20	21	12	11	13	14	17	33	30	29	25	30	18	26	14	12	5	2		1						
1953				1	4	18	11	13	28	43	16	35	18	25	16	32	22	34	10	14	10	6	1	6	1	1										
1954	2	1	3	19	43	18	29	27	30	28	26	21	22	16	13	6	16	18	10	11	2	2	1			1										
1955			3	4	13	6	15	9	15	10	19	24	25	34	26	29	24	16	18	32	17	9	5	6	4	2										
1956		1		1	10	4	14	13	26	24	50	19	30	18	27	24	35	10	7	19	7	10	4	4	3	2	3	1								
1957				8	28	22	25	31	32	16	34	30	18	18	14	9	15	8	8	10	10	4	10	4	5	4	2									
1958				1	4	8	6	6	20	11	27	20	26	32	35	56	19	11	26	15	11	9	4	4	3	2	2	1	1							
1959		1	2	4	9	5	7	14	7	7	21	38	49	20	22	21	26	14	13	12	15	17	15	7	4	3	2	2	3	1	3	1				
1960						1	5	12	19	30	20	18	12	53	28	41	25	27	25	17	9	4	4	4	3	4	5	2	1	1						
1961				3	2	16	17	50	38	15	27	14	13	27	16	32	12	12	13	14	7	11	8	5	4	3	4	2								
1962		1		3	4	24	19	5	11	8	18	8	19	24	35	32	47	22	20	16	14	8	2	6	6	5	5	2	1							
1963		1		5	21	18	40	44	51	36	21	21	11	14	12	7	13	18	7	6	4	4	2	1	1		1	4		1	1					
1964		2	9	7	44	17	50	53	25	21	26	9	22	14	8	13	6	21	8	6	3	2														
1965				3	19	18	19	18	15	25	35	18	18	10	11	8	18	21	14	20	14	23	9	16	7	5	1									
1966		1	3	3	9	5	24	24	11	9	25	25	38	28	29	27	13	23	6	16	9	11	5	6	7	4	1	1	1	1						
1967		1			12	7	17	31	20	8	11	16	4	11	9	18	26	37	11	17	16	23	13	26	10	7	6	1	2	4	1					
1968					1	6		6	1	2	22	16	22	22	22	37	15	46	18	21	29	25	6	7	7	8	4	5	8	6	1	1				
1969								8	7	9	47	12	8	8	14	30	36	57	13	21	18	24	16	16	10	3	2	1	2	2						
1970						1	5	4	2	36	23	37	16	45	41	16	41	16	17	17	13	7	8	6	2	3	3	3	2							



## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	18263	100.00	12	560.0	1314	13134	71.92	24	3600.0	475	1639	8.97
1	103.0	4	18263	100.00	13	660.0	1132	11820	64.72	25	4200.0	336	1164	6.37
2	120.0	16	18259	99.98	14	760.0	1039	10688	58.52	26	4900.0	253	828	4.53
3	140.0	51	18243	99.89	15	890.0	994	9649	52.83	27	5700.0	178	575	3.15
4	160.0	98	18192	99.61	16	1000.0	1253	8655	47.39	28	6600.0	142	397	2.17
5	190.0	299	18094	99.07	17	1200.0	969	7402	40.53	29	7700.0	105	255	1.40
6	220.0	324	17795	97.44	18	1400.0	1425	6433	35.22	30	9000.0	90	150	0.82
7	260.0	535	17471	95.66	19	1700.0	673	5008	27.42	31	11000.0	21	60	0.33
8	300.0	852	16936	92.73	20	1900.0	734	4335	23.74	32	12000.0	25	39	0.21
9	350.0	786	16084	88.07	21	2200.0	773	3601	19.72	33	14000.0	14	14	0.08
10	410.0	871	15298	83.76	22	2600.0	734	2828	15.48	34	17000.0	0	0	0.00
11	480.0	1293	14427	79.00	23	3100.0	455	2094	11.47					

P95 =	269.0
P90 =	329.0
P75 =	525.0
P70 =	587.0
P50 =	947.0
P25 =	1830.0
P10 =	3390.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1933	231.00 25	244.00 20	248.00 20	264.00 18	301.00 20	411.00 28	437.00 20	496.00 23	587.00 20
1934	162.00 14	260.00 23	275.00 20	289.00 21	317.00 21	393.00 24	462.00 23	545.00 26	559.00 17
1935	103.00 1	126.00 1	132.00 1	138.00 1	163.00 2	197.00 2	260.00 6	360.00 14	488.00 14
1936	201.00 22	252.00 21	314.00 28	338.00 27	348.00 24	372.00 21	462.00 24	472.00 20	617.00 23
1937	134.00 9	160.00 4	175.00 3	184.00 3	190.00 3	243.00 8	306.00 13	368.00 15	700.00 28
1938	370.00 44	394.00 40	407.00 38	423.00 36	447.00 32	524.00 35	544.00 31	559.00 28	642.00 25
1939	330.00 39	389.00 39	438.00 41	444.00 40	471.00 35	495.00 32	566.00 33	657.00 32	725.00 29
1940	132.00 8	190.00 12	237.00 17	251.00 16	262.00 14	298.00 15	328.00 15	327.00 12	359.00 7
1941	175.00 17	190.00 13	197.00 8	202.00 7	232.00 8	235.00 4	257.00 5	289.00 5	378.00 10
1942	130.00 3	145.00 2	149.00 2	153.00 2	159.00 1	165.00 1	200.00 1	243.00 1	356.00 5
1943	365.00 42	375.00 38	386.00 36	439.00 38	632.00 46	772.00 47	894.00 47	1010.00 44	1100.00 43
1944	229.00 24	308.00 31	412.00 39	435.00 37	479.00 37	521.00 33	586.00 35	734.00 35	869.00 35
1945	153.00 10	179.00 8	219.00 13	240.00 14	255.00 13	259.00 11	281.00 10	294.00 7	315.00 3
1946	413.00 47	507.00 47	559.00 48	639.00 48	718.00 48	843.00 48	844.00 46	1020.00 47	1210.00 45
1947	153.00 11	182.00 10	185.00 7	199.00 6	214.00 6	238.00 5	261.00 7	316.00 10	414.00 11
1948	304.00 37	326.00 33	329.00 30	344.00 28	392.00 29	470.00 30	494.00 29	513.00 25	629.00 24
1949	196.00 20	225.00 19	252.00 19	275.00 19	283.00 17	292.00 14	335.00 16	383.00 16	526.00 16
1950	262.00 33	290.00 28	294.00 25	298.00 23	349.00 25	391.00 23	529.00 30	592.00 30	749.00 32
1951	382.00 45	418.00 42	472.00 45	504.00 45	563.00 44	697.00 45	719.00 42	783.00 40	1080.00 42
1952	410.00 46	425.00 43	444.00 42	477.00 43	491.00 39	559.00 39	733.00 43	1030.00 48	1340.00 47
1953	294.00 34	346.00 35	350.00 32	383.00 32	396.00 30	408.00 27	428.00 19	478.00 21	570.00 19
1954	115.00 2	166.00 6	199.00 9	221.00 10	228.00 7	240.00 6	248.00 3	255.00 4	292.00 1
1955	175.00 18	188.00 11	349.00 31	371.00 31	473.00 36	477.00 31	589.00 36	662.00 33	1000.00 38

## 03332500 TIPPECANOE RIVER NEAR MONTICELLO, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	168.00	16	219.00	18	232.00	15	243.00	15	276.00	15	346.00	18	472.00	26	580.00	29	692.00	27
1957	155.00	12	217.00	17	228.00	14	239.00	13	247.00	11	258.00	10	277.00	9	302.00	8	357.00	6
1958	239.00	29	290.00	29	295.00	26	311.00	25	382.00	28	401.00	25	493.00	27	721.00	34	1160.00	44
1959	360.00	41	406.00	41	451.00	43	459.00	42	531.00	43	693.00	44	949.00	48	1010.00	45	1290.00	46
1960	155.00	13	180.00	9	213.00	11	230.00	11	283.00	16	362.00	20	470.00	25	550.00	27	735.00	31
1961	218.00	23	254.00	22	310.00	27	320.00	26	372.00	27	408.00	26	450.00	21	450.00	19	466.00	13
1962	570.00	49	592.00	49	632.00	49	685.00	49	811.00	49	1050.00	49	1060.00	49	1240.00	49	1390.00	48
1963	131.00	4	194.00	14	217.00	12	232.00	12	249.00	12	274.00	12	293.00	11	316.00	11	330.00	4
1964	131.00	5	164.00	5	183.00	6	205.00	8	213.00	5	234.00	3	249.00	4	251.00	2	297.00	2
1965	131.00	6	167.00	7	181.00	4	189.00	4	236.00	9	240.00	7	245.00	2	251.00	3	371.00	8
1966	300.00	35	300.00	30	374.00	35	391.00	33	452.00	33	528.00	36	578.00	34	745.00	36	727.00	30
1967	131.00	7	153.00	3	181.00	5	205.00	9	244.00	10	254.00	9	267.00	8	290.00	6	504.00	15
1968	196.00	21	268.00	26	278.00	21	287.00	20	292.00	18	330.00	17	374.00	18	442.00	18	669.00	26
1969	332.00	40	434.00	45	459.00	44	485.00	44	507.00	42	535.00	37	628.00	37	821.00	41	1070.00	41
1970	303.00	36	348.00	36	405.00	37	420.00	35	466.00	34	524.00	34	662.00	38	914.00	43	939.00	36
1971	260.00	30	354.00	37	371.00	33	443.00	39	493.00	40	613.00	42	675.00	40	880.00	42	1050.00	39
1972	238.00	26	263.00	24	281.00	22	348.00	29	369.00	26	447.00	29	493.00	28	498.00	24	598.00	21
1973	368.00	43	469.00	46	480.00	46	533.00	46	650.00	47	722.00	46	809.00	45	1020.00	46	1670.00	49
1974	325.00	38	425.00	44	437.00	40	450.00	41	487.00	38	536.00	38	559.00	32	652.00	31	812.00	33
1975	238.00	27	267.00	25	288.00	23	296.00	22	326.00	22	352.00	19	366.00	17	417.00	17	560.00	18
1976	499.00	48	520.00	48	527.00	47	558.00	47	584.00	45	619.00	43	698.00	41	747.00	37	1050.00	40
1977	190.00	19	197.00	15	199.00	10	199.00	5	210.00	4	280.00	13	303.00	12	315.00	9	374.00	9
1978	260.00	31	318.00	32	322.00	29	365.00	30	503.00	41	590.00	41	669.00	39	775.00	38	1000.00	37
1979	163.00	15	213.00	16	234.00	16	259.00	17	293.00	19	299.00	16	317.00	14	346.00	13	443.00	12
1980	238.00	28	274.00	27	294.00	24	302.00	24	345.00	23	386.00	22	456.00	22	491.00	22	612.00	22
1981	260.00	32	340.00	34	371.00	34	402.00	34	415.00	31	586.00	40	798.00	44	777.00	39	813.00	34

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1932	6030.00	43	5310.00	40	4550.00	40	3310.00	44	2820.00	44	2420.00	42	2210.00	39	2040.00	40	1840.00	38
1933	11500.00	17	11000.00	8	9640.00	9	9330.00	4	6450.00	4	5730.00	2	4600.00	3	3890.00	3	3280.00	5
1934	2570.00	49	2300.00	49	2280.00	49	1960.00	49	1510.00	49	1080.00	49	887.00	49	819.00	49	738.00	49
1935	5330.00	47	5010.00	45	4430.00	43	3520.00	42	3230.00	39	2590.00	39	2540.00	36	2270.00	36	1960.00	34
1936	9510.00	28	9000.00	24	8300.00	18	5870.00	24	3990.00	30	2800.00	34	2620.00	33	2140.00	38	1680.00	41
1937	9750.00	27	8890.00	25	7500.00	24	5560.00	25	4550.00	23	3500.00	26	2900.00	29	3030.00	18	2740.00	12
1938	9100.00	30	8020.00	30	6870.00	29	5510.00	26	4420.00	26	3670.00	22	3120.00	23	2680.00	28	2490.00	18
1939	10200.00	24	9530.00	21	7990.00	21	6150.00	18	5430.00	11	4350.00	12	3930.00	8	3220.00	12	2450.00	20
1940	5480.00	46	5020.00	44	3920.00	46	2660.00	46	2040.00	47	1680.00	47	1530.00	47	1420.00	47	1130.00	47
1941	2400.00	50	1980.00	50	1530.00	50	1180.00	50	1050.00	50	887.00	50	801.00	50	752.00	50	716.00	50
1942	12200.00	11	10200.00	17	8390.00	16	6710.00	14	4990.00	16	4110.00	16	3690.00	13	3060.00	16	2350.00	25
1943	15000.00	6	14700.00	2	13400.00	2	11200.00	1	8180.00	2	5130.00	4	4410.00	4	3770.00	4	3430.00	3
1944	11700.00	15	10500.00	12	9690.00	8	8400.00	7	6290.00	5	4920.00	5	4170.00	6	3580.00	8	2540.00	16
1945	8910.00	31	8360.00	29	7050.00	27	4900.00	33	3440.00	35	3010.00	33	2580.00	35	2310.00	35	1850.00	36
1946	6580.00	38	5960.00	37	5310.00	36	3820.00	39	2990.00	43	2630.00	38	2590.00	34	2250.00	37	2060.00	32
1947	6380.00	40	5660.00	39	4760.00	39	4360.00	37	3530.00	33	3280.00	29	2890.00	31	2400.00	32	1970.00	33
1948	7610.00	35	6970.00	35	6220.00	33	4720.00	34	3250.00	38	3100.00	32	2900.00	30	2530.00	30	2070.00	30
1949	9480.00	29	8450.00	28	7380.00	25	6070.00	19	4540.00	24	4240.00	14	3510.00	15	3000.00	19	2580.00	15
1950	15400.00	5	14300.00	3	12900.00	3	10900.00	2	8570.00	1	6860.00	1	6890.00	1	6770.00	1	5270.00	1
1951	13000.00	8	9920.00	19	8250.00	19	6290.00	17	4900.00	18	4350.00	13	3810.00	11	3410.00	10	2860.00	10
1952	10400.00	23	7630.00	32	5390.00	35	4450.00	36	3990.00	31	3380.00	28	3190.00	22	3240.00	11	3000.00	8
1953	5570.00	45	4750.00	46	4020.00	45	3120.00	45	2680.00	45	2200.00	45	1920.00	44	1780.00	43	1510.00	43
1954	6440.00	39	3790.00	47	2960.00	47	2440.00	47	2370.00	46	1950.00	46	1670.00	46	1450.00	46	1160.00	46
1955	6100.00	42	5820.00	38	4850.00	37	3850.00	38	3050.00	41	2480.00	40	2160.00	40	2090.00	39	1840.00	37
1956	7840.00	34	7190.00	33	6720.00	32	5310.00	27	4240.00	28	2780.00	35	2470.00	37	2330.00	34	1800.00	40
1957	8870.00	33	6500.00	36	4790.00	38	4520.00	35	3870.00	32	2750.00	36	2420.00	38	2390.00	33	1810.00	39
1958	16800.00	1	15300.00	1	14300.00	1	9340.00	3	5990.00	7	4140.00	15	3480.00	16	2960.00	20	2210.00	27
1959	16300.00	4	12600.00	7	11700.00	5	8180.00	8	5940.00	8	4630.00	8	4290.00	5	3650.00	6	2750.00	11
1960	11000.00	21	9590.00	20	7330.00	26	4980.00	31	4710.00	21	3480.00	27	2950.00	26	2740.00	26	2420.00	23
1961	10800.00	22	9390.00	22	8100.00	20	6030.00	21	4870.00	19	3650.00	23	3110.00	24	2700.00	27	2380.00	24
1962	9990.00	25	8640.00	26	7000.00	28	6530.00	15	5010.00	15	3720.00	21	3310.00	20	2910.00	22	2440.00	21
1963	11400.00	18	9150.00	23	7820.00	23	5200.00	29	3410.00	36	2290.00	43	1790.00	45	1510.00	45	1260.00	45
1964	3400.00	48	3060.00	48	2360.00	48	2090.00	48	1810.00	48	1470.00	48	1190.00	48	1080.00	48	895.00	48
1965	5820.00	44	5240.00	41	4490.00	42	3700.00	41	3490.00	34	3160.00	30	2870.00	32	2620.00	29	2070.00	31

## 03332500 TIPPECANOE RIVER NEAR MONTICELLO, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	9830.00	26	8470.00	27	6770.00	31	5140.00	30	3320.00	37	2230.00	44	1980.00	43	1790.00	42	1870.00	35
1967	11400.00	19	10500.00	13	9620.00	10	6950.00	13	4610.00	22	3830.00	20	3480.00	17	3050.00	17	3000.00	9
1968	16700.00	2	14200.00	4	11800.00	4	8830.00	5	5510.00	10	4690.00	6	3860.00	9	3580.00	9	3090.00	7
1969	12400.00	9	10700.00	11	8650.00	15	6010.00	22	4410.00	27	3120.00	31	2930.00	27	2940.00	21	2520.00	17
1970	12100.00	12	10400.00	14	8360.00	17	6040.00	20	5160.00	13	4100.00	17	3250.00	21	2760.00	25	2160.00	28
1971	7590.00	36	5130.00	42	4070.00	44	3440.00	43	3110.00	40	2680.00	37	2120.00	41	1830.00	41	1670.00	42
1972	7500.00	37	7170.00	34	6180.00	34	4920.00	32	4170.00	29	3630.00	24	2920.00	28	2480.00	31	2160.00	29
1973	12200.00	10	9990.00	18	8730.00	14	5970.00	23	4460.00	25	4070.00	18	3570.00	14	3680.00	5	3490.00	2
1974	12100.00	13	10900.00	9	9170.00	12	7130.00	11	4750.00	20	4510.00	9	4010.00	7	3620.00	7	3250.00	6
1975	11600.00	16	10400.00	15	7910.00	22	6460.00	16	5020.00	14	3620.00	25	3060.00	25	2800.00	24	2710.00	13
1976	11800.00	14	10200.00	16	8800.00	13	7360.00	10	6140.00	6	4380.00	11	3420.00	18	2890.00	23	2420.00	22
1977	6130.00	41	5030.00	43	4520.00	41	3710.00	40	3000.00	42	2480.00	41	2080.00	42	1710.00	44	1400.00	44
1978	11200.00	20	10800.00	10	9610.00	11	7910.00	9	6750.00	3	4690.00	7	3860.00	10	3170.00	13	2640.00	14
1979	13900.00	7	12900.00	6	10700.00	7	7100.00	12	5240.00	12	4420.00	10	3750.00	12	3080.00	15	2240.00	26
1980	8880.00	32	7920.00	31	6810.00	30	5280.00	28	4970.00	17	3980.00	19	3320.00	19	3110.00	14	2470.00	19
1981	16300.00	3	13800.00	5	11200.00	6	8420.00	6	5800.00	9	5710.00	3	5220.00	2	4320.00	2	3410.00	4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1933	1270.00	15
1934	1370.00	19
1935	1050.00	11
1936	1230.00	14
1937	1540.00	30
1938	1510.00	27
1939	1770.00	35
1940	923.00	8
1941	710.00	3
1942	1100.00	13
1943	1840.00	38
1944	1920.00	40
1945	1320.00	17
1946	1870.00	39
1947	797.00	4
1948	1470.00	25
1949	1710.00	34
1950	2420.00	48
1951	2350.00	47
1952	2120.00	44
1953	1390.00	20
1954	702.00	2
1955	1440.00	22
1956	1070.00	12
1957	905.00	7
1958	1610.00	33
1959	2160.00	45
1960	1540.00	31
1961	1290.00	16
1962	2160.00	46
1963	860.00	5
1964	584.00	1
1965	995.00	10
1966	1360.00	18
1967	1590.00	32
1968	1980.00	41
1969	1810.00	37
1970	1510.00	26
1971	1780.00	36
1972	993.00	9
1973	2590.00	49
1974	2070.00	42
1975	1520.00	28
1976	2080.00	43
1977	870.00	6
1978	1530.00	29
1979	1440.00	23
1980	1450.00	24
1981	1430.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	1210.00	38
1933	1960.00	8
1934	641.00	48
1935	1300.00	34
1936	1070.00	42
1937	1960.00	9
1938	1600.00	19
1939	1480.00	28
1940	718.00	47
1941	514.00	50
1942	1550.00	26
1943	2510.00	3
1944	1560.00	24
1945	1160.00	40
1946	1410.00	29
1947	1240.00	37
1948	1340.00	32
1949	1580.00	20
1950	3140.00	1
1951	2000.00	7
1952	2050.00	6
1953	983.00	44
1954	765.00	46
1955	1390.00	30
1956	1250.00	35
1957	1100.00	41
1958	1840.00	11
1959	1750.00	15
1960	1680.00	17
1961	1490.00	27
1962	1580.00	21
1963	795.00	45
1964	583.00	49
1965	1310.00	33
1966	1180.00	39
1967	1840.00	12
1968	2150.00	4
1969	1780.00	13
1970	1580.00	22
1971	1250.00	36
1972	1560.00	23
1973	2510.00	2
1974	1930.00	10
1975	1750.00	14
1976	1550.00	25
1977	998.00	43
1978	1710.00	16
1979	1360.00	31
1980	1640.00	18
1981	2120.00	5

## WABASH RIVER BASIN

03332500 TIPPECANOE RIVER NEAR MONTICELLO, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1932	774.00	1398.0	1445.0	2286.0	2499.0	1798.0	1398.0	946.00	655.00	550.00	317.00	549.00
1933	638.00	966.00	2152.0	2130.0	1707.0	3270.0	4037.0	6265.0	837.00	579.00	451.00	439.00
1934	832.00	571.00	560.00	647.00	469.00	716.00	1423.0	504.00	303.00	180.00	489.00	1007.0
1935	549.00	834.00	826.00	1901.0	1450.0	3180.0	1692.0	2535.0	992.00	552.00	630.00	408.00
1936	350.00	975.00	805.00	854.00	1961.0	2993.0	1390.0	2005.0	624.00	246.00	298.00	406.00
1937	889.00	3171.0	1090.0	4351.0	2401.0	1684.0	3579.0	2065.0	1717.0	1409.0	709.00	566.00
1938	599.00	518.00	687.00	790.00	2656.0	2939.0	3798.0	1290.0	1642.0	2695.0	783.00	943.00
1939	489.00	503.00	700.00	960.00	3439.0	4211.0	4091.0	1185.0	976.00	715.00	451.00	287.00
1940	326.00	373.00	349.00	424.00	648.00	1302.0	1308.0	1956.0	1027.0	429.00	237.00	240.00
1941	345.00	390.00	651.00	642.00	592.00	691.00	1054.0	604.00	567.00	310.00	178.00	159.00
1942	339.00	750.00	687.00	627.00	3559.0	4590.0	2949.0	1135.0	912.00	803.00	1445.0	1003.0
1943	1292.0	2232.0	2385.0	2519.0	2282.0	3143.0	1601.0	7567.0	2403.0	1437.0	1798.0	1377.0
1944	683.00	1226.0	634.00	494.00	1070.0	2658.0	5914.0	3730.0	1415.0	422.00	264.00	258.00
1945	323.00	371.00	333.00	349.00	791.00	1670.0	2566.0	3377.0	1505.0	726.00	979.00	976.00
1946	2456.0	1176.0	1073.0	2465.0	2239.0	2944.0	1101.0	1002.0	1482.0	520.00	301.00	237.00
1947	254.00	671.00	571.00	1089.0	1226.0	1162.0	3200.0	2770.0	2369.0	646.00	405.00	622.00
1948	468.00	644.00	999.00	1159.0	1473.0	2883.0	2249.0	3107.0	1500.0	813.00	452.00	300.00
1949	285.00	520.00	936.00	4006.0	4371.0	2133.0	1432.0	1796.0	1781.0	1013.0	472.00	372.00
1950	931.00	608.00	2067.0	7787.0	5719.0	5191.0	8249.0	1917.0	2107.0	1647.0	808.00	931.00
1951	628.00	796.00	1686.0	2636.0	3842.0	3203.0	3975.0	2017.0	1204.0	2780.0	846.00	553.00
1952	1047.0	1857.0	1728.0	3513.0	3187.0	2791.0	3412.0	2529.0	2554.0	866.00	750.00	454.00
1953	398.00	469.00	650.00	943.00	1259.0	2369.0	1894.0	1351.0	1099.0	712.00	417.00	255.00
1954	235.00	264.00	274.00	385.00	566.00	986.00	2305.0	1304.0	1032.0	727.00	533.00	587.00
1955	2380.0	1091.0	914.00	2022.0	1311.0	3003.0	1894.0	1211.0	1337.0	726.00	445.00	283.00
1956	858.00	1284.0	768.00	528.00	1730.0	1821.0	1578.0	3853.0	1156.0	654.00	464.00	303.00
1957	254.00	292.00	383.00	463.00	730.00	699.00	3646.0	1807.0	1573.0	2422.0	541.00	413.00
1958	747.00	1304.0	2716.0	1634.0	945.00	1466.0	950.00	616.00	5697.0	2331.0	2170.0	1540.0
1959	922.00	1166.0	881.00	1251.0	5520.0	3227.0	3744.0	2106.0	960.00	795.00	426.00	301.00
1960	751.00	1477.0	1410.0	1849.0	2816.0	1892.0	4090.0	2161.0	1636.0	967.00	683.00	492.00
1961	429.00	523.00	455.00	425.00	780.00	2867.0	3680.0	2674.0	1419.0	1176.0	2353.0	1065.0
1962	1044.0	1557.0	1386.0	2350.0	2429.0	4835.0	1945.0	1239.0	886.00	659.00	315.00	298.00
1963	428.00	393.00	305.00	266.00	316.00	3219.0	1163.0	860.00	695.00	1063.0	497.00	265.00
1964	217.00	282.00	256.00	390.00	383.00	920.00	1782.0	843.00	595.00	817.00	278.00	244.00
1965	238.00	260.00	385.00	1728.0	2006.0	2831.0	3483.0	1613.0	824.00	640.00	466.00	1276.0
1966	664.00	664.00	2193.0	1863.0	1123.0	1495.0	1525.0	2847.0	812.00	420.00	278.00	254.00
1967	273.00	1109.0	4460.0	1326.0	2289.0	3505.0	3659.0	2677.0	1386.0	657.00	392.00	312.00
1968	477.00	833.00	4337.0	2418.0	4771.0	1969.0	2939.0	2054.0	2323.0	1844.0	1321.0	597.00
1969	504.00	1029.0	1662.0	2935.0	2967.0	1685.0	3340.0	2425.0	1570.0	2123.0	786.00	482.00
1970	784.00	1692.0	1112.0	843.00	1260.0	1721.0	4444.0	3451.0	1187.0	713.00	557.00	1259.0
1971	1143.0	1535.0	1309.0	694.00	2965.0	2313.0	1160.0	868.00	1472.0	658.00	391.00	598.00
1972	536.00	476.00	1738.0	1517.0	901.00	1591.0	4105.0	2984.0	1124.0	690.00	820.00	2231.0
1973	2395.0	3472.0	3265.0	3800.0	2380.0	3848.0	4136.0	1816.0	2431.0	1017.0	1075.0	495.00
1974	582.00	661.00	1776.0	4043.0	3123.0	3824.0	2661.0	3514.0	1611.0	671.00	391.00	379.00
1975	338.00	710.00	912.00	2271.0	2788.0	2108.0	1838.0	2292.0	4982.0	1219.0	895.00	848.00
1976	586.00	737.00	2234.0	1047.0	4750.0	3660.0	1666.0	1202.0	1043.0	716.00	501.00	548.00
1977	387.00	212.00	354.00	355.00	806.00	2641.0	2088.0	1134.0	541.00	671.00	1010.0	1785.0
1978	1227.0	853.00	2711.0	1081.0	761.00	4446.0	4255.0	2502.0	1226.0	668.00	390.00	294.00
1979	316.00	396.00	607.00	670.00	768.00	5136.0	3617.0	2194.0	958.00	582.00	670.00	359.00
1980	417.00	882.00	1534.0	1233.0	1295.0	3705.0	4012.0	1239.0	2963.0	537.00	660.00	1228.0
1981	705.00	648.00	1119.0	719.00	2103.0	1356.0	3661.0	5607.0	5748.0	1930.0	969.00	942.00

03332500 TIPPECANOE RIVER NEAR MONTICELLO, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
344.00	496.00	627.00	646.00	877.00	1681.00
FIFTIETH PERCENTILE					
566.00	744.00	968.00	1196.00	1846.00	2725.00
SEVENTY FIFTH PERCENTILE					
839.00	1189.00	1731.00	2302.00	2853.00	3238.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1595.00	1209.00	947.00	626.00	392.00	300.00
FIFTIETH PERCENTILE					
2800.00	2011.00	1282.00	716.00	499.00	487.00
SEVENTY FIFTH PERCENTILE					
3758.00	2700.00	1661.00	1091.00	811.00	942.00

## WABASH RIVER BASIN

03333000 TIPPECANOE RIVER NEAR DELPHI, IN

LOCATION.--Lat 40°37'02", long 86°45'39", in NW¼NE¼ sec.16, T.25 N., R.3 W., Carroll County, Hydrologic Unit 05120106, on right bank 2 mi northeast of Springboro, 1.7 mi downstream from Big Creek, 5 mi northwest of Delphi, and at mile 15.1.

DRAINAGE AREA.--1,865 mi<sup>2</sup>.

PERIOD OF RECORD.--March to December 1903, March to December 1904, March 1905 to July 1906, November and December 1908, July 1939 to September 1985. Published as "at Springboro" 1903-08.

GAGE.--Water-stage recorder. Datum of gage is 552.01 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Mar. 14, 1903, to July 20, 1906, and Nov. 2 to Dec. 31, 1908, nonrecording gage at site 5.5 mi downstream at different datum.

REMARKS.--Flow regulated by upstream reservoirs.

AVERAGE DISCHARGE.--46 years (water years 1940 to 1985), 1,677 ft<sup>3</sup>/s, 12.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft<sup>3</sup>/s Feb. 10, 1959, gage height, 15.10 ft; minimum daily, 1.0 ft<sup>3</sup>/s Nov. 2, 3, 1954, caused by repair work at Oakdale Dam, 6.5 mi upstream.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1940																				79	55	82	15	28	54	27	14	5	4	3						
1941																		5	2	52	45	20	95	51	60	28	5	1	1							
1942																	2		6	16	19	31	66	57	43	41	19	15	22	10	13	4	1			
1943																						1	8	21	50	94	66	57	28	10	16	7	6	1		
1944																			2	34	37	48	66	38	14	20	17	35	26	12	7	9	1			
1945																				29	54	55	36	21	31	61	41	17	8	6	4	2				
1946																				28	27	22	19	41	55	72	27	29	31	11	3					
1947																		7		15	25	38	78	57	30	27	19	33	19	12	5					
1948																				12	22	52	58	51	33	46	30	24	24	8	6					
1949																				8	58	25	46	22	31	51	39	35	21	12	12	5				
1950																				1	5	8	46	41	42	38	16	26	45	36	30	22	8	1		
1951																						11	40	50	59	51	36	55	31	13	14	4	1			
1952																					2	33	35	26	24	42	67	62	44	23	7		1			
1953																				25	33	52	53	43	45	57	31	17	7	2						
1954																			3	49	54	67	50	39	27	26	31	16	2		1					
1955		2													1		4			17	15	32	34	59	47	42	39	46	23	4						
1956																				1	18	27	38	59	45	42	55	25	29	16	6	5				
1957																				9	36	50	56	51	36	32	22	22	18	17	10	4	2			
1958																				5	10	15	28	41	56	85	47	36	22	6	6	2	1	4	1	
1959																		1	9	13	17	15	42	76	35	43	30	30	31	9	3	6	4	1		
1960																				1	1	20	52	33	48	78	59	42	15	5	8	4				
1961																				1	7	51	54	38	30	39	45	30	28	21	10	8	3			
1962																				9	22	24	25	39	53	78	50	30	12	11	9	3				
1963																				6	34	68	99	39	36	15	31	16	10	3	1	3	3	1		
1964																				12	65	64	83	43	27	24	20	21	5	2						
1965																				43	24	41	39	41	32	33	33	42	26	9	2					
1966															5	4	1	3	9	11	21	41	46	60	50	45	25	20	11	10	1	2				
1967																				5	37	25	34	20	23	28	56	33	36	39	17	5	6	1		
1968																				6	6	16	30	41	43	63	52	51	13	18	12	10	4	1		
1969																				2	34	45	12	44	84	44	48	30	13	5	2	2				
1970																			1		16	21	37	52	73	59	45	25	17	7	5	5	2			
1971																				5	18	40	46	48	68	61	36	23	14	5	1					
1972																					42	46	54	56	56	35	32	28	13	4						
1973																					19	16	23	20	45	65	81	58	24	6	7	1				
1974																				3	27	48	49	24	17	44	43	39	30	21	15	3	2			
1975																			1	4	22	9	28	66	39	58	48	49	20	9	9	1	2			
1976																				6	12	21	59	70	47	49	36	21	19	13	9	2	2			
1977																		31	14	3	29	86	48	28	17	33	21	33	14	7	1					
1978																				7	20	31	21	70	63	39	32	28	15	22	12	3	2			
1979																				9	44	73	62	49	27	13	18	30	22	9	3	2	4			
1980																				1	10	48	47	40	47	74	27	16	24	22	8	2				
1981																					7	54	82	55	40	28	37	23	12	9	13	4	1			
1982																				3	11	31	22	31	75	68	32	20	22	23	9	8	8	2		
1983																				10	41	37	14	15	33	77	43	35	28	19	9	2	2			
1984																			1	9	35	31	41	38	39	53	36	27	25	15	11	4	1			
1985																				6	13	58	36	28	57	48	35	20	17	15	16	8	4	4		

## 03333000 TIPPECANOE RIVER NEAR DELPHI, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	16802	100.00	12	27.0	0	16800	99.99	24	990.0	1887	9161	54.52
1	1.0	2	16802	100.00	13	37.0	0	16800	99.99	25	1300.0	2255	7274	43.29
2	1.4	0	16800	99.99	14	49.0	6	16800	99.99	26	1800.0	1560	5019	29.87
3	1.8	0	16800	99.99	15	67.0	4	16794	99.95	27	2400.0	1414	3459	20.59
4	2.5	0	16800	99.99	16	90.0	12	16790	99.93	28	3300.0	969	2045	12.17
5	3.3	0	16800	99.99	17	120.0	37	16778	99.86	29	4500.0	523	1076	6.40
6	4.5	0	16800	99.99	18	160.0	139	16741	99.64	30	6000.0	316	553	3.29
7	6.1	0	16800	99.99	19	220.0	709	16602	98.81	31	8100.0	156	237	1.41
8	8.2	0	16800	99.99	20	300.0	1112	15893	94.59	32	11000.0	65	81	0.48
9	11.0	0	16800	99.99	21	400.0	1824	14781	87.97	33	15000.0	14	16	0.10
10	15.0	0	16800	99.99	22	550.0	1884	12957	77.12	34	20000.0	2	2	0.01
11	20.0	0	16800	99.99	23	740.0	1912	11073	65.90					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 292.0  
 P90 = 369.0  
 P75 = 586.0  
 P70 = 671.0  
 P50 = 1110.0  
 P25 = 2120.0  
 P10 = 3750.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1906	398.00 39	400.00 35	425.00 35	462.00 35	547.00 35	769.00 40	799.00 36	972.00 38	1140.00 34
1941	205.00 14	208.00 10	216.00 6	227.00 5	258.00 6	269.00 3	288.00 3	323.00 5	410.00 7
1942	94.00 3	95.00 3	101.00 3	130.00 3	170.00 2	192.00 1	224.00 1	257.00 1	377.00 3
1943	267.00 29	322.00 28	355.00 28	415.00 28	633.00 40	830.00 42	952.00 43	1050.00 39	1140.00 35
1944	270.00 30	395.00 33	424.00 33	445.00 31	487.00 30	537.00 29	593.00 27	757.00 28	904.00 28
1945	197.00 12	208.00 11	246.00 12	271.00 11	286.00 9	296.00 7	316.00 8	329.00 6	349.00 1
1946	345.00 35	430.00 38	500.00 39	633.00 42	809.00 44	914.00 44	948.00 42	1140.00 43	1380.00 42
1947	208.00 15	218.00 13	221.00 8	236.00 8	254.00 4	286.00 6	312.00 7	375.00 10	470.00 10
1948	301.00 32	335.00 30	352.00 26	365.00 25	410.00 26	488.00 25	514.00 20	540.00 18	667.00 18
1949	233.00 23	248.00 17	293.00 18	312.00 19	312.00 14	334.00 13	381.00 14	437.00 14	593.00 13
1950	257.00 27	308.00 26	321.00 23	326.00 22	378.00 21	441.00 20	588.00 26	676.00 24	864.00 25
1951	360.00 38	465.00 42	525.00 42	606.00 41	677.00 41	818.00 41	827.00 37	890.00 33	1210.00 38
1952	351.00 36	400.00 34	425.00 34	476.00 36	509.00 32	645.00 36	860.00 40	1170.00 44	1510.00 45
1953	288.00 31	345.00 31	369.00 31	424.00 29	448.00 28	462.00 23	494.00 19	550.00 19	652.00 16
1954	210.00 16	223.00 14	237.00 11	246.00 9	256.00 5	277.00 5	290.00 4	309.00 3	349.00 2
1955	1.00 1	17.00 1	65.00 1	450.00 32	517.00 33	530.00 28	651.00 30	773.00 29	1000.00 29
1956	242.00 24	253.00 18	288.00 17	292.00 16	341.00 17	444.00 22	601.00 28	737.00 27	805.00 23
1957	176.00 8	212.00 12	224.00 9	230.00 6	246.00 3	271.00 4	294.00 5	329.00 7	386.00 4
1958	244.00 25	278.00 21	304.00 20	308.00 17	381.00 22	433.00 19	552.00 24	822.00 31	1330.00 41
1959	427.00 40	454.00 41	503.00 40	510.00 38	572.00 37	765.00 39	1020.00 44	1090.00 41	1390.00 43
1960	143.00 5	193.00 5	218.00 7	226.00 4	280.00 8	364.00 15	478.00 18	567.00 22	770.00 22
1961	216.00 18	240.00 16	304.00 21	321.00 21	366.00 19	405.00 18	456.00 17	455.00 15	482.00 11
1962	506.00 45	580.00 44	666.00 45	740.00 45	889.00 45	1100.00 46	1110.00 46	1310.00 46	1450.00 44
1963	160.00 6	207.00 9	247.00 13	259.00 10	278.00 7	316.00 9	338.00 9	366.00 9	394.00 6
1964	188.00 9	257.00 19	262.00 14	289.00 14	305.00 11	324.00 12	343.00 10	343.00 8	390.00 5
1965	172.00 7	203.00 8	215.00 5	235.00 7	289.00 10	299.00 8	302.00 6	308.00 2	442.00 8
1966	60.00 2	60.00 2	65.00 2	93.00 1	375.00 20	577.00 31	710.00 31	799.00 30	812.00 24
1967	194.00 11	194.00 6	234.00 10	272.00 12	311.00 13	322.00 10	347.00 11	392.00 11	606.00 15
1968	193.00 10	196.00 7	283.00 16	292.00 15	309.00 12	363.00 14	407.00 16	474.00 17	699.00 21
1969	453.00 43	453.00 40	503.00 41	553.00 40	593.00 39	618.00 32	726.00 32	927.00 36	1230.00 39
1970	352.00 37	425.00 37	488.00 38	514.00 39	575.00 38	643.00 34	788.00 35	1060.00 40	1070.00 32
1971	220.00 19	311.00 27	363.00 30	452.00 33	504.00 31	645.00 35	729.00 33	947.00 37	1120.00 33
1972	225.00 20	295.00 24	340.00 24	375.00 27	392.00 23	496.00 26	550.00 23	556.00 20	663.00 17
1973	446.00 42	561.00 43	570.00 43	637.00 43	757.00 43	841.00 43	941.00 41	1170.00 45	1710.00 46
1974	427.00 41	436.00 39	465.00 37	488.00 37	528.00 34	574.00 30	603.00 29	718.00 26	896.00 27
1975	205.00 13	279.00 22	300.00 19	311.00 18	329.00 16	376.00 17	399.00 15	464.00 16	600.00 14

## 03333000 TIPPECANOE RIVER NEAR DELPHI, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1976	491.00	44	618.00	45	630.00	44	674.00	44	707.00	42	734.00	38	836.00	38	891.00	34	1200.00	36
1977	130.00	4	130.00	4	130.00	4	130.00	2	133.00	1	218.00	2	276.00	2	318.00	4	447.00	9
1978	322.00	33	367.00	32	385.00	32	430.00	30	550.00	36	637.00	33	741.00	34	898.00	35	1210.00	37
1979	253.00	26	286.00	23	309.00	22	318.00	20	355.00	18	366.00	16	379.00	13	413.00	12	507.00	12
1980	261.00	28	326.00	29	343.00	25	354.00	23	397.00	24	443.00	21	519.00	21	563.00	21	697.00	20
1981	331.00	34	414.00	36	438.00	36	461.00	34	485.00	29	666.00	37	859.00	39	852.00	32	891.00	26
1982	592.00	46	651.00	46	704.00	46	774.00	46	983.00	46	1040.00	45	1070.00	45	1110.00	42	1240.00	40
1983	230.00	22	306.00	25	362.00	29	373.00	26	406.00	25	483.00	24	539.00	22	629.00	23	1020.00	30
1984	225.00	21	227.00	15	271.00	15	286.00	13	313.00	15	324.00	11	374.00	12	425.00	13	682.00	19
1985	215.00	17	271.00	20	355.00	27	364.00	24	415.00	27	523.00	27	586.00	25	701.00	25	1020.00	31

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	5900.00 42	5170.00 41	4060.00 42	2750.00 43	2120.00 44	1750.00 44	1600.00 44	1500.00 44	1200.00 44
1941	2640.00 46	2140.00 46	1650.00 46	1260.00 46	1110.00 46	937.00 46	846.00 46	794.00 46	750.00 46
1942	12400.00 19	10200.00 21	8310.00 22	6730.00 16	5080.00 17	4240.00 19	3820.00 14	3170.00 19	2440.00 25
1943	16300.00 6	15200.00 3	13500.00 4	11200.00 3	8200.00 4	5230.00 5	4470.00 5	3860.00 6	3530.00 5
1944	12200.00 20	10900.00 17	9750.00 10	8420.00 8	6410.00 6	5070.00 6	4340.00 7	3770.00 10	2680.00 19
1945	8650.00 32	8350.00 29	7020.00 29	4970.00 32	3560.00 35	3180.00 33	2740.00 34	2460.00 36	1990.00 35
1946	7740.00 34	6740.00 35	5930.00 34	4230.00 37	3260.00 40	2890.00 35	2840.00 33	2490.00 34	2300.00 29
1947	7120.00 37	6240.00 37	5100.00 37	4810.00 33	3910.00 32	3640.00 28	3200.00 26	2650.00 32	2170.00 33
1948	6800.00 38	6590.00 36	6080.00 33	4770.00 34	3500.00 36	3300.00 31	3090.00 29	2710.00 30	2220.00 32
1949	10600.00 26	8960.00 27	7690.00 24	6360.00 21	4870.00 21	4590.00 12	3830.00 13	3300.00 15	2890.00 14
1950	15000.00 8	13800.00 8	12200.00 5	10300.00 4	8230.00 3	6860.00 2	6740.00 1	6660.00 1	5290.00 1
1951	13700.00 14	10100.00 22	8330.00 20	6340.00 23	4940.00 19	4390.00 17	3880.00 12	3510.00 12	2980.00 12
1952	11400.00 24	8230.00 31	5720.00 35	4600.00 35	4120.00 30	3520.00 29	3370.00 24	3410.00 13	3210.00 9
1953	5240.00 44	4590.00 43	3940.00 43	3180.00 42	2780.00 42	2330.00 42	2050.00 41	1930.00 39	1670.00 40
1954	6500.00 39	4130.00 44	3270.00 44	2600.00 44	2530.00 43	2070.00 43	1810.00 43	1580.00 43	1280.00 43
1955	5360.00 43	4660.00 42	4220.00 40	3510.00 41	2960.00 41	2540.00 40	2260.00 39	2170.00 37	1940.00 37
1956	7740.00 35	6970.00 34	6420.00 31	5110.00 28	4190.00 29	2860.00 36	2600.00 36	2490.00 35	1930.00 38
1957	10100.00 30	7390.00 33	5390.00 36	4510.00 36	3930.00 31	2910.00 34	2640.00 35	2670.00 31	2020.00 34
1958	21000.00 1	18100.00 1	15600.00 1	10000.00 5	6380.00 7	4440.00 15	3730.00 16	3170.00 20	2380.00 26
1959	20000.00 2	13900.00 7	12100.00 6	8280.00 9	6020.00 9	4740.00 9	4470.00 6	3820.00 8	2890.00 13
1960	10600.00 27	9540.00 24	7270.00 28	5070.00 29	4840.00 22	3650.00 27	3120.00 28	2910.00 27	2600.00 21
1961	9800.00 31	8870.00 28	7640.00 25	5850.00 26	4830.00 23	3730.00 25	3230.00 25	2830.00 28	2470.00 24
1962	10600.00 28	9410.00 25	7340.00 27	6620.00 17	5110.00 16	3830.00 23	3450.00 23	3060.00 23	2590.00 22
1963	13300.00 16	10800.00 18	8930.00 17	5880.00 25	3860.00 33	2600.00 39	2040.00 42	1730.00 42	1470.00 42
1964	3890.00 45	3410.00 45	2670.00 45	2370.00 45	2030.00 45	1650.00 45	1350.00 45	1230.00 45	1020.00 45
1965	6120.00 40	5710.00 38	4800.00 38	3930.00 39	3740.00 34	3340.00 30	3040.00 31	2790.00 29	2230.00 31
1966	10200.00 29	8300.00 30	6600.00 30	5050.00 31	3340.00 37	2360.00 41	2090.00 40	1910.00 40	1980.00 36
1967	11700.00 23	10600.00 19	9440.00 13	6900.00 14	4620.00 26	3950.00 21	3610.00 19	3180.00 18	3100.00 10
1968	17900.00 5	14700.00 4	12100.00 7	9290.00 6	5950.00 10	4930.00 7	4150.00 9	3840.00 7	3320.00 8
1969	13800.00 13	11800.00 10	9280.00 14	6360.00 22	4640.00 25	3290.00 32	3070.00 30	3080.00 22	2720.00 18
1970	14000.00 11	11400.00 12	8980.00 16	6380.00 20	5580.00 12	4390.00 16	3500.00 21	2970.00 25	2340.00 28
1971	8040.00 33	5550.00 39	4200.00 41	3580.00 40	3300.00 38	2850.00 37	2280.00 38	1970.00 38	1770.00 39
1972	7730.00 36	7480.00 32	6380.00 32	5070.00 30	4290.00 28	3730.00 24	3020.00 32	2600.00 33	2290.00 30
1973	14000.00 12	11300.00 15	9500.00 12	6390.00 18	4750.00 24	4260.00 18	3770.00 15	3880.00 5	3650.00 3
1974	13300.00 17	11400.00 13	9110.00 15	7150.00 13	4870.00 20	4610.00 11	4180.00 8	3790.00 9	3420.00 7
1975	13500.00 15	11300.00 14	8330.00 21	6730.00 15	5130.00 15	3680.00 26	3150.00 27	2930.00 26	2850.00 15
1976	11900.00 21	10500.00 20	8890.00 18	7460.00 11	6190.00 8	4510.00 14	3560.00 20	3030.00 24	2560.00 23
1977	6000.00 41	5240.00 40	4680.00 39	3960.00 38	3270.00 39	2710.00 38	2290.00 37	1880.00 41	1560.00 41
1978	11800.00 22	11100.00 16	9640.00 11	7980.00 10	6710.00 5	4740.00 8	3960.00 10	3320.00 14	2780.00 17
1979	14900.00 9	13500.00 9	10800.00 9	7330.00 12	5350.00 14	4550.00 13	3900.00 11	3220.00 17	2360.00 27
1980	10800.00 25	9270.00 26	7470.00 26	5390.00 27	5060.00 18	4120.00 20	3490.00 22	3280.00 16	2610.00 20
1981	18400.00 4	14500.00 5	11400.00 8	8500.00 7	5940.00 11	5620.00 4	5140.00 3	4270.00 4	3430.00 6
1982	15300.00 7	14500.00 6	13800.00 3	11900.00 1	8810.00 1	6940.00 1	5450.00 2	4720.00 2	3700.00 2
1983	14300.00 10	11600.00 11	8870.00 19	6380.00 19	5420.00 13	4640.00 10	3650.00 18	3150.00 21	2990.00 11
1984	13000.00 18	10100.00 23	7710.00 23	6020.00 24	4550.00 27	3910.00 22	3690.00 17	3600.00 11	2830.00 16
1985	19600.00 3	17700.00 2	15200.00 2	11700.00 2	8290.00 2	6740.00 3	5010.00 4	4500.00 3	3580.00 4



## 03333000 TIPPECANOE RIVER NEAR DELPHI, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1906	2430.00	42
1941	755.00	2
1942	1140.00	10
1943	1910.00	30
1944	1990.00	33
1945	1400.00	13
1946	2060.00	34
1947	899.00	4
1948	1600.00	20
1949	1860.00	28
1950	2550.00	44
1951	2460.00	43
1952	2280.00	39
1953	1520.00	16
1954	804.00	3
1955	1490.00	15
1956	1220.00	11
1957	956.00	5
1958	1780.00	27
1959	2290.00	40
1960	1650.00	22
1961	1380.00	12
1962	2250.00	38
1963	993.00	7
1964	707.00	1
1965	1100.00	9
1966	1480.00	14
1967	1690.00	24
1968	2100.00	35
1969	1970.00	32
1970	1680.00	23
1971	1910.00	29
1972	1090.00	8
1973	2700.00	45
1974	2200.00	36
1975	1640.00	21
1976	2200.00	37
1977	984.00	6
1978	1720.00	25
1979	1540.00	17
1980	1560.00	19
1981	1540.00	18
1982	3060.00	46
1983	1770.00	26
1984	1920.00	31
1985	2380.00	41

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	768.00	44
1941	548.00	46
1942	1610.00	27
1943	2590.00	3
1944	1640.00	26
1945	1260.00	37
1946	1590.00	28
1947	1370.00	34
1948	1440.00	33
1949	1770.00	20
1950	3220.00	1
1951	2150.00	9
1952	2220.00	6
1953	1100.00	41
1954	868.00	43
1955	1450.00	32
1956	1350.00	35
1957	1230.00	39
1958	2000.00	11
1959	1840.00	17
1960	1800.00	19
1961	1540.00	29
1962	1710.00	23
1963	933.00	42
1964	685.00	45
1965	1450.00	30
1966	1260.00	38
1967	1910.00	14
1968	2320.00	4
1969	1960.00	12
1970	1720.00	22
1971	1330.00	36
1972	1670.00	25
1973	2630.00	2
1974	2060.00	10
1975	1860.00	15
1976	1700.00	24
1977	1130.00	40
1978	1860.00	16
1979	1450.00	31
1980	1750.00	21
1981	2180.00	7
1982	2310.00	5
1983	1950.00	13
1984	1810.00	18
1985	2170.00	8

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1903	*	*	*	*	*	*	4516.0	1197.0	1113.0	2194.0	710.00	962.00
1904	*	*	*	*	*	*	7210.0	2492.0	1199.0	1247.0	534.00	601.00
1905	*	*	*	*	*	*	3709.0	7507.0	2331.0	1197.0	847.00	883.00
1906	1031.0	1301.0	1799.0	3101.0	1930.0	3397.0	*	*	*	*	*	*
1940	360.00	398.00	378.00	466.00	685.00	1358.0	1359.0	2042.0	1164.0	456.00	273.00	272.00
1941	383.00	422.00	670.00	664.00	625.00	723.00	1109.0	638.00	610.00	336.00	223.00	179.00
1942	310.00	753.00	723.00	655.00	3719.0	4673.0	3083.0	1198.0	1027.0	792.00	1550.0	980.00
1943	1292.0	2387.0	2423.0	2644.0	2440.0	3171.0	1736.0	7587.0	2555.0	1496.0	1821.0	1451.0
1944	715.00	1284.0	629.00	501.00	1146.0	2871.0	5998.0	3961.0	1605.0	481.00	307.00	286.00
1945	357.00	394.00	367.00	383.00	860.00	1824.0	2771.0	3488.0	1625.0	830.00	1045.0	1197.0
1946	2818.0	1334.0	1226.0	2716.0	2464.0	3218.0	1289.0	1221.0	1628.0	597.00	361.00	292.00
1947	297.00	703.00	643.00	1219.0	1354.0	1245.0	3496.0	3095.0	2645.0	699.00	427.00	625.00
1948	514.00	683.00	1065.0	1258.0	1579.0	3137.0	2449.0	3197.0	1679.0	866.00	489.00	352.00
1949	316.00	601.00	1118.0	4422.0	4659.0	2354.0	1645.0	2162.0	2080.0	1143.0	539.00	414.00
1950	1076.0	693.00	2312.0	7805.0	5606.0	5200.0	7936.0	2106.0	2419.0	1823.0	851.00	1071.0
1951	754.00	917.00	1856.0	2819.0	3931.0	3284.0	4001.0	2163.0	1397.0	3089.0	1077.0	658.00
1952	1103.0	2062.0	1914.0	3646.0	3342.0	2995.0	3629.0	2786.0	2820.0	1005.0	862.00	534.00
1953	449.00	538.00	741.00	1078.0	1389.0	2478.0	2045.0	1541.0	1228.0	941.00	474.00	295.00
1954	268.00	329.00	357.00	456.00	645.00	1073.0	2378.0	1519.0	1199.0	792.00	575.00	844.00
1955	2398.0	713.00	938.00	2135.0	1374.0	2927.0	2113.0	1383.0	1473.0	904.00	589.00	353.00

## WABASH RIVER BASIN

03333000 TIPPECANOE RIVER NEAR DELPHI, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1956	1080.0	1448.0	827.00	571.00	1936.0	2058.0	1737.0	3874.0	1239.0	720.00	490.00	291.00
1957	268.00	334.00	438.00	518.00	791.00	748.00	3699.0	2059.0	1876.0	2935.0	632.00	439.00
1958	836.00	1458.0	2885.0	1806.0	1061.0	1605.0	1070.0	666.00	6064.0	2521.0	2325.0	1638.0
1959	1010.0	1296.0	920.00	1331.0	5581.0	3369.0	4054.0	2247.0	1009.0	819.00	423.00	308.00
1960	793.00	1591.0	1485.0	2034.0	2990.0	2106.0	4207.0	2367.0	1833.0	1031.0	800.00	519.00
1961	424.00	546.00	473.00	412.00	856.00	3069.0	3685.0	2798.0	1551.0	1205.0	2323.0	1119.0
1962	1087.0	1665.0	1545.0	2533.0	2589.0	4915.0	2076.0	1382.0	974.00	954.00	456.00	379.00
1963	512.00	458.00	358.00	307.00	358.00	3634.0	1353.0	997.00	804.00	1277.0	663.00	397.00
1964	307.00	366.00	360.00	470.00	445.00	1033.0	1996.0	977.00	684.00	947.00	329.00	308.00
1965	294.00	323.00	446.00	1851.0	2140.0	2937.0	3740.0	1827.0	995.00	840.00	642.00	1399.0
1966	515.00	704.00	2220.0	1989.0	1252.0	1608.0	1635.0	2963.0	954.00	540.00	420.00	329.00
1967	323.00	1193.0	4466.0	1406.0	2446.0	3606.0	3725.0	2871.0	1420.0	676.00	459.00	330.00
1968	491.00	856.00	4567.0	2645.0	5191.0	2102.0	3074.0	2299.0	2411.0	1981.0	1603.0	683.00
1969	596.00	1146.0	1836.0	3237.0	3052.0	1804.0	3431.0	2580.0	1809.0	2565.0	947.00	607.00
1970	884.00	1850.0	1258.0	937.00	1365.0	1872.0	4685.0	3802.0	1367.0	782.00	572.00	1348.0
1971	1173.0	1540.0	1422.0	778.00	3136.0	2468.0	1301.0	951.00	1594.0	675.00	442.00	674.00
1972	610.00	519.00	1892.0	1684.0	1006.0	1716.0	4257.0	3031.0	1287.0	784.00	992.00	2236.0
1973	2251.0	3436.0	3545.0	3944.0	2544.0	4069.0	4292.0	1988.0	2630.0	1112.0	1212.0	541.00
1974	613.00	734.00	1957.0	4177.0	3311.0	3935.0	2929.0	3596.0	1841.0	788.00	454.00	425.00
1975	336.00	716.00	912.00	2407.0	2998.0	2345.0	2008.0	2297.0	5102.0	1281.0	1054.0	1038.0
1976	711.00	836.00	2397.0	1200.0	4841.0	3799.0	1849.0	1359.0	1212.0	833.00	550.00	934.00
1977	480.00	210.00	243.00	398.00	895.00	2849.0	2316.0	1282.0	597.00	711.00	1263.0	2282.0
1978	1489.0	991.00	3005.0	1196.0	879.00	4536.0	4184.0	2749.0	1498.0	870.00	489.00	361.00
1979	372.00	447.00	708.00	686.00	812.00	5256.0	3753.0	2372.0	1073.0	675.00	771.00	413.00
1980	477.00	976.00	1676.0	1343.0	1369.0	3819.0	4128.0	1405.0	3199.0	597.00	753.00	1322.0
1981	762.00	666.00	1258.0	818.00	2239.0	1486.0	3654.0	5654.0	5501.0	1988.0	1098.0	1091.0
1982	1107.0	1201.0	1152.0	2033.0	3996.0	8314.0	3963.0	1979.0	2088.0	954.00	529.00	492.00
1983	602.00	1820.0	3572.0	1793.0	1767.0	1738.0	4656.0	4321.0	1321.0	1043.0	418.00	318.00
1984	462.00	639.00	1852.0	974.00	3254.0	3824.0	3137.0	3461.0	2200.0	877.00	553.00	604.00
1985	825.00	1828.0	1842.0	2966.0	4422.0	6015.0	4495.0	1294.0	963.00	499.00	644.00	429.00

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

372.00

538.00

670.00

664.00

1006.00

1804.00

## FIFTIETH PERCENTILE

602.00

753.00

1258.00

1343.00

1936.00

2927.00

## SEVENTY FIFTH PERCENTILE

1031.00

1334.00

1914.00

2644.00

3254.00

3799.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

2002.00

1383.00

1139.00

716.00

458.00

353.00

## FIFTIETH PERCENTILE

3431.00

2247.00

1498.00

877.00

589.00

541.00

## SEVENTY FIFTH PERCENTILE

4091.00

3063.00

2144.00

1226.00

970.00

1009.00

## 03333450 WILDCAT CREEK NEAR JEROME, IN

LOCATION.--Lat 40°26'29", long 85°55'08", in NE¼SE¼ sec.14, T.23 N., R.5 E., Howard County, Hydrologic Unit 05120107, on right bank at downstream side of bridge on County Road 1100 East, 0.5 mi downstream from Mud Creek, 1.5 mi southeast of Jerome, and at mile 79.9.

DRAINAGE AREA.--146 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1961 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 820.04 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years, 131 ft<sup>3</sup>/s, 12.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,140 ft<sup>3</sup>/s June 3, 1980, gage height, 13.34 ft; minimum daily, 0.89 ft<sup>3</sup>/s Jan. 24-26, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 18 ft, from information by local residents.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1962							9	13	11	12	7	6	17	31	39	28	32	28	24	24	21	16	9	4	10	7	5	2	1	6		1	2			
1963					5	21	10	6	18	26	35	34	32	41	28	13	19	13	6	11	7	6	5	7	5	9	4	1		1	1		1			
1964				1	56	29	43	8	8	13	23	28	19	14	12	8	10	8	7	9	8	13	7	9	5	5	11	2	3	3		2	1	1		
1965				10	20	20	20	23	46	22	18	17	15	6	12	11	9	9	14	20	13	17	10	5	6	10	8	2	1	1						
1966				2	18	8	6	6	19	10	7	7	3	14	31	59	33	27	38	28	25	7	8	4		2	3									
1967	3	3	16	24	24	18	18	7	13	8	10	17	19	17	15	23	15	14	14	12	12	9	13	10	7	7	6	6	2	2	1					
1968			6	3	5	17	22	32	22	19	5	5	17	30	25	16	16	16	20	8	19	17	11	10	8	5	3	2	3	2			2			
1969								1	28	20	24	11	10	15	26	24	27	29	30	41	14	22	12	10	5	4	4	3	1	1	1	1	1	1		
1970											6	13	18	24	34	26	30	40	32	31	21	30	17	10	11	7	5	5	1	3	1					
1971								16	6	8	12	14	33	35	32	31	38	36	27	17	9	17	10	5	5	4	6	1	1	2						
1972								7	26	33	19	20	9	20	26	28	28	30	22	18	17	15	14	8	8	5	5	4	1	2	1					
1973											6	24	13	7	9	8	23	31	30	31	30	28	24	22	22	15	17	8	11	2	4					
1974								2	21	10	22	8	20	16	10	9	5	14	33	29	31	14	21	17	14	13	9	15	6	9	9	3	4	1		
1975								9	20	20	39	17	17	10	7	5	16	26	26	36	19	27	20	18	7	8	6	5	3	2	2					
1976					5	13	14	18	22	20	18	18	27	20	10	17	27	22	24	23	12	15	6	4	4	6	5	6	6	1	1	1	1	1		
1977	32	10	16	16	33	38	9	18	13	11	6	17	11	12	5	21	14	16	15	8	9	7	8	6	7	4	2	1								
1978					3	21	15	4	8	6	10	8	48	18	49	33	22	19	12	13	14	17	8	7	8	4	5	9	2	2			2			
1979			4	3	8	7	12	3	9	7	21	11	29	34	33	20	25	19	18	11	6	15	23	8	12	6	8	4	4	2	2			1		
1980								3	9	7	13	14	17	7	37	15	37	32	40	22	17	17	16	12	19	8	11	6	3	1		2			1	
1981								37	48	24	14	12	14	14	25	23	16	18	15	17	15	16	15	10	11	7	9	4	1							
1982								15	12	11	7	7	11	20	29	50	34	23	19	25	13	20	11	12	10	10	8	8	6	2	2					
1983			3	9	13	9	9	22	33	13	7	7	12	5	3	15	33	21	23	37	21	15	9	14	11	7	3	6	1	2	2					
1984				1	3	1	5	17	27	22	20	11	8	12	28	15	21	27	28	20	10	24	21	8	10	4	5	7	7	3	1					
1985								12	14	11	14	17	14	15	19	26	31	39	27	27	20	18	9	9	6	7	4	11	5	5	2			1	1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	8766	100.00	12	15.0	402	6313	72.02	24	330.0	219	868	9.90
1	0.89	35	8766	100.00	13	20.0	410	5911	67.43	25	430.0	170	649	7.40
2	1.2	22	8731	99.60	14	25.0	576	5501	62.75	26	550.0	172	479	5.46
3	1.5	80	8709	99.35	15	33.0	446	4925	56.18	27	720.0	101	307	3.50
4	1.9	161	8629	98.44	16	42.0	630	4479	51.10	28	930.0	84	206	2.35
5	2.5	168	8468	96.60	17	55.0	597	3849	43.91	29	1200.0	62	122	1.39
6	3.2	218	8300	94.68	18	71.0	549	3252	37.10	30	1600.0	28	60	0.68
7	4.2	300	8082	92.20	19	91.0	535	2703	30.84	31	2000.0	17	32	0.37
8	5.4	410	7782	88.77	20	120.0	345	2168	24.73	32	2600.0	11	15	0.17
9	7.0	347	7372	84.10	21	150.0	399	1823	20.80	33	3400.0	2	4	0.05
10	9.0	385	7025	80.14	22	200.0	316	1424	16.24	34	4300.0	2	2	0.02
11	12.0	327	6640	75.75	23	260.0	240	1108	12.64					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.1  
P90 = 5.0  
P75 = 12.6  
P70 = 17.2  
P50 = 44.0  
P25 = 119.0  
P10 = 327.0

## 03333450 WILDCAT CREEK NEAR JEROME, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	6.00 19	6.00 18	6.00 18	6.20 17	8.40 19	11.00 17	12.00 15	16.00 13	20.00 8
1964	1.90 7	1.90 7	1.90 7	2.00 7	2.20 5	2.50 4	2.80 4	2.70 2	4.10 2
1965	1.50 5	1.60 6	1.80 6	1.90 5	2.00 3	2.40 3	2.70 3	3.20 4	5.30 3
1966	4.50 14	4.80 15	5.60 16	6.10 16	6.10 12	8.50 13	11.00 13	42.00 17	43.00 15
1967	1.10 2	1.10 2	1.30 2	1.40 2	1.70 2	2.00 2	2.60 2	3.10 3	14.00 5
1968	1.50 6	1.50 5	1.60 5	1.80 4	2.30 6	3.00 6	3.70 5	4.00 5	8.80 4
1969	4.80 16	4.90 16	5.40 15	5.60 14	6.00 11	6.50 10	8.10 9	10.00 10	27.00 11
1970	5.50 17	5.50 17	5.90 17	6.50 18	8.20 18	30.00 21	38.00 19	43.00 18	75.00 19
1971	11.00 22	11.00 22	12.00 22	13.00 21	17.00 22	35.00 22	47.00 22	46.00 19	62.00 17
1972	4.20 11	4.20 11	4.40 11	4.70 10	6.40 13	10.00 15	12.00 14	12.00 11	16.00 7
1973	5.70 18	6.10 19	6.70 19	7.10 19	7.80 17	15.00 18	46.00 21	54.00 20	108.00 23
1974	11.00 23	11.00 23	12.00 23	13.00 22	14.00 20	19.00 19	32.00 18	70.00 21	84.00 21
1975	4.00 10	4.10 10	4.20 10	5.00 12	6.50 14	7.00 12	8.20 10	8.50 9	24.00 9
1976	4.30 12	4.60 13	5.10 14	5.90 15	7.10 15	8.90 14	14.00 16	19.00 15	46.00 16
1977	0.89 1	0.89 1	0.90 1	0.90 1	0.91 1	1.40 1	1.80 1	2.20 1	2.70 1
1978	3.40 8	3.50 8	3.60 8	3.90 8	7.70 16	11.00 16	20.00 17	30.00 16	66.00 18
1979	1.30 3	1.30 3	1.40 3	2.00 6	2.40 7	3.60 7	5.80 7	7.70 8	26.00 10
1980	7.60 20	8.00 20	8.40 20	9.30 20	14.00 21	22.00 20	43.00 20	82.00 23	87.00 22
1981	4.30 13	4.30 12	4.50 12	4.60 9	5.20 8	6.50 11	6.80 8	6.90 7	15.00 6
1982	10.00 21	10.00 21	12.00 21	15.00 23	35.00 23	65.00 23	73.00 23	79.00 22	82.00 20
1983	4.70 15	4.80 14	5.00 13	5.30 13	5.60 10	6.40 9	8.40 11	18.00 14	39.00 14
1984	1.30 4	1.40 4	1.50 4	1.60 3	2.20 4	2.90 5	4.30 6	6.30 6	31.00 12
1985	3.50 9	3.50 9	3.80 9	4.80 11	5.30 9	6.20 8	9.30 12	14.00 12	32.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	2650.00 8	1950.00 13	1020.00 15	572.00 17	453.00 16	378.00 11	315.00 12	250.00 14	214.00 14
1963	2810.00 7	1980.00 11	1150.00 13	758.00 15	539.00 12	343.00 13	244.00 17	188.00 21	136.00 22
1964	3460.00 3	2890.00 3	1700.00 4	1010.00 7	696.00 6	501.00 5	356.00 6	309.00 7	229.00 12
1965	1260.00 21	910.00 21	563.00 22	375.00 23	300.00 23	262.00 22	231.00 20	207.00 18	143.00 21
1966	528.00 24	473.00 24	310.00 24	188.00 24	119.00 24	100.00 24	92.00 24	81.00 24	80.00 24
1967	2280.00 14	2050.00 8	1370.00 11	780.00 13	492.00 15	331.00 16	301.00 13	304.00 8	255.00 7
1968	2920.00 6	2010.00 10	1580.00 6	931.00 9	525.00 14	435.00 8	328.00 11	290.00 9	239.00 10
1969	2630.00 9	2270.00 5	1390.00 9	817.00 11	528.00 13	336.00 14	251.00 15	231.00 15	181.00 17
1970	1830.00 18	1370.00 17	866.00 20	516.00 20	364.00 21	310.00 18	228.00 21	198.00 20	178.00 18
1971	1480.00 20	1110.00 20	899.00 19	612.00 16	451.00 17	286.00 21	203.00 22	171.00 22	144.00 20
1972	2340.00 12	1970.00 12	1300.00 12	764.00 14	550.00 10	331.00 15	248.00 16	220.00 16	206.00 15
1973	1930.00 15	1490.00 15	906.00 18	793.00 12	619.00 8	427.00 9	352.00 7	323.00 6	343.00 2
1974	2610.00 10	2350.00 4	1700.00 5	1270.00 3	745.00 5	590.00 2	531.00 1	459.00 1	424.00 1
1975	1880.00 17	1210.00 19	927.00 17	546.00 19	379.00 20	301.00 20	252.00 14	270.00 12	244.00 8
1976	3340.00 4	2130.00 6	1440.00 8	1140.00 4	748.00 4	444.00 7	340.00 8	287.00 10	201.00 16
1977	1130.00 22	760.00 23	559.00 23	399.00 22	300.00 22	234.00 23	199.00 23	154.00 23	114.00 23
1978	2330.00 13	1940.00 14	1740.00 3	1320.00 1	883.00 2	529.00 4	407.00 3	333.00 5	284.00 4
1979	3030.00 5	2050.00 9	1370.00 10	1090.00 6	683.00 7	473.00 6	332.00 9	259.00 13	235.00 11
1980	4840.00 1	3090.00 2	1760.00 2	971.00 8	567.00 9	362.00 12	374.00 5	340.00 4	259.00 5
1981	1070.00 23	809.00 22	651.00 21	462.00 21	391.00 19	305.00 19	243.00 18	214.00 17	171.00 19
1982	2370.00 11	2090.00 7	1520.00 7	1120.00 5	984.00 1	664.00 1	523.00 2	455.00 2	335.00 3
1983	1910.00 16	1380.00 16	990.00 16	556.00 18	409.00 18	312.00 17	242.00 19	200.00 19	214.00 13
1984	1610.00 19	1360.00 18	1120.00 14	893.00 10	540.00 11	414.00 10	329.00 10	285.00 11	244.00 9
1985	4340.00 2	3510.00 1	2040.00 1	1280.00 2	842.00 3	547.00 3	384.00 4	345.00 3	255.00 6

## 03333450 WILDCAT CREEK NEAR JEROME, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	98.00	5
1964	54.00	2
1965	124.00	11
1966	84.00	4
1967	115.00	9
1968	127.00	12
1969	112.00	8
1970	122.00	10
1971	127.00	13
1972	69.00	3
1973	247.00	23
1974	230.00	21
1975	142.00	16
1976	164.00	20
1977	48.00	1
1978	162.00	18
1979	128.00	14
1980	141.00	15
1981	103.00	7
1982	232.00	22
1983	101.00	6
1984	163.00	19
1985	144.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	131.00	14
1963	76.00	22
1964	117.00	17
1965	85.00	21
1966	50.00	24
1967	132.00	12
1968	132.00	13
1969	113.00	18
1970	137.00	8
1971	88.00	20
1972	135.00	10
1973	231.00	2
1974	234.00	1
1975	139.00	7
1976	120.00	15
1977	65.00	23
1978	175.00	4
1979	133.00	11
1980	166.00	5
1981	100.00	19
1982	194.00	3
1983	119.00	16
1984	136.00	9
1985	143.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	*	*	*	*	*	*	*	*	*	*	17.20	11.60
1962	5.37	34.70	23.90	370.00	194.00	358.00	56.10	64.20	75.30	327.00	33.50	19.80
1963	37.80	25.00	16.30	10.70	11.20	482.00	176.00	57.20	16.70	63.40	7.48	2.83
1964	2.20	3.42	2.70	6.38	13.80	293.00	689.00	76.30	83.70	224.00	8.90	3.04
1965	2.13	3.01	4.80	10.30	154.00	238.00	282.00	120.00	57.20	12.70	6.50	143.00
1966	47.50	29.40	38.40	106.00	88.70	81.50	47.50	89.30	59.30	9.87	3.80	2.69
1967	1.72	7.71	410.00	144.00	173.00	429.00	194.00	178.00	26.00	12.30	4.67	2.76
1968	3.84	4.84	401.00	207.00	367.00	135.00	151.00	155.00	123.00	19.90	15.50	6.23
1969	7.63	47.30	131.00	392.00	208.00	86.70	166.00	104.00	39.20	45.00	47.50	92.60
1970	252.00	330.00	89.60	77.30	98.40	130.00	291.00	186.00	35.90	66.00	57.00	33.00
1971	89.60	98.70	70.40	41.00	358.00	223.00	38.70	75.30	31.90	24.60	7.00	15.10
1972	15.90	10.70	286.00	156.00	47.00	115.00	547.00	78.50	73.10	107.00	11.00	175.00
1973	206.00	541.00	286.00	222.00	180.00	538.00	296.00	73.60	177.00	39.80	199.00	14.80
1974	23.20	324.00	419.00	687.00	265.00	240.00	354.00	332.00	119.00	26.50	7.54	6.81
1975	11.20	8.99	93.40	219.00	355.00	185.00	201.00	279.00	246.00	33.70	32.20	23.50
1976	8.61	15.40	168.00	123.00	649.00	217.00	48.00	17.90	63.70	146.00	6.63	3.07
1977	3.02	2.95	2.49	1.02	18.50	261.00	196.00	121.00	13.30	12.10	65.50	83.40
1978	173.00	54.90	427.00	50.40	28.90	696.00	317.00	169.00	48.30	90.50	12.90	5.64
1979	2.50	17.10	58.20	62.70	209.00	546.00	214.00	39.20	34.10	210.00	190.00	15.90
1980	28.70	198.00	172.00	76.60	75.80	427.00	256.00	90.60	544.00	29.80	85.20	8.87
1981	8.03	6.91	7.42	6.28	153.00	52.60	161.00	351.00	204.00	78.60	49.20	134.00
1982	103.00	73.40	108.00	288.00	447.00	793.00	237.00	68.20	139.00	25.80	48.30	8.14
1983	5.61	27.50	389.00	87.50	106.00	72.00	299.00	318.00	85.20	24.20	4.62	2.34
1984	8.14	85.30	316.00	33.40	303.00	476.00	198.00	126.00	50.30	19.00	14.90	6.69
1985	16.90	90.50	139.00	171.00	542.00	390.00	230.00	51.70	65.80	14.50	28.60	9.93

## WABASH RIVER BASIN

03333450 WILDCAT CREEK NEAR JEROME, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.22	8.03	27.50	35.30	79.00	131.00
FIFTIETH PERCENTILE					
9.90	28.40	120.00	96.70	177.00	251.00
SEVENTY FIFTH PERCENTILE					
45.10	89.20	309.00	216.00	342.00	464.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
162.00	69.50	36.70	19.19	7.24	4.35
FIFTIETH PERCENTILE					
208.00	97.30	64.70	31.70	15.50	9.93
SEVENTY FIFTH PERCENTILE					
295.00	176.00	122.00	87.50	48.70	28.20

## 03333500 WILDCAT CREEK AT GREENTOWN, IN

LOCATION.--Lat 40°27', long 85°57', on line between secs. 9 and 10, T.23 N., R.5 E., Howard County, Hydrologic Unit 05120107, on left bank at downstream side of bridge on State Highway 213, 1.5 mi south of Greentown.

DRAINAGE AREA.--162 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1944 to July 1961 (discontinued). Prior to February 1945, monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 809.33 ft above National Geodetic Vertical Datum of 1929. Prior to June 5, 1954, wire-weight gage at bridge, 2.0 mi downstream at datum 5.34 ft lower.

AVERAGE DISCHARGE.--16 years, 150 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,320 ft<sup>3</sup>/s Jan. 4, 1950 (gage height, 15.3 ft, site and datum then in use); minimum, 0.9 ft<sup>3</sup>/s Sept. 21, 1947.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of 18.9 ft, from floodmarks, site and datum used prior to June 5, 1954. Flood of May 1943 reached a stage of 15.0 ft, from floodmarks, site and datum used prior to June 5, 1954 (discharge, 5,960 ft<sup>3</sup>/s).

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1946					3	6	8	20	7	11	3	8	10	16	26	34	35	24	27	19	16	15	21	11	14	12	8	6	2	3						
1947					14	2		13	17	40	28	17	22	11	24	11	19	17	19	27	15	12	14	13	10	6	5	2	3	3	1					
1948			5	1	7	7	5	4	15	31	21	21	20	27	22	34	11	20	15	11	7	8	18	13	9	7	3	6	4	6	4	2				
1949				2	3	6	8	25	15	9	5	15	27	25	22	19	13	12	30	34	20	13	12	4	8	14	7	7	2	4	2	1			1	
1950					5	5	4	13	8	10	9	9	22	22	24	27	17	19	18	27	10	26	13	15	12	15	6	10	5	8	2	2	1	1		
1951				4	8	5	14	8	7	7	8	9	30	13	11	12	16	24	22	15	32	22	14	15	16	13	6	9	12	8	4	1				
1952		6	7	6	2	1	1	7	23	12	9	18	8	11	13	19	12	16	11	27	24	30	25	19	13	15	16	4	6	3	2	2				
1953						1	23	23	20	21	11	10	13	9	16	17	28	32	35	29	12	29	12	7	8	3	2	2	2							
1954			4	18	16	18	52	54	30	14	9	16	13	13	11	23	23	12	8	10	5	4	8	3	1											
1955			1				13	10	9	13	31	32	25	15	14	22	32	20	26	21	22	14	18	10	4	4	4	2	2	1						
1956			2	4	3	5	10	7	9	8	8	14	31	20	28	33	28	20	27	17	25	20	16	10	9	3	5	1	2	1						
1957		3	9	3	1	5	4	15	9	19	25	24	14	13	8	10	14	30	20	28	13	13	14	14	12	12	9	8	5	6	4		1			
1958									6	1	10	15	18	33	42	62	33	26	21	20	9	15	9	7	10	2	10	5	1	5	2	2	1			
1959					20	13	10	10	18	18	28	18	8	11	13	15	15	21	23	26	18	22	20	7	8	6	7		5		4				1	
1960							4	3	7	9	17	27	17	37	56	46	32	31	17	25	6	11	5	4	4	2	5	1								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5479	100.00	12	17.0	262	4031	73.57	24	360.0	133	570	10.40
1	1.0	9	5479	100.00	13	22.0	240	3769	68.79	25	460.0	121	437	7.98
2	1.3	32	5470	99.84	14	28.0	294	3529	64.41	26	600.0	94	316	5.77
3	1.7	42	5438	99.25	15	36.0	372	3235	59.04	27	770.0	78	222	4.05
4	2.2	54	5396	98.49	16	46.0	378	2863	52.25	28	1000.0	52	144	2.63
5	2.8	89	5342	97.50	17	60.0	318	2485	45.35	29	1300.0	44	92	1.68
6	3.6	128	5253	95.88	18	77.0	327	2167	39.55	30	1700.0	27	48	0.88
7	4.6	203	5125	93.54	19	100.0	340	1840	33.58	31	2100.0	11	21	0.38
8	6.0	190	4922	89.83	20	130.0	296	1500	27.38	32	2800.0	5	10	0.18
9	7.7	224	4732	86.37	21	170.0	198	1204	21.97	33	3600.0	3	5	0.09
10	10.0	207	4508	82.28	22	210.0	264	1006	18.36	34	4600.0	2	2	0.04
11	13.0	270	4301	78.50	23	280.0	172	742	13.54					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.0  
P90 = 5.9  
P75 = 15.8  
P70 = 20.7  
P50 = 50.6  
P25 = 148.0  
P10 = 377.0

## 03333500 WILDCAT CREEK AT GREENTOWN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1946	4.00 10	4.10 10	4.60 12	5.80 12	6.20 11	22.00 14	36.00 14	71.00 15	75.00 14
1947	2.40 5	2.40 5	2.40 5	2.50 5	3.30 4	4.50 5	5.50 5	6.70 4	19.00 5
1948	6.70 14	6.70 14	7.00 14	7.70 14	8.40 13	9.70 10	13.00 9	14.00 9	19.00 6
1949	1.40 3	1.40 3	1.70 3	2.30 4	3.30 5	3.90 4	8.70 8	13.00 8	39.00 9
1950	3.00 7	3.20 7	3.60 7	5.20 11	6.00 10	9.30 9	37.00 15	53.00 13	56.00 12
1951	3.40 8	3.40 8	3.70 9	5.10 10	6.30 12	24.00 15	35.00 13	41.00 11	50.00 11
1952	1.00 1	1.10 1	1.30 1	1.50 1	2.20 3	2.50 1	4.30 2	7.20 5	27.00 8
1953	5.20 13	5.30 13	6.10 13	7.00 13	9.50 14	12.00 12	18.00 10	19.00 10	40.00 10
1954	3.50 9	3.60 9	3.60 8	3.60 7	3.80 7	4.80 6	5.10 3	5.20 1	9.50 1
1955	1.60 4	1.60 4	1.70 4	1.80 3	2.00 1	2.80 2	3.80 1	9.10 6	12.00 3
1956	4.10 11	4.20 11	4.30 10	4.40 8	5.60 9	10.00 11	28.00 12	51.00 12	61.00 13
1957	1.10 2	1.19 2	1.30 2	1.50 2	2.00 2	3.90 3	5.20 4	6.30 2	12.00 4
1958	7.60 15	8.00 15	8.80 15	9.30 16	22.00 16	56.00 16	66.00 16	107.00 16	181.00 16
1959	8.00 16	8.30 16	8.90 16	9.20 15	13.00 15	14.00 13	25.00 11	61.00 14	91.00 15
1960	2.80 6	2.80 6	2.90 6	3.10 6	3.50 6	5.10 7	7.00 7	11.00 7	20.00 7
1961	4.50 12	4.50 12	4.60 11	4.60 9	5.00 8	5.70 8	6.30 6	6.50 3	11.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1946	1520.00 11	1100.00 13	790.00 11	535.00 11	362.00 11	292.00 11	300.00 10	250.00 10	235.00 9
1947	1840.00 8	1510.00 8	1030.00 8	680.00 9	501.00 9	426.00 8	344.00 9	273.00 9	224.00 10
1948	2500.00 6	1990.00 6	1510.00 6	1150.00 4	1090.00 2	671.00 2	501.00 2	409.00 5	312.00 6
1949	3930.00 4	2540.00 4	1530.00 4	1180.00 3	893.00 4	664.00 3	497.00 3	405.00 6	288.00 7
1950	5720.00 1	3860.00 1	2460.00 2	2050.00 1	1400.00 1	1050.00 1	784.00 1	725.00 1	518.00 1
1951	1810.00 9	1440.00 9	1160.00 7	830.00 7	531.00 8	418.00 9	373.00 8	357.00 7	324.00 5
1952	1860.00 7	1590.00 7	958.00 9	787.00 8	566.00 7	478.00 7	451.00 5	411.00 4	349.00 3
1953	1540.00 10	1190.00 10	721.00 12	535.00 12	390.00 10	323.00 10	275.00 11	244.00 11	209.00 11
1954	388.00 15	306.00 15	243.00 15	177.00 15	118.00 15	94.00 15	80.00 15	76.00 15	59.00 15
1955	1330.00 13	1120.00 11	703.00 13	487.00 13	293.00 13	212.00 13	217.00 12	204.00 12	157.00 12
1956	1410.00 12	1100.00 12	895.00 10	552.00 10	315.00 12	218.00 12	169.00 14	203.00 13	152.00 13
1957	3380.00 5	2510.00 5	1570.00 3	1020.00 5	821.00 5	519.00 6	492.00 4	448.00 2	354.00 2
1958	4460.00 3	3540.00 2	2960.00 1	1720.00 2	931.00 3	589.00 4	436.00 7	339.00 8	246.00 8
1959	4620.00 2	2600.00 3	1510.00 5	845.00 6	801.00 6	528.00 5	438.00 6	432.00 3	335.00 4
1960	1070.00 14	915.00 14	684.00 14	400.00 14	256.00 14	209.00 14	184.00 13	174.00 14	135.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1946	177.00 10
1947	82.00 5
1948	170.00 9
1949	215.00 13
1950	258.00 16
1951	197.00 12
1952	178.00 11
1953	137.00 8
1954	67.00 1
1955	80.00 3
1956	103.00 6
1957	81.00 4
1958	251.00 15
1959	237.00 14
1960	117.00 7
1961	76.00 2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1946	148.00 9
1947	121.00 11
1948	165.00 7
1949	165.00 8
1950	295.00 1
1951	180.00 6
1952	195.00 4
1953	125.00 10
1954	32.00 15
1955	99.00 13
1956	106.00 12
1957	198.00 3
1958	209.00 2
1959	180.00 5
1960	90.00 14



## 03333500 WILDCAT CREEK AT GREENTOWN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1945	*	*	*	*	*	223.00	272.00	301.00	178.00	59.40	33.50	56.20
1946	188.00	55.80	153.00	248.00	236.00	343.00	50.00	197.00	243.00	55.10	9.66	4.23
1947	4.75	8.63	33.30	173.00	95.90	112.00	386.00	296.00	286.00	20.00	15.10	20.40
1948	8.94	10.50	36.50	193.00	179.00	590.00	657.00	123.00	123.00	49.00	18.00	3.39
1949	4.82	45.50	173.00	872.00	396.00	136.00	108.00	40.80	49.00	118.00	37.30	6.30
1950	155.00	49.30	252.00	1358.0	583.00	350.00	475.00	105.00	52.50	48.00	6.49	118.00
1951	22.30	246.00	316.00	307.00	491.00	214.00	331.00	161.00	30.60	63.40	5.94	2.95
1952	5.03	54.50	218.00	442.00	385.00	442.00	337.00	262.00	77.80	68.80	21.40	35.00
1953	10.90	35.50	109.00	179.00	131.00	371.00	245.00	197.00	104.00	70.90	35.80	6.04
1954	3.97	5.90	5.53	24.30	42.00	66.80	114.00	34.10	75.20	6.59	3.63	1.99
1955	24.30	17.60	46.30	261.00	118.00	254.00	159.00	59.00	70.30	157.00	15.00	6.89
1956	63.10	193.00	73.10	22.40	264.00	162.00	67.50	221.00	154.00	49.50	11.10	4.00
1957	6.01	6.35	21.60	112.00	200.00	128.00	815.00	219.00	418.00	326.00	34.90	110.00
1958	119.00	181.00	566.00	91.50	49.40	78.90	50.10	45.50	921.00	223.00	154.00	18.00
1959	13.80	202.00	85.10	387.00	550.00	229.00	446.00	216.00	45.30	14.80	5.71	5.29
1960	20.00	43.00	101.00	136.00	233.00	151.00	132.00	52.50	60.50	109.00	34.20	19.50
1961	6.63	6.23	7.65	6.93	46.30	422.00	494.00	151.00	31.10	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

5.27	9.10	34.10	96.60	101.00	132.00
------	------	-------	-------	--------	--------

## FIFTIETH PERCENTILE

12.40	44.20	93.00	186.00	217.00	223.00
-------	-------	-------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

53.40	150.00	207.00	367.00	393.00	361.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

111.00	55.70	50.70	48.20	7.28	4.06
--------	-------	-------	-------	------	------

## FIFTIETH PERCENTILE

272.00	161.00	77.80	61.40	16.50	6.59
--------	--------	-------	-------	-------	------

## SEVENTY FIFTH PERCENTILE

461.00	220.00	211.00	116.00	34.70	31.30
--------	--------	--------	--------	-------	-------

## 03333600 KOKOMO CREEK NEAR KOKOMO, IN

LOCATION.--Lat 40°26'28", long 86°05'20", in NW¼SW¼ sec.16, T.23 N., R.4 E., Howard County, Hydrologic Unit 05120107, on left bank at upstream side of bridge on County Road 200 East, 2.6 mi southeast of intersection of U.S. Highways 31 and 35 in Kokomo, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--24.7 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1959 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 807.68 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--26 years, 21.8 ft<sup>3</sup>/s, 11.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,040 ft<sup>3</sup>/s Apr. 20, 1964, gage height, 9.88 ft; minimum daily, 0.08 ft<sup>3</sup>/s Aug. 20, 1975.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1960									1	5	10	13	12	30	39	23	44	37	17	38	23	20	12	13	12	7	3	4	1	2						
1961							7	25	95	33	30	21	21	14	11	9	9	5	12	5	15	15	8	5	5	3	6	6	1	2	2					
1962										16	10	27	43	30	19	30	27	23	42	32	12	13	8	5	7	5	6	2	2	3	3					
1963							3	32	2	12	36	32	37	38	31	20	18	13	18	9	12	16	10	10	6	6	1		1		1	1				
1964							36	39	55	26	22	27	16	15	7	10	15	4	11	16	11	8	11	8	6	8	6	2	2	2	1		2			
1965						3	8	12	39	15	21	38	29	35	17	19	10	12	10	17	18	13	11	7	6	8	5	5	4	2	1					
1966						9	18	22	9	10	5	5	14	18	28	56	48	29	38	19	18	10	2	4	2	1										
1967					2	4	31	30	20	20	9	14	13	17	12	14	16	12	20	21	17	17	16	17	14	7	5	8	4	3	2					
1968		2	6	1	4	3	4	11	13	7	40	32	14	10	32	39	24	12	29	14	25	11	10	3	4	1	4	2	3	3	2	1				
1969						1		14	25	14	22	18	19	32	27	23	23	32	22	24	12	18	13	12	2	5		3	1	1	1	1				
1970							4	4	3	19	14	14	18	16	15	22	30	34	38	38	27	25	10	9	5	8	4	2	3		3					
1971								3	20	14	15	14	17	11	30	36	31	40	40	28	10	12	7	13	8	4	5	3	2	2						
1972								5	32	33	15	16	17	14	34	34	36	25	21	19	18	15	8	7	5	3	5		3			1				
1973									5	18	12	11	5	6	8	22	15	30	32	29	25	37	33	25	18	15	8	7	2	2						
1974						3	12	4	14	13	8	10	11	13	14	10	14	18	40	28	28	17	17	21	17	10	14	13	4	8	3	1				
1975	5	14	2	4	7	7	8	15	9	2	12	13	33	14	7	12	6	9	29	32	34	21	25	15	12	7	6	2	1	1	1					
1976						1	10	12	23	26	22	26	34	17	17	38	25	14	20	16	12	8	9	7	3	7	6	4	5	1	2				1	
1977					11	50	42	17	13	7	7	21	18	28	12	11	16	14	19	13	15	11	11	13	6	4	4	1	1							
1978						10	15	17	8	7	11	7	39	25	20	32	31	24	14	17	12	14	19	10	7	5	4	9	6	1	1					
1979								2	16	17	39	22	20	42	30	23	18	19	25	13	8	17	20	11	10	6	2	3		1	1					
1980								2		12	16	11	11	12	23	22	25	35	35	35	19	18	21	22	17	15	5	4	1	2	1		1	1		
1981								7	5	1	10	42	52	25	37	29	31	11	30	15	18	9	13	7	5	4	2	10		2						
1982											1	15	14	16	20	26	42	26	39	34	29	24	19	13	14	5	2	7	9	4	1	5				
1983					3	8	17	11	4	7	5	13	10	22	18	9	10	9	29	28	26	37	26	15	13	13	9	7	1	5	4	5		1		
1984					2	2				2	6	10	17	27	30	28	28	18	29	23	32	19	19	13	15	14	8	5	7	2	5	5				
1985								2	17	15	20	24	21	13	24	43	31	20	26	25	22	14	8	10	8	6	4	5	3	1	1		2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	9497	100.00	12	1.7	537	7646	80.51	24	45.0	321	1144	12.05
1	0.08	5	9497	100.00	13	2.2	570	7109	74.86	25	59.0	240	823	8.67
2	0.11	16	9492	99.95	14	2.9	502	6539	68.85	26	78.0	160	583	6.14
3	0.14	11	9476	99.78	15	3.8	539	6037	63.57	27	100.0	135	423	4.45
4	0.18	15	9465	99.66	16	5.0	620	5498	57.89	28	130.0	104	288	3.03
5	0.24	46	9450	99.51	17	6.5	641	4878	51.36	29	180.0	76	184	1.94
6	0.32	96	9404	99.02	18	8.6	516	4237	44.61	30	230.0	60	108	1.14
7	0.42	198	9308	98.01	19	11.0	725	3721	39.18	31	310.0	25	48	0.51
8	0.55	290	9110	95.93	20	15.0	591	2996	31.55	32	410.0	15	23	0.24
9	0.72	368	8820	92.87	21	20.0	515	2405	25.32	33	530.0	6	8	0.08
10	0.95	357	8452	89.00	22	26.0	377	1890	19.90	34	700.0	2	2	0.02
11	1.3	449	8095	85.24	23	34.0	369	1513	15.93					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.60  
P90 = 0.89  
P75 = 2.2  
P70 = 2.8  
P50 = 6.9  
P25 = 20.4  
P10 = 53.5

## 03333600 KOKOMO CREEK NEAR KOKOMO, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	0.50 11	0.50 11	0.51 12	0.62 10	0.73 10	0.84 7	0.82 6	0.86 4	1.10 4
1962	0.80 19	0.80 19	0.80 15	0.94 15	1.00 13	1.30 10	1.50 10	1.60 9	2.30 6
1963	1.40 22	1.40 22	1.40 22	1.40 19	1.80 18	2.20 16	2.50 16	3.10 16	4.40 13
1964	0.50 12	0.50 12	0.50 11	0.50 8	0.53 5	0.58 4	0.65 3	0.68 2	1.00 2
1965	0.30 4	0.30 4	0.39 5	0.49 6	0.54 6	0.62 5	0.77 5	0.88 5	1.10 3
1966	0.40 8	0.40 7	0.43 6	0.62 11	0.66 9	2.20 17	3.00 17	3.70 17	4.90 15
1967	0.40 9	0.40 8	0.43 7	0.49 7	0.60 8	0.82 6	0.89 7	0.98 7	3.40 8
1968	0.12 2	0.13 2	0.16 2	0.26 3	0.43 4	0.51 3	0.66 4	0.74 3	1.70 5
1969	0.73 17	0.75 17	0.85 16	0.97 17	1.19 15	1.40 12	1.70 11	2.20 12	4.30 11
1970	0.54 13	0.63 14	0.88 17	0.96 16	1.30 16	4.30 21	6.10 21	6.00 18	11.00 19
1971	0.62 15	0.68 15	1.19 18	1.40 18	2.20 21	5.00 22	6.50 22	6.70 22	12.00 20
1972	0.68 16	0.70 16	0.74 14	0.79 14	0.91 12	1.30 11	1.80 12	1.80 11	2.70 7
1973	0.76 18	0.76 18	1.30 19	1.50 20	2.00 19	2.90 20	4.90 20	6.10 19	14.00 22
1974	1.00 20	1.10 20	1.30 20	1.60 22	2.20 22	7.40 24	6.80 23	13.00 23	16.00 24
1975	0.35 6	0.35 6	0.49 10	0.70 13	0.86 11	1.80 14	2.10 13	2.30 13	4.70 14
1976	0.08 1	0.09 1	0.11 1	0.20 1	0.34 3	0.91 9	0.95 8	1.19 8	4.30 12
1977	0.31 5	0.31 5	0.31 4	0.31 4	0.33 2	0.37 1	0.41 1	0.62 1	0.69 1
1978	0.38 7	0.42 9	0.44 8	0.45 5	2.40 23	2.70 19	3.90 19	6.30 20	15.00 23
1979	0.46 10	0.47 10	0.49 9	0.56 9	0.59 7	0.86 8	1.10 9	1.70 10	5.00 16
1980	1.50 23	1.90 25	2.10 25	2.10 24	2.80 24	5.00 23	9.00 24	14.00 24	12.00 21
1981	0.55 14	0.55 13	0.64 13	0.67 12	1.10 14	1.60 13	2.10 14	2.50 14	3.50 9
1982	1.60 25	1.70 24	2.00 24	2.30 25	4.10 25	10.00 25	10.00 25	16.00 25	18.00 25
1983	1.50 24	1.60 23	1.70 23	1.90 23	2.00 20	2.30 18	3.20 18	6.40 21	8.90 18
1984	0.16 3	0.16 3	0.18 3	0.21 2	0.25 1	0.39 2	0.64 2	0.96 6	4.30 10
1985	1.19 21	1.19 21	1.30 21	1.50 21	1.80 17	2.00 15	2.30 15	2.60 15	5.30 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1960	220.00 25	181.00 23	121.00 24	72.00 24	48.00 24	34.00 25	30.00 25	29.00 24	24.00 23
1961	333.00 19	271.00 17	227.00 10	159.00 8	102.00 9	76.00 9	58.00 10	45.00 11	30.00 19
1962	406.00 15	285.00 15	146.00 21	101.00 21	82.00 16	64.00 12	52.00 13	42.00 14	33.00 15
1963	430.00 13	316.00 13	176.00 16	112.00 18	80.00 18	54.00 19	41.00 20	33.00 21	23.00 24
1964	685.00 4	566.00 2	307.00 3	173.00 6	118.00 6	82.00 5	59.00 7	51.00 8	37.00 11
1965	265.00 21	180.00 24	158.00 19	104.00 19	73.00 21	56.00 17	47.00 16	38.00 18	27.00 20
1966	94.00 26	71.00 26	47.00 26	30.00 26	21.00 26	18.00 26	15.00 26	14.00 26	14.00 26
1967	366.00 16	312.00 14	207.00 13	117.00 16	89.00 12	64.00 13	59.00 8	53.00 7	47.00 4
1968	453.00 10	337.00 11	267.00 8	151.00 9	82.00 17	64.00 14	48.00 15	43.00 12	33.00 16
1969	430.00 14	335.00 12	211.00 11	125.00 14	85.00 14	55.00 18	44.00 19	42.00 15	32.00 17
1970	481.00 9	391.00 7	241.00 9	129.00 13	79.00 19	70.00 10	51.00 14	42.00 16	36.00 12
1971	236.00 23	191.00 22	150.00 20	103.00 20	78.00 20	52.00 20	37.00 21	33.00 22	27.00 21
1972	508.00 7	350.00 9	210.00 12	124.00 15	86.00 13	50.00 21	37.00 22	34.00 20	30.00 18
1973	339.00 18	223.00 19	168.00 18	135.00 12	112.00 7	77.00 8	64.00 4	60.00 3	61.00 2
1974	444.00 12	396.00 6	281.00 7	207.00 5	122.00 5	98.00 2	89.00 2	79.00 2	72.00 1
1975	350.00 17	240.00 18	142.00 22	86.00 22	62.00 22	50.00 22	45.00 17	40.00 17	38.00 10
1976	703.00 2	434.00 5	284.00 6	210.00 3	141.00 3	80.00 6	59.00 9	47.00 9	35.00 14
1977	229.00 24	144.00 25	90.00 25	61.00 25	48.00 25	36.00 24	31.00 24	24.00 25	19.00 25
1978	502.00 8	354.00 8	292.00 5	217.00 2	154.00 2	87.00 3	67.00 3	55.00 6	45.00 5
1979	449.00 11	284.00 16	176.00 17	143.00 10	98.00 10	77.00 7	55.00 11	43.00 13	36.00 13
1980	748.00 1	511.00 3	307.00 4	171.00 7	102.00 8	62.00 15	63.00 5	59.00 4	45.00 6
1981	296.00 20	202.00 21	127.00 23	78.00 23	54.00 23	40.00 23	32.00 23	30.00 23	26.00 22
1982	526.00 6	490.00 4	324.00 2	225.00 1	181.00 1	119.00 1	93.00 1	80.00 1	59.00 3
1983	571.00 5	337.00 10	201.00 14	113.00 17	95.00 11	59.00 16	45.00 18	37.00 19	44.00 7
1984	249.00 22	219.00 20	176.00 15	141.00 11	84.00 15	67.00 11	53.00 12	47.00 10	39.00 9
1985	687.00 3	571.00 1	330.00 1	207.00 4	138.00 4	87.00 4	61.00 6	55.00 5	41.00 8

03333600 KOKOMO CREEK NEAR KOKOMO, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	11.00	4
1962	24.00	15
1963	15.00	6
1964	9.70	2
1965	21.00	11
1966	13.00	5
1967	21.00	12
1968	20.00	9
1969	18.00	7
1970	24.00	16
1971	24.00	17
1972	11.00	3
1973	40.00	24
1974	41.00	25
1975	24.00	18
1976	24.00	19
1977	8.50	1
1978	27.00	22
1979	21.00	10
1980	24.00	20
1981	18.00	8
1982	39.00	23
1983	22.00	13
1984	26.00	21
1985	24.00	14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	15.00	22
1961	16.00	21
1962	20.00	13
1963	13.00	24
1964	19.00	15
1965	14.00	23
1966	8.80	26
1967	25.00	7
1968	18.00	18
1969	19.00	16
1970	28.00	6
1971	17.00	19
1972	19.00	17
1973	41.00	1
1974	40.00	2
1975	21.00	11
1976	20.00	14
1977	12.00	25
1978	29.00	4
1979	21.00	12
1980	29.00	5
1981	17.00	20
1982	35.00	3
1983	24.00	8
1984	22.00	10
1985	23.00	9

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1959	*	*	*	*	*	*	*	*	*	*	1.11	1.17
1960	3.83	4.90	17.30	22.90	34.00	27.80	26.50	15.30	7.55	19.20	2.82	1.29
1961	0.77	0.95	0.76	0.94	3.89	56.50	89.40	25.00	5.64	1.90	1.77	1.41
1962	1.58	5.22	2.05	53.00	33.80	65.50	11.30	10.40	6.75	42.80	6.40	3.76
1963	10.20	4.75	3.15	1.94	2.71	72.20	30.50	16.20	8.88	7.24	1.19	0.60
1964	0.58	0.83	0.72	2.54	1.98	44.20	117.00	12.80	18.90	27.40	1.23	0.76
1965	0.55	1.09	1.42	3.49	25.70	39.10	73.00	9.75	6.28	6.05	1.00	4.58
1966	6.56	6.96	8.93	15.70	9.89	11.90	9.84	19.60	11.90	1.91	0.59	1.26
1967	0.87	4.68	63.10	24.00	37.80	77.00	45.10	32.50	6.09	1.70	0.62	0.51
1968	1.04	0.79	52.40	35.60	53.60	13.70	29.10	15.30	9.63	2.35	3.73	1.39
1969	1.49	9.99	23.00	59.30	39.00	18.00	37.70	9.43	3.92	8.77	6.63	12.20
1970	68.10	64.20	17.80	12.20	16.90	27.50	55.20	44.00	3.92	8.81	8.44	8.37
1971	20.60	21.70	12.00	7.45	65.40	39.50	7.20	21.60	4.13	6.33	0.98	3.53
1972	1.50	1.22	40.10	23.50	7.53	15.00	86.00	8.74	9.59	8.04	2.65	23.40
1973	32.30	88.30	53.80	38.70	34.10	101.00	50.40	11.00	35.30	8.80	31.00	2.24
1974	12.40	50.20	69.60	114.00	47.60	55.00	50.10	52.60	18.60	4.20	3.39	1.10
1975	2.60	2.50	21.50	43.70	58.30	30.20	29.20	28.10	34.00	1.71	1.38	0.64
1976	1.28	3.41	17.70	14.90	119.00	40.10	6.91	2.52	11.80	25.10	1.19	0.80
1977	1.27	0.57	0.44	0.33	5.94	44.80	25.90	17.00	2.60	3.17	14.90	27.50
1978	37.00	6.88	61.70	7.93	3.65	115.00	53.60	27.10	5.88	18.00	1.31	0.59
1979	1.41	5.70	10.10	11.00	30.30	85.10	43.00	8.88	5.70	23.10	26.30	2.88
1980	7.30	34.70	31.80	14.60	13.00	73.90	44.00	13.70	99.70	8.25	12.10	1.40
1981	2.46	2.61	3.40	2.31	27.10	7.87	22.80	52.50	18.80	6.30	14.20	39.80
1982	28.40	11.30	14.80	52.30	60.70	150.00	47.60	17.20	19.20	5.38	16.60	2.27
1983	2.32	11.40	93.40	15.00	19.20	12.60	57.60	57.90	12.00	3.25	0.63	0.30
1984	1.52	9.40	44.50	4.74	50.40	75.40	32.20	27.00	9.31	3.65	2.62	1.99
1985	2.19	13.70	23.10	28.90	86.70	64.10	33.90	7.35	13.90	2.71	3.77	1.20

03333600 KOKOMO CREEK NEAR KOKOMO, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.28	2.18	3.34	4.43	9.30	25.10
FIFTIETH PERCENTILE					
2.25	5.46	17.69	15.00	32.00	44.50
SEVENTY FIFTH PERCENTILE					
10.80	12.00	46.50	36.40	51.20	74.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
26.30	10.20	5.83	3.05	1.19	0.80
FIFTIETH PERCENTILE					
40.30	16.60	9.45	6.31	2.65	1.40
SEVENTY FIFTH PERCENTILE					
54.00	27.30	18.60	11.10	8.44	3.76



## 03333700 WILDCAT CREEK AT KOKOMO, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 20.6  
 P90 = 25.2  
 P75 = 39.4  
 P70 = 45.6  
 P50 = 85.3  
 P25 = 219.0  
 P10 = 549.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	7.20 1	8.60 2	9.60 2	9.70 2	10.00 1	11.00 1	13.00 1	15.00 1	23.00 2
1958	20.00 16	22.00 17	24.00 18	25.00 17	39.00 24	76.00 28	99.00 28	158.00 28	275.00 29
1959	14.00 6	16.00 6	18.00 6	20.00 9	27.00 14	31.00 16	62.00 22	132.00 25	171.00 27
1960	16.00 11	19.00 13	19.00 11	21.00 13	26.00 13	30.00 15	31.00 11	31.00 9	38.00 7
1961	12.00 4	12.00 4	12.00 3	15.00 4	16.00 4	16.00 2	19.00 3	21.00 3	25.00 3
1962	17.00 14	19.00 14	21.00 14	23.00 14	24.00 12	29.00 12	33.00 15	37.00 12	43.00 9
1963	21.00 19	22.00 18	22.00 15	23.00 15	28.00 15	30.00 13	32.00 12	41.00 15	50.00 12
1964	7.90 2	8.00 1	8.30 1	8.40 1	12.00 2	16.00 3	16.00 2	17.00 2	21.00 1
1965	16.00 12	17.00 7	18.00 7	18.00 5	18.00 5	20.00 4	21.00 4	22.00 4	25.00 4
1966	22.00 20	26.00 23	27.00 21	29.00 22	30.00 18	41.00 22	42.00 19	72.00 21	69.00 18
1967	15.00 7	18.00 12	19.00 12	20.00 10	22.00 9	26.00 11	27.00 8	28.00 8	41.00 8
1968	13.00 5	14.00 5	18.00 8	20.00 11	22.00 10	23.00 7	25.00 7	25.00 6	34.00 6
1969	11.00 3	11.00 3	13.00 4	14.00 3	16.00 3	23.00 8	28.00 9	36.00 11	60.00 14
1970	23.00 21	25.00 21	27.00 22	31.00 23	34.00 22	62.00 26	73.00 24	78.00 22	122.00 22
1971	26.00 25	27.00 24	31.00 24	33.00 24	39.00 25	66.00 27	84.00 27	83.00 23	118.00 21
1972	23.00 22	23.00 19	25.00 19	27.00 19	30.00 19	33.00 19	39.00 17	43.00 17	49.00 11
1973	24.00 23	29.00 25	31.00 25	34.00 25	38.00 23	48.00 23	77.00 25	87.00 24	172.00 28
1974	34.00 29	37.00 28	44.00 29	46.00 28	49.00 28	59.00 25	70.00 23	147.00 27	158.00 25
1975	20.00 17	23.00 20	26.00 20	27.00 20	29.00 16	30.00 14	32.00 13	38.00 13	58.00 13
1976	29.00 26	30.00 26	31.00 26	34.00 26	40.00 26	40.00 21	50.00 21	55.00 19	87.00 19
1977	15.00 8	17.00 8	17.00 5	19.00 6	20.00 6	21.00 5	22.00 5	23.00 5	26.00 5
1978	18.00 15	20.00 15	23.00 16	24.00 16	31.00 20	32.00 17	48.00 20	67.00 20	125.00 23
1979	16.00 9	18.00 9	20.00 13	21.00 12	22.00 11	26.00 9	33.00 14	40.00 14	67.00 16
1980	29.00 27	31.00 27	35.00 27	39.00 27	45.00 27	54.00 24	84.00 26	136.00 26	148.00 24
1981	16.00 10	18.00 10	19.00 9	19.00 7	21.00 7	22.00 6	24.00 6	27.00 7	46.00 10
1982	34.00 28	40.00 29	43.00 28	51.00 29	71.00 29	138.00 29	144.00 29	170.00 29	167.00 26
1983	21.00 18	22.00 16	24.00 17	26.00 18	30.00 17	32.00 18	40.00 18	52.00 18	91.00 20
1984	17.00 13	18.00 11	19.00 10	20.00 8	21.00 8	26.00 10	29.00 10	33.00 10	69.00 17
1985	26.00 24	26.00 22	28.00 23	29.00 21	32.00 21	34.00 20	37.00 16	42.00 16	66.00 15

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	1940.00 25	1610.00 25	1260.00 24	821.00 25	484.00 27	344.00 27	264.00 29	314.00 26	237.00 26
1957	4140.00 11	2910.00 16	1980.00 16	1350.00 16	1130.00 8	734.00 10	687.00 5	634.00 4	492.00 5
1958	5660.00 6	4770.00 4	4060.00 1	2540.00 2	1460.00 4	936.00 3	733.00 4	572.00 7	414.00 10
1959	6520.00 3	4480.00 6	2580.00 7	1450.00 12	1210.00 6	816.00 6	736.00 3	712.00 3	549.00 4
1960	1340.00 28	1240.00 27	971.00 28	593.00 28	393.00 29	309.00 29	283.00 28	264.00 28	226.00 27
1961	3100.00 20	2390.00 20	2100.00 13	1500.00 9	1010.00 11	808.00 7	644.00 8	500.00 10	343.00 18
1962	4600.00 8	2940.00 15	1610.00 20	941.00 22	745.00 21	620.00 16	511.00 16	405.00 18	365.00 15
1963	2600.00 23	2040.00 22	1250.00 25	855.00 24	651.00 23	450.00 26	333.00 26	268.00 27	199.00 28
1964	6320.00 4	4770.00 5	2750.00 6	1610.00 7	1090.00 9	784.00 8	559.00 11	475.00 13	357.00 16
1965	1450.00 27	1220.00 28	1080.00 26	743.00 26	542.00 26	455.00 24	381.00 23	335.00 23	238.00 25
1966	775.00 30	666.00 30	493.00 30	309.00 30	195.00 30	170.00 30	155.00 30	135.00 30	134.00 30
1967	3250.00 19	2830.00 17	1990.00 15	1150.00 18	820.00 18	583.00 17	513.00 15	484.00 11	430.00 8
1968	4250.00 9	3330.00 11	2540.00 8	1490.00 10	830.00 17	671.00 14	505.00 17	445.00 15	356.00 17
1969	4100.00 12	3690.00 8	2420.00 11	1370.00 15	880.00 15	557.00 20	414.00 20	384.00 19	299.00 22
1970	2690.00 21	2310.00 21	1510.00 22	871.00 23	683.00 22	534.00 21	397.00 22	340.00 22	312.00 21

## 03333700 WILDCAT CREEK AT KOKOMO, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	2320.00	24	1730.00	24	1430.00	23	992.00	19	763.00	20	509.00	22	367.00	25	321.00	25	270.00	24
1972	4230.00	10	3950.00	7	2520.00	9	1440.00	13	994.00	12	576.00	19	430.00	19	369.00	21	341.00	19
1973	3280.00	18	2610.00	19	1560.00	21	1330.00	17	1010.00	10	691.00	12	585.00	10	535.00	9	565.00	3
1974	6070.00	5	5040.00	2	3620.00	2	2580.00	1	1500.00	2	1140.00	1	998.00	1	875.00	1	788.00	1
1975	3800.00	16	2960.00	14	1720.00	17	984.00	20	649.00	24	483.00	23	411.00	21	436.00	16	395.00	12
1976	4770.00	7	3570.00	9	2350.00	12	1820.00	6	1200.00	7	707.00	11	547.00	13	454.00	14	327.00	20
1977	1210.00	29	944.00	29	752.00	29	569.00	29	439.00	28	336.00	28	284.00	27	223.00	29	175.00	29
1978	3780.00	17	3290.00	12	2770.00	5	2110.00	3	1460.00	3	884.00	5	681.00	6	566.00	8	483.00	6
1979	3920.00	14	3170.00	13	2050.00	14	1470.00	11	971.00	13	765.00	9	541.00	14	432.00	17	381.00	14
1980	6960.00	2	4880.00	3	2790.00	4	1570.00	8	931.00	14	681.00	13	660.00	7	607.00	5	459.00	7
1981	1610.00	26	1300.00	26	1020.00	27	726.00	27	574.00	25	454.00	25	369.00	24	326.00	24	275.00	23
1982	4070.00	13	3520.00	10	2480.00	10	1910.00	5	1630.00	1	1130.00	2	886.00	2	768.00	2	581.00	2
1983	3880.00	15	2720.00	18	1700.00	18	975.00	21	781.00	19	582.00	18	452.00	18	370.00	20	393.00	13
1984	2600.00	22	2000.00	23	1680.00	19	1390.00	14	876.00	16	669.00	15	548.00	12	484.00	12	410.00	11
1985	6970.00	1	5600.00	1	3360.00	3	2110.00	4	1400.00	5	910.00	4	639.00	9	575.00	6	425.00	9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	118.00	3
1958	370.00	25
1959	388.00	27
1960	196.00	11
1961	143.00	6
1962	247.00	19
1963	159.00	7
1964	99.00	2
1965	199.00	12
1966	142.00	5
1967	192.00	10
1968	220.00	15
1969	183.00	8
1970	208.00	14
1971	236.00	17
1972	124.00	4
1973	413.00	28
1974	425.00	29
1975	249.00	20
1976	269.00	22
1977	93.00	1
1978	273.00	23
1979	224.00	16
1980	245.00	18
1981	190.00	9
1982	387.00	26
1983	203.00	13
1984	281.00	24
1985	258.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	171.00	24
1957	276.00	8
1958	344.00	4
1959	300.00	6
1960	153.00	26
1961	184.00	22
1962	227.00	15
1963	122.00	28
1964	189.00	20
1965	143.00	27
1966	90.00	30
1967	233.00	12
1968	206.00	19
1969	188.00	21
1970	243.00	10
1971	177.00	23
1972	222.00	17
1973	387.00	2
1974	440.00	1
1975	232.00	13
1976	207.00	18
1977	111.00	29
1978	308.00	5
1979	227.00	16
1980	296.00	7
1981	170.00	25
1982	344.00	3
1983	229.00	14
1984	236.00	11
1985	250.00	9



03333700 WILDCAT CREEK AT KOKOMO, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1956	119.00	304.00	119.00	43.50	400.00	269.00	104.00	342.00	243.00	70.50	34.80	12.80
1957	11.20	15.50	32.30	105.00	259.00	197.00	1117.0	345.00	548.00	508.00	60.90	141.00
1958	171.00	258.00	928.00	170.00	60.80	121.00	97.10	89.60	1432.0	377.00	369.00	40.20
1959	27.90	327.00	133.00	494.00	946.00	387.00	801.00	385.00	72.70	29.10	31.30	34.30
1960	32.30	49.00	151.00	229.00	333.00	222.00	245.00	141.00	111.00	244.00	52.30	31.30
1961	25.90	26.80	17.90	16.50	66.10	721.00	879.00	279.00	60.80	37.00	49.00	30.40
1962	33.20	69.10	47.00	560.00	324.00	610.00	105.00	100.00	125.00	606.00	79.80	52.00
1963	83.10	61.50	42.40	29.30	32.60	573.00	289.00	115.00	71.50	106.00	31.80	23.10
1964	16.00	20.70	13.80	26.00	25.80	439.00	1076.0	144.00	134.00	328.00	28.90	21.90
1965	18.60	23.90	22.30	35.60	205.00	362.00	541.00	185.00	93.10	50.30	34.30	160.00
1966	62.10	61.30	69.40	172.00	163.00	130.00	71.70	158.00	102.00	30.50	25.20	35.90
1967	22.30	36.40	610.00	213.00	302.00	693.00	407.00	349.00	67.10	37.70	27.10	22.10
1968	28.30	23.90	594.00	304.00	609.00	180.00	253.00	180.00	160.00	56.70	57.30	34.30
1969	16.30	88.00	206.00	639.00	373.00	142.00	282.00	154.00	58.90	88.30	84.80	142.00
1970	469.00	533.00	169.00	118.00	171.00	231.00	504.00	379.00	69.40	110.00	99.70	57.60
1971	171.00	206.00	150.00	90.80	597.00	429.00	77.00	186.00	78.20	60.30	37.30	67.90
1972	36.90	30.80	435.00	241.00	79.10	151.00	988.00	145.00	115.00	134.00	42.30	272.00
1973	327.00	901.00	461.00	381.00	305.00	892.00	454.00	135.00	281.00	76.20	383.00	49.00
1974	68.90	552.00	767.00	1375.0	462.00	489.00	628.00	575.00	194.00	61.80	59.50	38.20
1975	30.60	29.40	154.00	380.00	598.00	274.00	279.00	425.00	445.00	68.60	66.50	69.90
1976	41.40	46.60	230.00	189.00	1056.0	358.00	104.00	62.50	113.00	245.00	42.80	31.40
1977	29.10	22.80	22.70	21.10	32.50	375.00	280.00	180.00	37.40	31.50	139.00	153.00
1978	305.00	98.20	719.00	111.00	59.60	1121.0	577.00	283.00	95.30	195.00	55.20	34.40
1979	23.80	50.30	112.00	133.00	243.00	881.00	454.00	72.50	66.30	310.00	324.00	52.30
1980	57.60	275.00	253.00	163.00	190.00	720.00	539.00	165.00	893.00	90.30	166.00	50.40
1981	37.00	27.00	22.10	22.50	222.00	67.40	243.00	549.00	284.00	125.00	152.00	300.00
1982	193.00	140.00	177.00	460.00	659.00	1376.0	502.00	172.00	259.00	72.20	95.90	36.70
1983	30.40	87.30	698.00	167.00	195.00	126.00	547.00	599.00	165.00	69.70	27.00	26.20
1984	37.30	113.00	490.00	58.20	495.00	754.00	377.00	286.00	107.00	56.80	37.70	33.90
1985	40.50	140.00	221.00	303.00	894.00	653.00	390.00	90.60	130.00	66.30	88.10	38.20

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
27.40	28.80	45.80	54.50	142.00	193.00
FIFTIETH PERCENTILE					
36.90	65.30	162.00	169.00	281.00	381.00
SEVENTY FIFTH PERCENTILE					
92.10	219.00	468.00	323.00	521.00	700.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
245.00	140.00	72.40	56.80	34.70	31.40
FIFTIETH PERCENTILE					
399.00	180.00	114.00	74.20	56.20	38.20
SEVENTY FIFTH PERCENTILE					
555.00	346.00	247.00	207.00	96.80	68.40

## 03334000 WILDCAT CREEK AT OWASCO, IN

LOCATION.--Lat 40°27'50", long 86°38'15", in SE¼SE¼ sec.4, T.23 N., R.2 W., Carroll County, Hydrologic Unit 05120107, on left bank 500 ft downstream from bridge on State Highway 39, 0.5 mi northwest of Owasco, and 15 mi upstream from South Fork Wildcat Creek.

DRAINAGE AREA.--396 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station). Prior to March 1944 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 624.63 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1950, nonrecording gage at site 500 ft upstream at same datum.

REMARKS.--Some regulation at low stages for municipal water supply by regulation of Kokomo Reservoirs No. 1 and No. 2; combined capacity, 4,170 acre-ft.

AVERAGE DISCHARGE.--30 years, 356 ft<sup>3</sup>/s, 12.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft<sup>3</sup>/s Jan. 5, 1950, gage height, 13.30 ft from rating curve extended above 6,700 ft<sup>3</sup>/s; minimum daily, 11 ft<sup>3</sup>/s Sept. 25, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 14.00 ft, from floodmarks.

## DURATION TABLE OF DAILY MEAN DISCHARGE FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1945		1	10	14	41	36	40	14	10	10	13		6	18	13	20	21	24	11	15	9	6	7	6	6	4	2	3	2	1	2						
1946				11	13	14	11	5	14	12	21	26	37	31	30	19	18	13	20	6	19	12	11	8	3	6	4	1									
1947		8	3	4	4	28	39	18	20	33	23	21	24	13	10	14	13	20	12	15	10	8	3	8	5	2	2	3	2								
1948				2	9	23	43	39	27	22	15	24	14	16	13	20	12	7	13	12	13	6	3	7	5	6	5	7	2	1							
1949		1		4	14	36	16	13	16	21	16	31	20	15	27	32	15	19	11	5	5	7	8	12	6	2	5	2	4	1	1						
1950				1	4	8	16	9	4	13	22	29	27	21	15	19	19	11	21	17	18	20	11	12	5	10	11	2	8	8	2			1	1		
1951					12	22	10	10	16	25	19	28	31	13	20	23	21	16	16	14	18	9	7	7	14	8	1	5									
1952					8	13	12	32	16	12	7	26	14	11	12	19	20	21	22	22	18	22	17	14	9	5	7	5	2								
1953					3	11	25	46	15	12	14	10	20	22	25	34	20	23	20	14	19	11	5	6	5	2	3										
1954		13	7	27	47	75	13	19	22	23	14	24	25	11	11	8	7	5	4	2	1	3	4														
1955		1		10	8	8	7	28	33	39	12	28	17	20	28	26	19	21	11	14	5	12	6	2	3	2	4	1									
1956				13	10	9	11	10	12	25	26	35	35	17	23	29	15	19	15	14	10	16	5	6	6	2	3										
1957				23	11	23	12	15	24	12	9	18	24	17	21	19	17	12	11	9	15	15	16	10	7	7	6	8	4								
1958							2	6	20	19	47	48	32	30	26	21	22	12	11	13	8	6	9	4	7	7	4	4			1	3	3				
1959						4	22	50	36	13	8	28	19	8	9	18	15	15	29	14	20	6	10	3	3	6	2	3	2	2	2	1	1				
1960						5	2	23	27	28	34	53	27	39	28	17	27	13	11	7	7	6	6	2	4												
1961						35	66	46	36	21	10	29	13	17	9	11	6	5	7	11	6	8	4	5	8	6	1	2	3								
1962						1	6	24	10	29	36	33	22	31	29	22	28	20	16	10	8	8	9	4	6	3	3	1	3	2			1				
1963						10	17	17	30	36	35	29	28	38	22	13	17	8	3	12	11	11	8	6	8	1	2				2		1				
1964						15	31	50	46	37	17	25	10	18	10	12	5	9	9	10	11	5	7	5	8	9	5	5	2	2			1	1		1	
1965						11	9	38	40	37	33	21	9	20	16	12	8	16	23	15	12	5	9	7	9	6	5	2	2								
1966						19	41	21	19	36	27	41	33	24	39	24	23	5	6	2	1	3	1														
1967						8	67	32	19	13	14	13	19	17	18	14	19	12	13	11	13	11	9	12	10	12	4	1	1	2			1				
1968						9	24	34	24	36	19	31	27	19	22	23	17	19	15	11	9	7	4	1	4			1	2	5	1	2					
1969						15	34	23	12	18	37	24	25	26	43	31	23	17	11	4	5	6	2	2			1	2		1	3						
1970								12	19	31	36	26	26	23	43	43	27	18	16	10	9	7	3	2	5	5	2	1	1								
1971						10	17	25	18	23	47	29	33	36	45	26	9	7	12	3	5	6	5	1	5	2			1								
1972						1	12	38	41	20	52	29	26	22	22	23	13	14	8	9	12	7	2	4	6	1	1			2	1						
1973									15	22	15	9	9	24	43	33	26	21	31	29	28	12	15	11	13	5	3	1									

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10592	100.00	12	100.0	843	6634	62.63	24	1200.0	184	686	6.48
1	11.0	1	10592	100.00	13	130.0	698	5791	54.67	25	1500.0	141	502	4.74
2	13.0	33	10591	99.99	14	160.0	559	5093	48.08	26	1800.0	118	361	3.41
3	17.0	24	10558	99.68	15	190.0	608	4534	42.81	27	2200.0	90	243	2.29
4	20.0	172	10534	99.45	16	230.0	686	3926	37.07	28	2700.0	57	153	1.44
5	25.0	244	10362	97.83	17	290.0	540	3240	30.59	29	3300.0	47	96	0.91
6	30.0	550	10118	95.52	18	350.0	463	2700	25.49	30	4100.0	21	49	0.46
7	37.0	567	9568	90.33	19	430.0	391	2237	21.12	31	5000.0	14	28	0.26
8	46.0	625	9001	84.98	20	530.0	347	1846	17.43	32	6100.0	7	14	0.13
9	56.0	579	8376	79.08	21	650.0	306	1499	14.15	33	7500.0	5	7	0.07
10	69.0	638	7797	73.61	22	800.0	294	1193	11.26	34	9200.0	2	2	0.02
11	85.0	525	7159	67.59	23	980.0	213	899	8.49					

## 03334000 WILDCAT CREEK AT OMASCO, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 30.7  
 P90 = 37.6  
 P75 = 65.7  
 P70 = 78.6  
 P50 = 151.0  
 P25 = 359.0  
 P10 = 882.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	11.00 1	12.00 1	14.00 1	15.00 1	16.00 1	16.00 1	18.00 1	19.00 1	22.00 1
1946	31.00 18	34.00 19	35.00 18	38.00 18	55.00 23	84.00 25	106.00 21	197.00 28	202.00 24
1947	14.00 2	14.00 2	17.00 3	18.00 3	22.00 4	30.00 6	34.00 6	38.00 6	52.00 6
1948	23.00 11	30.00 15	34.00 17	37.00 17	40.00 17	44.00 13	59.00 14	56.00 12	65.00 11
1949	22.00 8	26.00 12	27.00 11	30.00 12	35.00 13	39.00 11	57.00 13	67.00 14	113.00 17
1950	15.00 4	23.00 8	25.00 10	28.00 10	30.00 8	44.00 14	109.00 23	119.00 20	134.00 20
1951	26.00 14	30.00 16	31.00 14	36.00 16	39.00 16	97.00 26	148.00 27	168.00 25	195.00 23
1952	27.00 15	28.00 13	28.00 12	30.00 11	32.00 11	32.00 8	38.00 9	49.00 10	97.00 15
1953	43.00 25	44.00 24	47.00 24	49.00 23	50.00 21	57.00 19	85.00 19	88.00 18	142.00 21
1954	22.00 9	23.00 9	23.00 7	23.00 5	27.00 6	30.00 7	31.00 3	31.00 2	42.00 3
1955	14.00 3	14.00 3	15.00 2	16.00 2	20.00 2	29.00 3	32.00 4	53.00 11	59.00 9
1956	22.00 10	22.00 7	24.00 8	25.00 7	31.00 9	45.00 15	111.00 24	168.00 26	195.00 22
1957	20.00 5	20.00 4	21.00 4	21.00 4	22.00 3	25.00 2	28.00 2	35.00 5	49.00 5
1958	53.00 28	54.00 28	57.00 28	59.00 28	80.00 28	166.00 29	189.00 29	248.00 29	435.00 29
1959	45.00 27	47.00 25	49.00 26	54.00 25	55.00 24	62.00 20	106.00 22	194.00 27	287.00 28
1960	34.00 20	35.00 20	36.00 19	39.00 19	47.00 19	65.00 21	69.00 17	77.00 16	91.00 13
1961	30.00 17	31.00 17	33.00 16	34.00 15	38.00 14	43.00 12	44.00 11	45.00 9	58.00 7
1962	32.00 19	34.00 18	36.00 20	40.00 20	45.00 18	53.00 18	64.00 16	82.00 17	97.00 16
1963	25.00 12	25.00 10	25.00 9	26.00 8	38.00 15	45.00 16	51.00 12	65.00 13	80.00 12
1964	20.00 6	20.00 5	21.00 5	24.00 6	26.00 5	30.00 4	34.00 7	33.00 3	41.00 2
1965	21.00 7	21.00 6	22.00 6	26.00 9	28.00 7	30.00 5	33.00 5	35.00 4	44.00 4
1966	39.00 21	40.00 21	45.00 23	49.00 24	51.00 22	80.00 23	82.00 18	126.00 21	125.00 19
1967	29.00 16	30.00 14	31.00 15	32.00 14	34.00 12	37.00 10	39.00 10	41.00 7	63.00 10
1968	25.00 13	26.00 11	29.00 13	31.00 13	32.00 10	34.00 9	38.00 8	43.00 8	58.00 8
1969	41.00 23	43.00 23	44.00 22	46.00 21	50.00 20	53.00 17	62.00 15	75.00 15	115.00 18
1970	43.00 24	47.00 26	48.00 25	57.00 26	67.00 27	126.00 27	144.00 26	146.00 23	204.00 26
1971	61.00 29	64.00 29	66.00 29	72.00 29	82.00 29	143.00 28	167.00 28	162.00 24	203.00 25
1972	39.00 22	41.00 22	43.00 21	48.00 22	56.00 25	75.00 22	90.00 20	89.00 19	96.00 14
1973	44.00 26	48.00 27	52.00 27	57.00 27	63.00 26	82.00 24	119.00 25	145.00 22	259.00 27

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1945	3480.00 18	3180.00 17	2190.00 18	1270.00 24	827.00 25	740.00 23	649.00 20	582.00 19	429.00 22
1946	2750.00 23	2460.00 24	1680.00 26	1150.00 26	843.00 24	701.00 24	705.00 17	599.00 18	548.00 14
1947	3570.00 17	3270.00 15	2380.00 16	1620.00 18	1210.00 17	1040.00 12	842.00 12	670.00 15	539.00 15
1948	4270.00 12	3550.00 13	2980.00 13	2190.00 9	2170.00 4	1360.00 5	1060.00 6	861.00 7	670.00 9
1949	5990.00 7	4930.00 9	3110.00 8	2550.00 5	2010.00 5	1530.00 3	1140.00 4	932.00 6	675.00 8
1950	9850.00 1	7870.00 2	5120.00 2	4550.00 2	3170.00 1	2400.00 1	1820.00 1	1680.00 1	1240.00 1
1951	3100.00 21	2980.00 19	2450.00 15	1860.00 12	1200.00 18	922.00 14	803.00 13	755.00 11	693.00 7
1952	3310.00 20	3030.00 18	2000.00 21	1710.00 15	1290.00 13	1110.00 10	1040.00 7	997.00 5	903.00 2
1953	2680.00 24	2560.00 23	1750.00 24	1360.00 22	1050.00 21	837.00 17	709.00 16	609.00 17	528.00 16
1954	1140.00 28	1070.00 28	792.00 28	513.00 28	343.00 28	289.00 28	261.00 28	231.00 28	178.00 29
1955	2960.00 22	2390.00 25	1680.00 25	1170.00 25	746.00 26	607.00 26	545.00 25	527.00 24	429.00 23
1956	2680.00 25	2680.00 22	2170.00 19	1510.00 20	893.00 23	611.00 25	485.00 26	570.00 21	430.00 21
1957	3730.00 15	3220.00 16	3010.00 11	2240.00 8	1900.00 6	1260.00 7	1130.00 5	1100.00 3	841.00 5
1958	9000.00 4	8730.00 1	7380.00 1	4560.00 1	2590.00 2	1680.00 2	1340.00 2	1040.00 4	750.00 6
1959	9140.00 3	7350.00 4	4440.00 4	2630.00 4	2210.00 3	1450.00 4	1200.00 3	1200.00 2	902.00 3
1960	2190.00 27	2040.00 27	1590.00 27	985.00 27	651.00 27	538.00 27	483.00 27	448.00 27	388.00 26

## WABASH RIVER BASIN

03334000 WILDCAT CREEK AT OMASCO, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	3840.00	14	3560.00	12	3040.00	10	2170.00	10	1480.00	8	1150.00	8	926.00	10	734.00	13	520.00	17
1962	7220.00	5	5490.00	6	3090.00	9	1740.00	14	1270.00	14	1120.00	9	934.00	9	758.00	10	626.00	11
1963	6500.00	6	5260.00	7	2980.00	12	1800.00	13	1240.00	15	829.00	18	626.00	21	508.00	25	384.00	27
1964	9200.00	2	7550.00	3	4470.00	3	2660.00	3	1820.00	7	1300.00	6	945.00	8	783.00	9	594.00	12
1965	2460.00	26	2160.00	26	1940.00	23	1350.00	23	987.00	22	785.00	21	662.00	19	580.00	20	423.00	24
1966	992.00	29	890.00	29	660.00	29	444.00	29	301.00	29	253.00	29	243.00	29	226.00	29	219.00	28
1967	5030.00	11	4020.00	11	2840.00	14	1680.00	17	1210.00	16	879.00	16	794.00	15	739.00	12	665.00	10
1968	5490.00	10	4940.00	8	3900.00	5	2330.00	6	1310.00	12	1060.00	11	798.00	14	692.00	14	569.00	13
1969	5970.00	8	5660.00	5	3870.00	6	2300.00	7	1470.00	9	918.00	15	697.00	18	639.00	16	500.00	19
1970	4120.00	13	3290.00	14	2100.00	20	1370.00	21	1080.00	20	788.00	20	614.00	23	543.00	22	493.00	20
1971	3680.00	16	2900.00	20	2350.00	17	1600.00	19	1180.00	19	778.00	22	563.00	24	503.00	26	412.00	25
1972	5830.00	9	4860.00	10	3280.00	7	1970.00	11	1390.00	11	820.00	19	621.00	22	527.00	23	515.00	18
1973	3440.00	19	2790.00	21	1980.00	22	1690.00	16	1430.00	10	1020.00	13	875.00	11	836.00	8	849.00	4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	238.00	7
1946	441.00	23
1947	189.00	3
1948	395.00	19
1949	510.00	25
1950	610.00	27
1951	478.00	24
1952	413.00	20
1953	421.00	21
1954	167.00	1
1955	234.00	6
1956	304.00	12
1957	210.00	4
1958	614.00	28
1959	682.00	29
1960	330.00	15
1961	241.00	8
1962	430.00	22
1963	269.00	10
1964	178.00	2
1965	332.00	16
1966	249.00	9
1967	298.00	11
1968	350.00	17
1969	315.00	13
1970	328.00	14
1971	381.00	18
1972	210.00	5
1973	609.00	26

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1945	241.00	26
1946	355.00	13
1947	301.00	20
1948	372.00	11
1949	390.00	10
1950	733.00	1
1951	408.00	7
1952	518.00	4
1953	323.00	16
1954	104.00	29
1955	279.00	24
1956	313.00	19
1957	480.00	6
1958	583.00	3
1959	500.00	5
1960	281.00	23
1961	285.00	21
1962	392.00	8
1963	229.00	27
1964	318.00	18
1965	250.00	25
1966	150.00	28
1967	362.00	12
1968	335.00	14
1969	322.00	17
1970	391.00	9
1971	281.00	22
1972	333.00	15
1973	600.00	2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	*	*	*	*	*	*	1515.0	587.00	105.00	27.50	17.30	16.00
1945	20.00	30.30	25.90	24.60	94.70	399.00	638.00	793.00	466.00	130.00	102.00	167.00
1946	523.00	136.00	314.00	653.00	632.00	740.00	177.00	503.00	427.00	90.20	47.60	26.80
1947	33.80	43.90	76.00	316.00	285.00	251.00	868.00	802.00	731.00	76.80	49.20	88.80
1948	41.00	47.60	90.30	418.00	328.00	1204.0	1368.0	457.00	226.00	150.00	94.20	42.70
1949	34.90	168.00	328.00	1949.0	1018.0	328.00	268.00	141.00	84.80	229.00	127.00	30.60
1950	374.00	134.00	630.00	3083.0	1362.0	864.00	1156.0	294.00	248.00	157.00	39.90	483.00
1951	88.90	437.00	672.00	621.00	1098.0	507.00	723.00	389.00	120.00	210.00	47.10	32.90
1952	40.00	137.00	350.00	952.00	934.00	1034.0	1015.0	984.00	374.00	163.00	95.50	151.00
1953	53.70	115.00	329.00	452.00	331.00	984.00	626.00	433.00	202.00	206.00	101.00	37.30
1954	28.30	32.00	33.00	66.30	82.20	154.00	317.00	120.00	327.00	41.50	37.10	20.60
1955	115.00	62.00	163.00	627.00	216.00	749.00	453.00	205.00	237.00	407.00	59.60	35.10
1956	236.00	544.00	215.00	93.50	682.00	505.00	196.00	652.00	449.00	110.00	67.60	26.60
1957	24.70	40.20	72.50	195.00	359.00	341.00	1857.0	651.00	694.00	1158.0	145.00	235.00
1958	251.00	369.00	1325.0	300.00	147.00	213.00	172.00	151.00	2536.0	721.00	707.00	87.80
1959	55.50	422.00	210.00	872.00	1725.0	644.00	1201.0	627.00	137.00	75.60	76.20	69.60
1960	89.10	124.00	257.00	364.00	585.00	372.00	432.00	304.00	166.00	383.00	232.00	67.00

## 03334000 WILDCAT CREEK AT OMASCO, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1961	44.30	49.30	39.50	49.60	102.00	1006.0	1236.0	494.00	128.00	81.30	134.00	52.80
1962	62.40	155.00	104.00	1050.0	574.00	1094.0	260.00	237.00	216.00	751.00	119.00	71.20
1963	142.00	102.00	73.10	41.30	50.00	1135.0	453.00	242.00	157.00	237.00	66.40	31.10
1964	29.60	42.00	31.70	59.20	56.00	721.00	1783.0	302.00	279.00	436.00	50.80	33.30
1965	27.90	39.80	41.70	91.50	358.00	575.00	981.00	327.00	169.00	124.00	51.30	244.00
1966	126.00	115.00	143.00	252.00	235.00	241.00	152.00	264.00	143.00	50.50	40.90	43.50
1967	34.30	71.40	920.00	333.00	519.00	997.00	694.00	524.00	125.00	57.30	37.60	33.00
1968	49.10	52.50	914.00	446.00	1022.0	271.00	392.00	348.00	271.00	112.00	102.00	62.00
1969	50.10	169.00	327.00	1016.0	702.00	259.00	466.00	228.00	111.00	173.00	174.00	214.00
1970	670.00	815.00	248.00	193.00	280.00	372.00	834.00	612.00	150.00	188.00	226.00	105.00
1971	252.00	314.00	227.00	146.00	949.00	624.00	137.00	313.00	156.00	100.00	56.40	145.00
1972	86.50	67.00	711.00	381.00	142.00	213.00	1372.0	260.00	211.00	188.00	71.40	305.00
1973	534.00	1176.0	769.00	659.00	502.00	1270.0	709.00	287.00	533.00	182.00	487.00	89.30
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
34.60	48.40	74.50	120.00	182.00	300.00
FIFTIETH PERCENTILE					
55.50	115.00	227.00	364.00	359.00	575.00
SEVENTY FIFTH PERCENTILE					
189.00	242.00	490.00	656.00	818.00	991.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
305.00	256.00	142.00	88.00	48.80	33.00
FIFTIETH PERCENTILE					
666.00	338.00	214.00	160.00	73.80	64.50
SEVENTY FIFTH PERCENTILE					
1167.00	593.00	387.00	231.00	129.00	147.00

## 03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN

LOCATION.--Lat 40°25'04", long 86°46'05", in SW¼SW¼ sec.21, T.23 N., R.3 W., Tippecanoe County, Hydrologic Unit 05120107, on right bank 40 ft upstream from bridge on State Highway 26, 0.5 mi upstream from Middle Fork, 4.4 mi upstream from mouth, and 5 mi east of Lafayette.

DRAINAGE AREA.--243 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1985. Prior to March 1944 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 566.60 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to July 29, 1954, nonrecording gage at site 40 ft downstream at same datum.

AVERAGE DISCHARGE.--42 years, 240 ft<sup>3</sup>/s, 13.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft<sup>3</sup>/s May 2, 1983, gage height, 15.68 ft, from rating curve extended above 6,000 ft<sup>3</sup>/s on basis of contracted-opening measurement at 16.8 ft; minimum daily, 15 ft<sup>3</sup>/s Sept. 19, 22, 1944, Aug. 30, 31, Sept. 1, 14, 15, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 16.8 ft, from floodmarks, discharge, 17,900 ft<sup>3</sup>/s by contracted-opening measurement.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1945			12	77	50	16	15	18	11	18	13	21	11	24	21	10	8	7	5	7	3	5	3	1	3	2	3		1								
1946			1	26	4	14	11	16	6	15	30	51	32	38	26	22	12	12	12	9	7	8	4	2	2	3		1		1							
1947			4	11	14	37	30	30	29	39	15	23	15	18	22	19	15	4	11	6	7	3	2	2	4		2	2	1								
1948			2	7	66	54	30	10	16	16	28	20	19	14	11	10	8	8	6	6	5	6	9	2	5	3	3	2									
1949			6	29	8	23	23	27	17	21	22	21	23	29	19	22	12	8	6	10	9	7	4	5	1	2	2	1	1	1							
1950			2	2	7	17	9	19	28	20	40	22	18	20	19	13	13	17	18	23	9	11	4	7	7	4	8	4	1	1		1		1			
1951				7	12	17	11	23	30	21	52	26	34	27	21	16	17	6	7	13	5	4	2	8	5		1										
1952				2	21	22	17	16	20	15	23	11	23	39	33	15	24	17	14	10	10	15	4	2	6	4	3										
1953				7	17	39	20	8	15	7	41	32	45	31	19	18	14	10	9	8	9	6	3	1	3	1	1	1									
1954			5	34	46	60	45	20	24	30	23	33	8	8	5	5	2	3	5	1																	
1955			9	9	15	11	22	45	19	26	15	24	19	21	38	22	18	13	11	7	6	6	5			2		2									
1956			7	19	18	8	10	31	29	30	29	34	29	28	26	16	14	8	9	6	4	5	2	3	1												
1957			14	37	17	11	22	19	10	14	14	36	19	14	19	10	13	9	17	14	7	12	8	8	7	7	3	1	3								
1958									2	34	28	38	65	26	23	26	24	15	11	13	8	10	7	9	4	4	3	2	5	2	2	1	1	1	1		
1959									14	32	17	24	45	31	19	18	13	18	19	25	21	9	9	13	10	5	7	3	4	3	2	2		1	1		
1960									6	10	10	8	41	53	39	62	28	28	14	16	12	3	12	4	7	5	3	1	3	1							
1961																																					
1962				6	33	85	28	29	15	17	18	27	10	15	11	9	8	6	11	6	7	5	5	2	5	1	1										
1963				6	29	37	25	42	21	44	21	21	33	14	16	15	4	11	7	4	5	5	2	2	3	1	1		1								
1964				31	25	44	52	61	31	17	14	20	8	9	5	8	11	4	9	3	3	1	4	1	1				1	1	1						
1965			2	34	63	44	18	16	19	13	19	14	22	9	12	12	16	11	4	3	6	7	6	7	2	1	2		1		1			1	1		
1966				22	24	60	39	21	17	18	22	20	10	22	20	15	9	9	4	11	5	3	4	4	2	2	1	1									
1967			21	21	18	10	12	29	40	54	34	36	27	24	12	13	3	6			3	1	1														
1968			9	71	30	13	15	7	15	15	18	26	12	21	13	16	16	13	12	12	7	8	4	7		2	1		1	1							
1969			1	6	7	35	34	22	28	27	24	33	17	25	18	16	15	14	9	7	8	3	6	1		2	3	2	1	1				1			
1970									1	10	17	36	18	17	19	20	39	25	33	32	21	17	8	13	11	8	4	6		4	1	2		1	2		
1971									3	8	14	18	18	37	19	51	17	24	30	20	17	15	12	12	7	14	10	6	4	1	6	1	1				
1972									7	23	18	18	35	36	67	25	40	17	22	11	9	9	8	5	3	3	2	2	1	3			1				
1973									8	36	32	22	22	45	48	19	25	26	16	11	10	9	10	6	5	4	3		4	2	2	1					
1974									2	31	12	13	9	26	20	19	35	31	25	28	29	23	15	12	13	5	2	11	2	2							
1975									21	34	30	24	12	15	8	14	21	21	29	22	26	12	10	8	14	11	7	11	7	3	1	3	1				
1976									24	33	36	20	10	21	21	43	35	33	24	17	10	8	9	4	9	1	1	2		2		1	1				
1977									17	21	17	54	50	27	18	39	17	23	18	15	8	4	6	5	3	4	5	3	4	4	1	1		2			
1978			51	19	24	79	19	24	11	15	19	35	12	12	14	8	9	3	5	3	2																
1979									5	16	22	19	41	30	49	23	18	17	20	13	15	11	10	5	11	2	3	7	6	3	2	1				1	
1980									21	51	24	35	37	24	28	15	19	19	19	20	7	10	9	6	7	3	4	2	1	2	2						
1981									1	15	30	31	33	32	50	37	26	19	8	7	11	8	12	10	12	11	6	1	2		2	1			1		
1982									25	92	46	33	18	24	27	13	13	10	14	10	10	9	2	2	5	4	2		2	1	1			1	1		
1983									2	24	14	13	17	12	53	32	36	20	22	23	17	15	14	9	11	9	2	6	6	2	4	2					
1984									3	24	23	35	21	18	6	8	27	31	39	30	19	20	12	10	13	5	5	3	2	3		1				1	
1985									1	12	19	31	28	37	25	15	31	11	30	25	14	16	17	11	12	5	5	4	3	6	2	1					
1986									23	37	22	23	29	43	21	32	20	19	21	17	7	9	6	6	4	8	1	5	3	2	3		1		1	1	1

## 03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14975	100.00	12	130.0	794	6528	43.59	24	1300.0	105	440	2.94
1	15.0	2	14975	100.00	13	150.0	970	5734	38.29	25	1500.0	128	335	2.24
2	18.0	174	14973	99.99	14	180.0	882	4764	31.81	26	1900.0	72	207	1.38
3	22.0	490	14799	98.82	15	220.0	721	3882	25.92	27	2300.0	62	135	0.90
4	27.0	511	14309	95.55	16	270.0	573	3161	21.11	28	2800.0	27	73	0.49
5	32.0	889	13798	92.14	17	330.0	447	2588	17.28	29	3300.0	20	46	0.31
6	39.0	1057	12909	86.20	18	400.0	421	2141	14.30	30	4100.0	11	26	0.17
7	48.0	1022	11852	79.15	19	490.0	369	1720	11.49	31	4900.0	4	15	0.10
8	58.0	954	10830	72.32	20	590.0	293	1351	9.02	32	6000.0	6	11	0.07
9	70.0	1055	9876	65.95	21	710.0	246	1058	7.07	33	7300.0	3	5	0.03
10	85.0	855	8821	58.90	22	870.0	241	812	5.42	34	8800.0	2	2	0.01
11	100.0	1438	7966	53.20	23	1100.0	131	571	3.81					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 27.8  
 P90 = 34.5  
 P75 = 54.1  
 P70 = 62.4  
 P50 = 110.0  
 P25 = 230.0  
 P10 = 550.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	15.00 1	16.00 1	16.00 1	16.00 1	17.00 1	18.00 1	20.00 1	22.00 1	23.00 1
1946	24.00 13	25.00 14	26.00 14	33.00 19	36.00 19	47.00 25	77.00 31	134.00 35	140.00 34
1947	21.00 11	21.00 11	22.00 12	22.00 10	24.00 9	27.00 8	31.00 8	34.00 8	44.00 7
1948	27.00 20	28.00 20	30.00 20	34.00 22	37.00 20	38.00 16	44.00 16	49.00 14	58.00 12
1949	25.00 14	26.00 15	28.00 17	33.00 20	43.00 29	48.00 28	78.00 32	83.00 27	119.00 28
1950	20.00 7	20.00 7	21.00 9	22.00 11	23.00 8	29.00 9	40.00 13	51.00 15	77.00 18
1951	31.00 24	31.00 24	33.00 25	38.00 28	41.00 26	73.00 38	156.00 41	152.00 39	198.00 37
1952	29.00 21	29.00 21	30.00 21	32.00 18	37.00 21	38.00 17	45.00 17	66.00 22	121.00 30
1953	39.00 36	40.00 36	41.00 36	45.00 36	47.00 35	54.00 30	80.00 35	83.00 28	120.00 29
1954	26.00 19	27.00 18	28.00 18	28.00 16	29.00 14	31.00 10	33.00 9	35.00 10	44.00 8
1955	21.00 12	21.00 12	21.00 10	23.00 12	25.00 10	44.00 21	53.00 21	57.00 19	61.00 14
1956	20.00 8	20.00 8	21.00 11	21.00 6	25.00 11	37.00 15	63.00 26	96.00 30	107.00 25
1957	20.00 9	20.00 9	20.00 7	21.00 7	21.00 3	23.00 2	24.00 2	28.00 5	39.00 5
1958	38.00 34	39.00 35	40.00 35	46.00 37	56.00 39	102.00 41	125.00 40	160.00 40	270.00 41
1959	53.00 41	54.00 41	56.00 41	58.00 41	59.00 41	63.00 35	86.00 36	148.00 38	213.00 38
1960	29.00 22	30.00 22	31.00 22	31.00 17	33.00 17	41.00 18	45.00 18	55.00 17	73.00 15
1961	25.00 15	26.00 16	26.00 15	27.00 14	29.00 15	32.00 13	33.00 10	34.00 9	45.00 9
1962	32.00 25	32.00 25	32.00 23	34.00 21	36.00 18	47.00 26	59.00 24	73.00 25	87.00 20
1963	25.00 16	25.00 13	25.00 13	26.00 13	32.00 16	37.00 14	39.00 12	44.00 13	55.00 11
1964	18.00 5	18.00 4	18.00 2	19.00 2	22.00 5	24.00 4	25.00 3	25.00 2	33.00 3
1965	17.00 2	17.00 2	18.00 3	19.00 3	22.00 6	24.00 5	25.00 4	28.00 3	34.00 4
1966	33.00 27	33.00 26	36.00 28	36.00 26	39.00 25	51.00 29	65.00 27	102.00 31	113.00 27
1967	18.00 3	18.00 3	19.00 4	20.00 5	21.00 4	24.00 6	25.00 5	28.00 4	45.00 10
1968	20.00 10	20.00 10	20.00 8	22.00 8	23.00 7	24.00 7	27.00 6	30.00 7	40.00 6
1969	38.00 35	38.00 34	39.00 34	40.00 31	43.00 30	46.00 24	62.00 25	72.00 24	103.00 22
1970	26.00 17	27.00 19	29.00 19	35.00 23	37.00 22	63.00 36	79.00 33	93.00 29	145.00 35
1971	30.00 23	31.00 23	33.00 24	35.00 24	47.00 36	79.00 39	111.00 39	134.00 36	124.00 31
1972	35.00 30	36.00 31	36.00 29	40.00 32	46.00 33	58.00 31	71.00 30	77.00 26	107.00 26
1973	35.00 31	36.00 32	37.00 31	40.00 33	47.00 34	73.00 37	110.00 38	136.00 37	218.00 39
1974	47.00 39	47.00 39	48.00 39	49.00 38	52.00 37	61.00 34	68.00 28	109.00 33	150.00 36
1975	41.00 38	41.00 37	42.00 37	44.00 35	45.00 31	48.00 27	52.00 20	53.00 16	84.00 19
1976	50.00 40	51.00 40	52.00 40	54.00 40	56.00 38	58.00 32	70.00 29	104.00 32	136.00 33
1977	18.00 4	19.00 5	19.00 5	19.00 4	19.00 2	23.00 3	27.00 7	29.00 6	31.00 2
1978	19.00 6	20.00 6	20.00 6	22.00 9	25.00 12	31.00 11	44.00 14	67.00 23	105.00 23
1979	35.00 32	36.00 33	37.00 32	38.00 29	39.00 23	41.00 19	49.00 19	57.00 18	76.00 16
1980	34.00 28	35.00 28	36.00 30	37.00 27	45.00 32	59.00 33	79.00 34	122.00 34	133.00 32
1981	35.00 29	35.00 29	35.00 26	36.00 25	39.00 24	42.00 20	44.00 15	43.00 12	60.00 13
1982	40.00 37	43.00 38	45.00 38	52.00 39	58.00 40	85.00 40	100.00 37	199.00 41	229.00 40
1983	36.00 33	36.00 30	38.00 33	40.00 34	42.00 27	45.00 22	56.00 22	63.00 20	105.00 24
1984	26.00 18	26.00 17	27.00 16	28.00 15	29.00 13	31.00 12	36.00 11	41.00 11	76.00 17
1985	32.00 26	33.00 27	35.00 27	39.00 30	42.00 28	45.00 23	58.00 23	63.00 21	98.00 21

03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1945	3170.00 23	2490.00 21	1490.00 27	820.00 34	524.00 35	481.00 31	454.00 26	394.00 27	293.00 33
1946	3650.00 18	1990.00 29	1170.00 34	749.00 36	525.00 34	476.00 32	439.00 28	371.00 30	333.00 27
1947	2950.00 26	2140.00 24	1530.00 26	1020.00 27	655.00 29	612.00 23	507.00 21	413.00 26	325.00 28
1948	3100.00 24	2860.00 16	2000.00 14	1510.00 9	1410.00 4	919.00 6	725.00 6	579.00 10	433.00 11
1949	4200.00 15	2740.00 17	1720.00 22	1430.00 14	1250.00 7	963.00 4	722.00 7	601.00 7	457.00 10
1950	8800.00 2	5770.00 3	3360.00 3	2720.00 2	1860.00 1	1410.00 1	1120.00 1	1020.00 1	742.00 2
1951	2720.00 30	1950.00 31	1570.00 25	1080.00 26	680.00 26	515.00 26	459.00 25	429.00 23	365.00 22
1952	2490.00 34	2130.00 25	1310.00 30	975.00 28	701.00 25	661.00 17	631.00 9	587.00 9	542.00 4
1953	3180.00 22	1970.00 30	1130.00 35	858.00 33	636.00 31	527.00 25	437.00 29	376.00 29	352.00 23
1954	634.00 41	567.00 40	369.00 41	284.00 40	188.00 41	169.00 40	154.00 41	140.00 41	115.00 41
1955	2670.00 31	1820.00 35	1130.00 36	780.00 35	473.00 36	371.00 36	362.00 34	336.00 35	307.00 30
1956	1380.00 38	1020.00 38	823.00 38	555.00 38	420.00 37	293.00 38	237.00 38	254.00 38	219.00 38
1957	3190.00 21	2390.00 22	1910.00 16	1300.00 17	1030.00 13	811.00 9	736.00 5	716.00 4	553.00 3
1958	8600.00 3	6030.00 1	5210.00 1	2960.00 1	1710.00 2	1210.00 2	938.00 2	728.00 3	530.00 7
1959	7150.00 6	4430.00 6	2560.00 8	1440.00 13	1120.00 10	769.00 11	628.00 10	600.00 8	474.00 8
1960	1500.00 37	1300.00 37	1030.00 37	626.00 37	411.00 38	336.00 37	291.00 37	273.00 37	235.00 36
1961	2470.00 35	2030.00 28	1650.00 23	1170.00 22	883.00 15	698.00 14	584.00 13	470.00 18	344.00 24
1962	3500.00 20	2170.00 23	1300.00 31	863.00 32	716.00 24	594.00 24	495.00 23	417.00 25	341.00 26
1963	4720.00 12	3700.00 11	2100.00 13	1210.00 19	815.00 21	510.00 27	371.00 33	292.00 36	230.00 37
1964	8410.00 4	6000.00 2	3270.00 4	1840.00 5	1190.00 9	813.00 8	603.00 12	532.00 14	380.00 20
1965	2510.00 32	1780.00 36	1320.00 29	869.00 31	594.00 33	453.00 34	383.00 32	352.00 31	265.00 35
1966	832.00 40	567.00 41	401.00 40	276.00 41	208.00 40	167.00 41	156.00 40	154.00 39	147.00 39
1967	4060.00 16	3000.00 15	1940.00 15	1150.00 23	656.00 28	489.00 29	433.00 30	446.00 20	388.00 19
1968	6420.00 8	3650.00 12	2400.00 10	1450.00 12	839.00 18	737.00 12	560.00 16	471.00 17	393.00 17
1969	4580.00 13	4070.00 7	2660.00 7	1550.00 8	1040.00 12	674.00 15	527.00 20	496.00 15	393.00 18
1970	2950.00 27	2110.00 26	1780.00 20	1230.00 18	876.00 17	641.00 19	537.00 18	458.00 19	376.00 21
1971	3540.00 19	1890.00 32	1290.00 32	871.00 30	650.00 30	463.00 33	340.00 35	346.00 34	287.00 34
1972	3090.00 25	2690.00 18	1820.00 19	1140.00 24	829.00 20	490.00 28	410.00 31	348.00 33	305.00 31
1973	2440.00 36	1840.00 33	1290.00 33	1080.00 25	881.00 16	656.00 18	578.00 14	547.00 12	541.00 5
1974	4800.00 11	3860.00 10	2770.00 6	1980.00 4	1200.00 8	936.00 5	839.00 3	784.00 2	752.00 1
1975	4380.00 14	3180.00 14	1730.00 21	946.00 29	626.00 32	482.00 30	450.00 27	439.00 22	396.00 16
1976	3970.00 17	2590.00 19	1840.00 18	1490.00 10	1070.00 11	634.00 21	499.00 22	424.00 24	317.00 29
1977	1050.00 39	629.00 39	405.00 39	316.00 39	261.00 39	213.00 39	182.00 39	152.00 40	126.00 40
1978	7600.00 5	3940.00 8	2430.00 9	1830.00 6	1260.00 6	789.00 10	641.00 8	671.00 6	471.00 9
1979	2750.00 29	1830.00 34	1360.00 28	1180.00 21	766.00 23	638.00 20	489.00 24	390.00 28	344.00 25
1980	5200.00 9	3620.00 13	2330.00 11	1410.00 15	807.00 22	623.00 22	574.00 15	543.00 13	410.00 14
1981	5000.00 10	3900.00 9	2200.00 12	1200.00 20	672.00 27	416.00 35	308.00 36	349.00 32	293.00 32
1982	2840.00 28	2500.00 20	1860.00 17	1480.00 11	1380.00 5	994.00 3	795.00 4	686.00 5	534.00 6
1983	11000.00 1	5430.00 5	2890.00 5	1580.00 7	998.00 14	698.00 13	527.00 19	440.00 21	430.00 12
1984	2490.00 33	2030.00 27	1590.00 24	1300.00 16	830.00 19	669.00 16	554.00 17	488.00 16	397.00 15
1985	6500.00 7	5650.00 4	3490.00 2	2130.00 3	1410.00 3	878.00 7	626.00 11	558.00 11	422.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	159.00 7
1946	290.00 30
1947	118.00 3
1948	245.00 24
1949	362.00 35
1950	375.00 37
1951	303.00 33
1952	243.00 22
1953	292.00 31
1954	153.00 6
1955	160.00 8
1956	179.00 12
1957	130.00 4
1958	395.00 39
1959	438.00 41
1960	190.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1945	167.00 36
1946	226.00 22
1947	191.00 32
1948	252.00 15
1949	259.00 12
1950	473.00 1
1951	250.00 16
1952	327.00 7
1953	243.00 19
1954	79.00 41
1955	195.00 30
1956	162.00 37
1957	317.00 8
1958	396.00 3
1959	272.00 10
1960	175.00 34



03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	152.00	5
1962	261.00	26
1963	161.00	9
1964	106.00	2
1965	210.00	16
1966	177.00	11
1967	193.00	15
1968	222.00	18
1969	241.00	21
1970	235.00	20
1971	280.00	28
1972	162.00	10
1973	415.00	40
1974	368.00	36
1975	313.00	34
1976	286.00	29
1977	94.00	1
1978	245.00	23
1979	259.00	25
1980	229.00	19
1981	180.00	13
1982	379.00	38
1983	216.00	17
1984	293.00	32
1985	277.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	193.00	31
1962	220.00	24
1963	141.00	38
1964	204.00	29
1965	175.00	35
1966	101.00	39
1967	215.00	25
1968	239.00	20
1969	245.00	17
1970	305.00	9
1971	206.00	28
1972	225.00	23
1973	376.00	4
1974	454.00	2
1975	257.00	13
1976	207.00	27
1977	90.00	40
1978	349.00	5
1979	210.00	26
1980	267.00	11
1981	182.00	33
1982	334.00	6
1983	256.00	14
1984	239.00	21
1985	243.00	18

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	*	*	*	*	*	*	857.00	447.00	108.00	28.80	18.30	18.00
1945	23.20	29.90	26.40	24.30	83.20	246.00	399.00	500.00	413.00	105.00	54.20	96.80
1946	307.00	136.00	279.00	358.00	470.00	378.00	113.00	322.00	218.00	78.50	40.50	24.80
1947	29.20	42.70	48.00	198.00	129.00	172.00	514.00	367.00	582.00	93.10	55.30	66.50
1948	37.40	39.70	55.70	183.00	220.00	728.00	915.00	393.00	152.00	123.00	136.00	44.30
1949	52.70	223.00	243.00	1211.0	647.00	226.00	203.00	112.00	73.00	67.80	44.20	23.40
1950	248.00	93.70	343.00	1808.0	872.00	626.00	549.00	150.00	322.00	109.00	41.10	535.00
1951	80.20	267.00	352.00	384.00	649.00	241.00	282.00	198.00	93.00	376.00	68.50	39.80
1952	40.40	118.00	213.00	442.00	478.00	564.00	685.00	607.00	407.00	153.00	90.20	140.00
1953	49.20	103.00	242.00	267.00	173.00	580.00	450.00	245.00	141.00	328.00	286.00	35.00
1954	30.10	35.60	38.80	66.20	70.70	101.00	144.00	125.00	178.00	40.70	96.90	25.50
1955	90.80	55.10	129.00	391.00	176.00	466.00	253.00	215.00	269.00	208.00	42.80	34.30
1956	112.00	274.00	122.00	60.10	375.00	201.00	118.00	229.00	191.00	208.00	44.60	22.90
1957	23.50	27.80	61.00	143.00	312.00	187.00	1026.0	576.00	565.00	668.00	91.80	139.00
1958	163.00	251.00	784.00	184.00	116.00	163.00	132.00	101.00	1674.0	596.00	510.00	72.00
1959	61.10	315.00	141.00	442.00	918.00	359.00	593.00	244.00	81.60	48.90	45.30	71.60
1960	89.40	106.00	178.00	206.00	380.00	253.00	186.00	194.00	165.00	165.00	149.00	39.60
1961	30.70	35.60	34.60	48.90	93.10	670.00	679.00	373.00	102.00	116.00	73.70	49.00
1962	62.10	150.00	81.90	486.00	370.00	592.00	167.00	219.00	110.00	281.00	69.20	50.90
1963	105.00	59.20	44.10	36.30	37.50	731.00	250.00	106.00	54.00	182.00	44.60	25.20
1964	22.90	29.40	23.50	51.50	54.10	422.00	1172.0	198.00	321.00	118.00	31.80	21.80
1965	26.80	33.50	37.80	70.20	206.00	310.00	592.00	200.00	202.00	79.10	41.10	314.00
1966	92.00	68.80	98.80	152.00	156.00	141.00	138.00	173.00	104.00	41.20	27.80	23.90
1967	25.10	57.20	634.00	211.00	320.00	559.00	315.00	282.00	84.00	41.30	23.70	25.70
1968	34.30	37.60	722.00	388.00	552.00	169.00	252.00	259.00	208.00	73.20	124.00	54.50
1969	44.30	172.00	281.00	776.00	439.00	216.00	436.00	161.00	123.00	95.00	75.50	139.00
1970	426.00	562.00	157.00	151.00	186.00	315.00	761.00	509.00	123.00	228.00	160.00	85.10
1971	154.00	204.00	126.00	96.60	600.00	341.00	102.00	261.00	355.00	81.60	67.80	119.00
1972	70.20	48.30	435.00	191.00	99.30	113.00	815.00	161.00	238.00	166.00	53.90	319.00
1973	382.00	719.00	582.00	419.00	304.00	823.00	382.00	151.00	358.00	104.00	222.00	53.80
1974	67.60	332.00	608.00	1090.0	480.00	569.00	615.00	776.00	676.00	122.00	59.70	50.90
1975	46.50	58.40	168.00	423.00	512.00	268.00	365.00	565.00	266.00	134.00	194.00	104.00
1976	59.10	60.80	267.00	181.00	860.00	399.00	111.00	67.60	275.00	154.00	41.50	33.70
1977	37.40	33.50	31.50	19.50	78.40	244.00	172.00	99.80	40.60	26.20	164.00	126.00
1978	422.00	110.00	566.00	119.00	76.10	990.00	500.00	372.00	546.00	330.00	78.60	48.90
1979	39.80	60.30	90.70	142.00	296.00	613.00	465.00	156.00	75.50	307.00	229.00	47.10
1980	70.20	229.00	224.00	138.00	164.00	634.00	530.00	125.00	799.00	83.90	165.00	54.30
1981	41.50	43.00	48.00	40.20	178.00	78.20	167.00	608.00	128.00	79.70	274.00	497.00
1982	260.00	161.00	164.00	407.00	662.00	1143.0	506.00	200.00	271.00	116.00	88.30	45.80
1983	44.70	103.00	636.00	194.00	198.00	185.00	466.00	881.00	184.00	90.90	42.70	29.30
1984	44.70	74.10	372.00	78.50	524.00	725.00	387.00	290.00	190.00	71.90	79.00	44.00
1985	60.50	153.00	229.00	310.00	929.00	637.00	320.00	104.00	85.70	38.40	75.60	32.80

## WABASH RIVER BASIN

03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
37.40	42.80	58.30	87.50	143.00	209.00
FIFTIETH PERCENTILE					
59.10	93.70	168.00	191.00	304.00	359.00
SEVENTY FIFTH PERCENTILE					
98.50	188.00	348.00	399.00	518.00	620.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
183.00	155.00	107.00	77.20	43.80	31.90
FIFTIETH PERCENTILE					
393.00	224.00	191.00	113.00	71.40	48.90
SEVENTY FIFTH PERCENTILE					
592.00	378.00	330.00	189.00	139.00	98.60

LOCATION.--Lat 40°26'26", long 86°49'45", in SW1/4 sec.13, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120107, on right bank about 200 ft downstream of bridge on County Road 2A East, 2.8 mi downstream from South Fork Wildcat Creek, 3.7 mi northeast of courthouse in Lafayette, and 4.8 mi upstream from mouth.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of about 25.4 ft, from profile by State of Indiana, Department of Natural Resources.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1955	NUMBER OF DAYS IN CLASS																																			
	1	15	10	15	3	18	29	33	23	17	18	26	12	20	24	19	18	16	6	15	7	4	1	3	1	2	3	1								
1956			12	13	9	8	9	11	36	19	39	31	19	23	25	15	26	10	15	11	10	8	3	5	3	5	1									
1957		15	7	23	16	25	15		13	13	25	32	11	22	12	14	12	11	13	8	16	9	13	5	7	8	4	10	5	1						
1958							7		20	19	38	44	39	25	25	24	21	17	14	7	6	13	8	2	5	12	2	4	2	4		3	1	1	2	
1959						17	31	47	29	8	17	20	14	13	16	15	18	17	25	13	14	16	9	4	5	6	3	1	2	2	1		2			
1960				3	6	9	10		26	27	31	54	35	33	26	25	16	16	14	8	9	3	7	2	1	4	1									
1961				2	37	54	53	22	26	9	19	20	19	17	14	5	3	9	9	5	6	6	5	4	7	5	4	3	2							
1962					6	24	11		36	22	32	35	28	26	22	23	21	16	13	6	8	9	4	5	6	3	2	3	1		3					
1963		9	10	22	30	17	50	21	43	28	27	9	19	9	10	8	9	11	8	2	6	6	4	3	1			1		2						
1964		16	21	56	44	19	34	10	9	13	16	13	9	7	14	8	11	11	8	5	6	7	5	7	5	5	1	1	1		2		1	1		
1965			3	30	45	24	43	18	20	13	12	22	12	13	15	15	15	15	4	8	5	8	8	3	5	5	2	1	1							
1966		4	14	20	20	13	15	4	30	25	62	34	22	37	24	20	9	4	2	2	4															
1967			8	32	42	17	29	9	24	11	18	13	18	17	15	14	11	8	16	10	11	8	7	9	6	7		2	1	1	1					
1968				3	8	6	53	20	32	24	33	32	14	25	14	12	23	13	11	10	6	6	5	2	2	1		3	2	3	2	1				
1969						11	49	8	19	13	24	29	25	35	32	29	16	19	14	13	4	7	4	4	2	2	1		1	1	1	2				
1970						3	5	20	31	37	25	28	25	30	32	29	15	20	11	7	11	9	7	3	5	3	7	2								
1971							12	20	32	21	40	31	45	42	32	21	13	10	10	7	4	7	4	4	3	2	4		1							
1972						2	40	27	32	11	38	33	21	24	17	27																				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	11323	100.00	12	340.0	671	5782	51.06	24	3000.0	118	570	5.03
1	46.0	32	11323	100.00	13	400.0	741	5111	45.14	25	3500.0	159	452	3.99
2	55.0	138	11291	99.72	14	480.0	670	4370	38.59	26	4300.0	83	293	2.59
3	66.0	223	11153	98.50	15	580.0	590	3700	32.68	27	5100.0	91	210	1.85
4	79.0	304	10930	96.53	16	700.0	517	3110	27.47	28	6100.0	44	119	1.05
5	95.0	367	10626	93.84	17	830.0	421	2593	22.90	29	7300.0	27	75	0.66
6	110.0	880	10259	90.60	18	1000.0	404	2172	19.18	30	8800.0	25	48	0.42
7	140.0	550	9379	82.83	19	1200.0	288	1768	15.61	31	11000.0	11	23	0.20
8	160.0	891	8829	77.97	20	1400.0	294	1480	13.07	32	13000.0	6	12	0.11
9	200.0	554	7938	70.11	21	1700.0	272	1186	10.47	33	15000.0	4	6	0.05
10	230.0	814	7384	65.21	22	2100.0	193	914	8.07	34	18000.0	2	2	0.02
11	280.0	788	6570	58.02	23	2500.0	151	721	6.37					

## 03335000 WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 88.1  
 P90 = 112.0  
 P75 = 175.0  
 P70 = 201.0  
 P50 = 351.0  
 P25 = 770.0  
 P10 = 1780.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1956	56.00 6	56.00 6	57.00 6	59.00 5	72.00 5	101.00 9	221.00 21	337.00 21	384.00 20
1957	56.00 7	56.00 7	56.00 4	57.00 3	59.00 1	69.00 1	78.00 3	95.00 5	126.00 4
1958	130.00 25	133.00 25	140.00 25	149.00 27	185.00 29	314.00 29	381.00 29	481.00 29	838.00 30
1959	145.00 29	145.00 29	145.00 28	148.00 25	151.00 25	167.00 21	266.00 25	434.00 28	641.00 28
1960	96.00 15	98.00 15	101.00 15	105.00 14	120.00 14	165.00 20	176.00 17	202.00 15	235.00 11
1961	77.00 10	79.00 10	81.00 10	84.00 10	96.00 10	107.00 10	107.00 8	109.00 7	132.00 6
1962	86.00 11	88.00 11	93.00 11	100.00 11	124.00 16	137.00 16	173.00 16	213.00 17	251.00 12
1963	52.00 4	52.00 4	52.00 2	55.00 2	82.00 9	94.00 7	106.00 7	130.00 8	165.00 8
1964	50.00 2	50.00 1	51.00 1	52.00 1	62.00 2	72.00 3	72.00 1	73.00 1	93.00 1
1965	47.00 1	51.00 2	56.00 5	63.00 7	73.00 6	76.00 5	77.00 2	82.00 2	99.00 2
1966	89.00 12	92.00 12	101.00 16	109.00 17	123.00 15	180.00 23	201.00 19	339.00 22	340.00 18
1967	51.00 3	51.00 3	54.00 3	59.00 4	65.00 4	74.00 4	79.00 4	82.00 3	129.00 5
1968	66.00 9	67.00 9	72.00 9	74.00 9	77.00 7	86.00 6	97.00 6	104.00 6	133.00 7
1969	106.00 20	108.00 19	111.00 19	117.00 18	125.00 17	130.00 14	159.00 14	182.00 14	269.00 16
1970	98.00 17	103.00 18	106.00 18	124.00 20	141.00 22	260.00 27	310.00 27	330.00 20	449.00 24
1971	132.00 26	135.00 26	142.00 26	154.00 28	184.00 28	287.00 28	355.00 28	384.00 26	395.00 21
1972	118.00 23	122.00 23	124.00 23	127.00 21	135.00 19	158.00 19	194.00 18	210.00 16	291.00 17
1973	104.00 19	110.00 20	116.00 20	127.00 22	143.00 23	208.00 26	287.00 26	375.00 25	606.00 27
1974	139.00 28	144.00 28	146.00 29	148.00 26	161.00 26	192.00 25	222.00 22	369.00 24	493.00 26
1975	118.00 24	124.00 24	125.00 24	135.00 24	147.00 24	155.00 18	161.00 15	174.00 12	255.00 13
1976	150.00 30	160.00 30	171.00 30	173.00 29	181.00 27	191.00 24	242.00 23	349.00 23	440.00 23
1977	58.00 8	59.00 8	60.00 8	61.00 6	62.00 3	71.00 2	84.00 5	92.00 4	106.00 3
1978	53.00 5	55.00 5	58.00 7	65.00 8	81.00 8	98.00 8	146.00 12	229.00 18	376.00 19
1979	91.00 13	93.00 13	97.00 12	102.00 12	107.00 11	108.00 11	135.00 9	159.00 11	232.00 10
1980	97.00 16	99.00 16	100.00 14	104.00 13	137.00 20	169.00 22	256.00 24	401.00 27	457.00 25
1981	115.00 22	115.00 22	116.00 21	117.00 19	127.00 18	131.00 15	139.00 11	138.00 9	197.00 9
1982	136.00 27	138.00 27	144.00 27	175.00 30	231.00 30	348.00 30	453.00 30	683.00 30	668.00 29
1983	108.00 21	111.00 21	123.00 22	133.00 23	141.00 21	154.00 17	212.00 20	267.00 19	403.00 22
1984	100.00 18	101.00 17	103.00 17	107.00 15	116.00 13	126.00 12	136.00 10	154.00 10	263.00 14
1985	95.00 14	96.00 14	99.00 13	108.00 16	114.00 12	128.00 13	153.00 13	175.00 13	269.00 15

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	7220.00 21	5860.00 23	3850.00 27	2550.00 27	1640.00 27	1290.00 27	1190.00 24	1130.00 24	959.00 23
1956	4820.00 28	4340.00 28	3710.00 28	2520.00 28	1580.00 28	1110.00 28	867.00 29	1010.00 27	812.00 27
1957	7840.00 19	6430.00 19	6030.00 15	4260.00 13	3620.00 9	2560.00 7	2260.00 4	2270.00 3	1730.00 4
1958	22100.00 1	17500.00 1	15400.00 1	9310.00 1	5340.00 1	3680.00 1	2900.00 1	2240.00 4	1620.00 6
1959	14900.00 5	13100.00 5	8230.00 5	4690.00 9	3730.00 7	2550.00 8	2220.00 5	2130.00 5	1640.00 5
1960	4410.00 29	4060.00 29	3240.00 29	1970.00 29	1310.00 29	1090.00 29	978.00 28	897.00 29	784.00 28
1961	7200.00 22	6600.00 18	5570.00 17	4030.00 16	2930.00 13	2300.00 10	1870.00 9	1490.00 13	1080.00 21
1962	10300.00 12	9700.00 10	5940.00 16	3360.00 21	2420.00 19	2170.00 13	1800.00 11	1470.00 14	1190.00 15
1963	9590.00 13	8590.00 14	5250.00 18	3230.00 22	2260.00 21	1500.00 24	1130.00 25	907.00 28	701.00 29
1964	17600.00 3	14100.00 3	9370.00 3	5520.00 6	3730.00 8	2570.00 6	1900.00 8	1640.00 10	1210.00 13
1965	6100.00 26	4950.00 27	4340.00 21	3070.00 23	2170.00 24	1640.00 21	1360.00 22	1210.00 22	896.00 25
1966	1690.00 31	1540.00 31	1210.00 31	856.00 31	606.00 31	503.00 31	483.00 31	470.00 31	451.00 31
1967	9040.00 15	8120.00 15	6110.00 14	3560.00 18	2250.00 22	1640.00 22	1500.00 19	1470.00 15	1290.00 11
1968	12300.00 6	9140.00 11	7540.00 9	4710.00 8	2680.00 15	2240.00 11	1680.00 16	1450.00 16	1180.00 16
1969	12000.00 7	11200.00 6	7980.00 7	4610.00 10	3050.00 10	1940.00 18	1490.00 20	1380.00 18	1090.00 20
1970	6980.00 23	6150.00 21	5070.00 19	3520.00 19	2650.00 16	1880.00 19	1510.00 18	1300.00 19	1130.00 17
1971	6120.00 25	4970.00 26	4290.00 23	2960.00 24	2200.00 23	1470.00 25	1080.00 27	1030.00 25	833.00 26
1972	10500.00 11	9070.00 12	6640.00 12	4100.00 15	2910.00 14	1750.00 20	1380.00 21	1140.00 23	1070.00 22
1973	6020.00 27	5260.00 25	4280.00 24	3660.00 17	3010.00 12	2120.00 14	1800.00 12	1770.00 8	1740.00 3
1974	11800.00 9	11000.00 8	9280.00 4	6600.00 2	3970.00 5	3090.00 3	2710.00 2	2560.00 1	2280.00 1
1975	6840.00 24	6200.00 20	4340.00 22	2610.00 26	1870.00 26	1560.00 23	1350.00 23	1250.00 20	1190.00 14

## 03335000 WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1976	9340.00	14	8890.00	13	6650.00	11	5530.00	5	3950.00	6	2360.00	9	1790.00	13	1530.00	12	1130.00	18
1977	2510.00	30	2110.00	30	1660.00	30	1320.00	30	1040.00	30	815.00	30	704.00	30	579.00	30	465.00	30
1978	10800.00	10	9890.00	9	8050.00	6	6490.00	3	4520.00	3	2810.00	5	2220.00	6	2050.00	6	1560.00	7
1979	8200.00	18	5270.00	24	4090.00	26	3490.00	20	2330.00	20	2080.00	16	1570.00	17	1250.00	21	1120.00	19
1980	11900.00	8	11100.00	7	7380.00	10	4460.00	11	2600.00	18	2010.00	17	1860.00	10	1760.00	9	1350.00	9
1981	8890.00	16	6810.00	17	4260.00	25	2880.00	25	1980.00	25	1450.00	26	1120.00	26	1030.00	26	951.00	24
1982	8660.00	17	7960.00	16	6500.00	13	5250.00	7	4680.00	2	3370.00	2	2710.00	3	2340.00	2	1840.00	2
1983	17800.00	2	13500.00	4	7740.00	8	4440.00	12	3040.00	11	2230.00	12	1700.00	15	1400.00	17	1410.00	8
1984	7430.00	20	6050.00	22	4730.00	20	4150.00	14	2650.00	17	2110.00	15	1740.00	14	1570.00	11	1290.00	12
1985	17100.00	4	14700.00	2	10100.00	2	6430.00	4	4370.00	4	2830.00	4	2000.00	7	1770.00	7	1340.00	10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	607.00	9
1957	424.00	3
1958	1240.00	27
1959	1380.00	30
1960	652.00	11
1961	495.00	5
1962	876.00	22
1963	502.00	6
1964	336.00	2
1965	684.00	13
1966	569.00	7
1967	607.00	10
1968	711.00	15
1969	677.00	12
1970	707.00	14
1971	821.00	19
1972	482.00	4
1973	1300.00	29
1974	1220.00	26
1975	897.00	23
1976	919.00	24
1977	327.00	1
1978	848.00	20
1979	758.00	17
1980	773.00	18
1981	587.00	8
1982	1250.00	28
1983	750.00	16
1984	954.00	25
1985	855.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	611.00	22
1956	599.00	25
1957	987.00	6
1958	1220.00	2
1959	934.00	7
1960	575.00	27
1961	603.00	23
1962	764.00	14
1963	428.00	29
1964	651.00	21
1965	561.00	28
1966	316.00	31
1967	714.00	17
1968	708.00	18
1969	705.00	19
1970	884.00	8
1971	602.00	24
1972	718.00	16
1973	1200.00	3
1974	1360.00	1
1975	781.00	11
1976	733.00	15
1977	320.00	30
1978	1100.00	5
1979	682.00	20
1980	878.00	9
1981	598.00	26
1982	1140.00	4
1983	839.00	10
1984	771.00	13
1985	774.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1954	*	*	*	*	*	*	*	*	*	*	*	*
1955	288.00	153.00	344.00	1350.0	474.00	1636.0	910.00	526.00	668.00	744.00	127.00	83.80
1956	450.00	1053.0	411.00	189.00	1306.0	873.00	374.00	1085.0	810.00	455.00	159.00	68.80
1957	70.50	108.00	192.00	381.00	764.00	648.00	3568.0	1497.0	1417.0	2495.0	302.00	428.00
1958	479.00	733.00	2465.0	610.00	341.00	467.00	379.00	299.00	5210.0	1851.0	1511.0	240.00
1959	152.00	833.00	509.00	1406.0	3169.0	1267.0	2144.0	1071.0	267.00	197.00	192.00	214.00
1960	263.00	316.00	511.00	709.00	1214.0	771.00	795.00	658.00	438.00	634.00	485.00	132.00
1961	103.00	116.00	102.00	119.00	259.00	2061.0	2301.0	1146.0	300.00	266.00	301.00	139.00
1962	173.00	425.00	235.00	2014.0	1130.0	2098.0	520.00	560.00	359.00	1249.0	232.00	155.00
1963	308.00	197.00	141.00	87.50	104.00	2051.0	828.00	414.00	253.00	488.00	142.00	78.30
1964	67.90	85.60	67.00	145.00	118.00	1325.0	3657.0	675.00	856.00	664.00	105.00	76.70
1965	74.30	88.40	94.80	187.00	687.00	1103.0	2148.0	677.00	490.00	279.00	124.00	835.00
1966	304.00	258.00	316.00	490.00	473.00	471.00	371.00	546.00	294.00	109.00	79.80	81.30
1967	76.40	154.00	1938.0	654.00	1021.0	1946.0	1207.0	983.00	251.00	143.00	103.00	78.20
1968	110.00	126.00	2002.0	1075.0	1931.0	560.00	743.00	746.00	600.00	230.00	262.00	149.00
1969	126.00	427.00	740.00	2091.0	1486.0	579.00	1098.0	495.00	325.00	380.00	350.00	423.00
1970	1298.0	1676.0	552.00	429.00	589.00	887.00	2098.0	1481.0	353.00	511.00	489.00	244.00

## WABASH RIVER BASIN

03335000 WILDCAT CREEK NEAR LAFAYETTE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	450.00	603.00	440.00	299.00	1812.0	1169.0	310.00	746.00	721.00	264.00	177.00	340.00
1972	186.00	138.00	1461.0	728.00	298.00	386.00	2839.0	644.00	617.00	428.00	160.00	750.00
1973	1082.0	2245.0	1647.0	1381.0	1015.0	2753.0	1391.0	503.00	1127.0	350.00	782.00	168.00
1974	217.00	1048.0	2084.0	3711.0	1453.0	1801.0	1973.0	2035.0	1296.0	304.00	202.00	167.00
1975	149.00	179.00	533.00	1320.0	1786.0	909.00	909.00	1296.0	1023.0	344.00	627.00	373.00
1976	200.00	195.00	905.00	562.00	3227.0	1481.0	392.00	231.00	804.00	633.00	163.00	116.00
1977	123.00	113.00	94.80	61.60	241.00	945.00	663.00	410.00	130.00	84.40	514.00	461.00
1978	1182.0	342.00	2190.0	389.00	224.00	3472.0	1879.0	1096.0	985.00	916.00	229.00	130.00
1979	109.00	174.00	301.00	463.00	874.00	1953.0	1612.0	458.00	245.00	1079.0	769.00	144.00
1980	197.00	764.00	814.00	476.00	572.00	2116.0	1656.0	436.00	2565.0	285.00	498.00	187.00
1981	139.00	136.00	147.00	134.00	655.00	290.00	663.00	1951.0	661.00	306.00	804.00	1311.0
1982	702.00	525.00	625.00	1351.0	2129.0	3991.0	1693.0	690.00	1014.0	367.00	475.00	175.00
1983	141.00	410.00	2196.0	655.00	637.00	545.00	1728.0	2614.0	577.00	260.00	147.00	119.00
1984	182.00	320.00	1342.0	234.00	1659.0	2272.0	1228.0	1005.0	502.00	228.00	186.00	120.00
1985	176.00	462.00	673.00	971.00	2723.0	2135.0	1209.0	287.00	294.00	138.00	250.00	125.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
123.00	138.00	235.00	234.00	473.00	648.00
FIFTIETH PERCENTILE					
182.00	316.00	533.00	562.00	874.00	1267.00
SEVENTY FIFTH PERCENTILE					
308.00	603.00	1461.00	1320.00	1659.00	2061.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
663.00	495.00	306.00	238.00	159.00	117.00
FIFTIETH PERCENTILE					
1209.00	677.00	589.00	347.00	231.00	152.00
SEVENTY FIFTH PERCENTILE					
1973.00	1096.00	953.00	634.00	488.00	316.00

LOCATION.--Lat 40°25'19", long 86°53'49", in NE $\frac{1}{4}$  sec. 20, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120108, on right bank 20 ft downstream from Brown Street in Lafayette, 0.2 mi upstream from Main Street bridge, 0.3 mi downstream from Harrison Memorial Bridge, 5.1 mi downstream from Wildcat Creek, and at mile 311.9.

PERIOD OF RECORD.--February 1901 to January 1902, March to December 1902, January to May 1903 (gage heights only), October 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at present site since October 1913 are contained in reports of National Weather Service.

REMARKS.--Flow partially regulated by upstream reservoirs and power development.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,000 ft<sup>3</sup>/s May 19, 1943, gage height, 28.47 ft; minimum daily, 399 ft<sup>3</sup>/s Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 32.9 ft, from floodmark determined by National Weather Service. discharge, 190,000 ft<sup>3</sup>/s.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

[illegible]

## 03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14976	100.00	12	2600.0	979	8400	56.09	24	21000.0	199	919	6.14
1	399.0	51	14976	100.00	13	3100.0	948	7421	49.55	25	25000.0	185	720	4.81
2	470.0	72	14925	99.66	14	3700.0	855	6473	43.22	26	29000.0	208	535	3.57
3	560.0	215	14853	99.18	15	4400.0	745	5618	37.51	27	35000.0	132	327	2.18
4	670.0	354	14638	97.74	16	5200.0	742	4873	32.54	28	41000.0	80	195	1.30
5	790.0	554	14284	95.38	17	6200.0	689	4131	27.58	29	49000.0	59	115	0.77
6	940.0	681	13730	91.68	18	7400.0	574	3442	22.98	30	58000.0	32	56	0.37
7	1100.0	953	13049	87.13	19	8800.0	406	2868	19.15	31	69000.0	10	24	0.16
8	1300.0	1146	12096	80.77	20	10000.0	464	2462	16.44	32	82000.0	10	14	0.09
9	1600.0	848	10950	73.12	21	12000.0	489	1998	13.34	33	97000.0	3	4	0.03
10	1900.0	781	10102	67.45	22	15000.0	258	1509	10.08	34	120000.0	1	1	0.01
11	2200.0	921	9321	62.24	23	17000.0	332	1251	8.35					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 805.0  
 P90 = 999.0  
 P75 = 1530.0  
 P70 = 1770.0  
 P50 = 3070.0  
 P25 = 6870.0  
 P10 = 15100.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1925	1100.00 35	1180.00 35	1220.00 34	1280.00 33	1330.00 32	1390.00 28	1550.00 21	1920.00 27	3390.00 31
1926	805.00 22	835.00 21	856.00 17	876.00 16	1080.00 23	1370.00 26	1720.00 28	1740.00 22	1950.00 18
1927	1100.00 36	1120.00 33	1270.00 35	1390.00 35	1650.00 34	2480.00 38	3080.00 39	3850.00 39	8340.00 40
1928	1160.00 37	1250.00 37	1690.00 39	1880.00 39	2080.00 38	2300.00 36	2570.00 36	3030.00 34	4450.00 36
1929	860.00 24	890.00 24	976.00 29	976.00 22	1110.00 26	1200.00 18	1350.00 18	1620.00 18	2090.00 20
1930	950.00 30	950.00 30	989.00 30	1010.00 24	1050.00 20	1200.00 19	1900.00 30	2560.00 31	3830.00 34
1931	538.00 6	632.00 10	779.00 14	817.00 14	837.00 12	900.00 11	923.00 8	980.00 7	1020.00 4
1932	710.00 16	843.00 22	867.00 19	966.00 19	1020.00 17	1310.00 24	1560.00 22	1690.00 21	1930.00 16
1933	583.00 9	583.00 7	610.00 8	647.00 9	798.00 11	1280.00 23	1420.00 20	1610.00 17	1890.00 15
1934	730.00 18	730.00 14	730.00 12	782.00 13	845.00 13	1100.00 14	1310.00 16	1790.00 23	2260.00 21
1935	508.00 4	513.00 4	527.00 3	544.00 4	756.00 9	852.00 10	984.00 11	1500.00 13	1680.00 13
1936	770.00 21	803.00 19	823.00 16	877.00 17	896.00 14	963.00 12	1350.00 17	1510.00 14	1640.00 12
1937	476.00 3	479.00 2	489.00 2	522.00 2	552.00 2	677.00 3	872.00 6	1250.00 12	2400.00 23
1938	1090.00 33	1100.00 32	1120.00 32	1200.00 32	1320.00 31	1710.00 33	1760.00 29	2040.00 28	3070.00 28
1939	730.00 19	798.00 18	958.00 25	1070.00 28	1090.00 24	1200.00 20	1370.00 19	1550.00 15	1940.00 17
1940	604.00 11	622.00 9	630.00 9	641.00 8	673.00 7	764.00 6	941.00 9	937.00 6	1100.00 6
1941	510.00 5	513.00 3	530.00 4	540.00 3	621.00 3	624.00 2	713.00 2	827.00 4	1120.00 7
1942	399.00 1	403.00 1	404.00 1	406.00 1	430.00 1	445.00 1	573.00 1	688.00 1	989.00 3
1943	1080.00 32	1130.00 34	1200.00 33	1380.00 34	1860.00 36	2170.00 34	2410.00 33	3080.00 35	3230.00 29
1944	700.00 14	783.00 17	975.00 28	1040.00 26	1110.00 25	1170.00 17	1270.00 14	1570.00 16	1870.00 14
1945	552.00 7	557.00 5	585.00 6	622.00 7	655.00 6	704.00 5	764.00 4	789.00 3	856.00 1
1946	1100.00 34	1220.00 36	1360.00 36	1490.00 36	2020.00 37	2820.00 39	2890.00 37	4190.00 40	4120.00 35
1947	573.00 8	576.00 6	579.00 5	598.00 5	629.00 4	766.00 7	888.00 7	1060.00 8	1360.00 10
1948	945.00 29	945.00 29	967.00 27	1020.00 25	1300.00 29	1510.00 31	1580.00 23	1650.00 19	1960.00 19
1949	904.00 27	919.00 28	953.00 23	1000.00 23	1040.00 18	1120.00 15	1310.00 15	1660.00 20	2490.00 24
1950	1000.00 31	1030.00 31	1050.00 31	1100.00 31	1370.00 33	1430.00 29	1970.00 31	2480.00 30	3060.00 27
1951	1610.00 40	1610.00 39	1640.00 38	1700.00 38	2180.00 39	3370.00 40	3800.00 40	3730.00 38	4540.00 37
1952	910.00 28	910.00 27	964.00 26	1050.00 27	1070.00 21	1240.00 21	1710.00 21	2220.00 29	3460.00 32
1953	900.00 26	907.00 26	937.00 22	1080.00 29	1180.00 27	1370.00 27	1620.00 26	1840.00 26	2350.00 22
1954	472.00 2	638.00 11	724.00 11	746.00 11	762.00 10	808.00 8	856.00 5	904.00 5	1090.00 5
1955	825.00 23	846.00 23	883.00 20	972.00 21	1320.00 30	1430.00 30	1590.00 24	1820.00 24	2600.00 26
1956	708.00 15	720.00 13	750.00 13	767.00 12	905.00 15	1330.00 25	2440.00 34	2950.00 32	3360.00 30
1957	654.00 13	675.00 12	687.00 10	704.00 10	744.00 8	832.00 9	949.00 10	1080.00 9	1350.00 9
1958	888.00 25	902.00 25	955.00 24	1080.00 30	1300.00 28	1700.00 32	2090.00 32	3030.00 33	5760.00 39
1959	1410.00 39	1510.00 38	1540.00 37	1580.00 37	1690.00 35	2300.00 35	2900.00 38	3430.00 37	4610.00 38
1960	718.00 17	746.00 15	785.00 15	841.00 15	1020.00 16	1280.00 22	1600.00 25	1830.00 25	2570.00 25
1961	600.00 10	747.00 16	859.00 18	966.00 20	1070.00 22	1130.00 16	1220.00 13	1240.00 11	1400.00 11
1962	1280.00 38	1750.00 40	1870.00 40	2150.00 40	2200.00 40	2480.00 37	2570.00 35	3180.00 36	3740.00 33
1963	770.00 20	833.00 20	906.00 21	936.00 18	1040.00 19	1070.00 13	1140.00 12	1220.00 10	1320.00 8
1964	610.00 12	610.00 8	610.00 7	621.00 6	648.00 5	703.00 4	749.00 3	743.00 2	923.00 2



## 03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1924	58400.00 16	53800.00 18	42100.00 16	29900.00 19	20600.00 23	16300.00 22	14800.00 19	15500.00 9	13800.00 6
1925	61900.00 12	56000.00 11	43600.00 14	29900.00 20	19900.00 24	13900.00 26	11400.00 28	11300.00 24	8450.00 25
1926	57000.00 19	54000.00 17	41800.00 18	31900.00 17	22600.00 18	17100.00 20	14100.00 22	11900.00 22	10100.00 20
1927	63300.00 11	52900.00 20	41200.00 20	34700.00 13	24600.00 16	20800.00 10	20800.00 3	20000.00 2	16400.00 2
1928	63500.00 10	59700.00 10	47000.00 11	36900.00 9	27100.00 11	18800.00 14	16800.00 10	14200.00 14	11000.00 15
1929	35600.00 33	32500.00 33	30700.00 28	20600.00 30	16800.00 27	16000.00 24	14300.00 21	13000.00 19	11700.00 14
1930	73500.00 7	71300.00 6	59900.00 5	51600.00 4	36500.00 3	25700.00 2	21200.00 2	17600.00 4	13800.00 7
1931	13100.00 41	10600.00 41	7600.00 41	6420.00 40	5290.00 40	3840.00 40	3270.00 40	2980.00 40	2430.00 40
1932	37600.00 31	35100.00 30	27800.00 31	22300.00 29	16000.00 29	12200.00 29	10500.00 30	9200.00 33	8040.00 29
1933	67500.00 9	65500.00 9	57700.00 6	39900.00 5	26600.00 12	25700.00 3	20400.00 4	16900.00 6	15100.00 3
1934	20400.00 38	18800.00 38	15400.00 38	10900.00 38	7960.00 38	5590.00 38	4210.00 39	3750.00 39	3050.00 39
1935	36700.00 32	35000.00 31	33400.00 24	24900.00 26	14800.00 33	11600.00 33	10300.00 31	8890.00 34	7480.00 32
1936	87200.00 5	80500.00 5	57200.00 7	34200.00 15	20900.00 22	13900.00 27	12000.00 25	9500.00 31	6860.00 35
1937	58000.00 17	55200.00 13	44500.00 13	39200.00 7	30100.00 6	21900.00 8	16800.00 11	17000.00 5	14000.00 5
1938	59800.00 14	55300.00 12	43000.00 15	36700.00 10	29200.00 7	21700.00 9	16700.00 13	13700.00 16	12100.00 11
1939	73600.00 6	67200.00 7	49100.00 9	33400.00 16	27300.00 10	20300.00 11	18100.00 7	14500.00 12	10500.00 17
1940	33300.00 36	28200.00 36	18900.00 37	12800.00 37	10200.00 37	8050.00 37	6910.00 37	6110.00 37	4730.00 37
1941	13500.00 40	12300.00 40	9110.00 40	5770.00 41	3790.00 41	2800.00 41	2850.00 41	2550.00 41	2280.00 41
1942	43600.00 25	39300.00 25	29200.00 29	23200.00 27	15900.00 30	14100.00 25	13000.00 24	10600.00 26	8320.00 27
1943	129000.00 1	115000.00 1	85900.00 1	64800.00 1	39600.00 2	22700.00 5	18900.00 6	15800.00 8	13400.00 9
1944	71500.00 8	66100.00 8	52400.00 8	38200.00 8	26200.00 13	18200.00 15	15500.00 18	13000.00 20	8990.00 23
1945	46000.00 23	41000.00 24	33100.00 25	20300.00 31	14400.00 34	12800.00 28	11700.00 27	10800.00 25	8500.00 24
1946	38400.00 29	34400.00 32	25100.00 34	19900.00 32	13400.00 36	11000.00 35	11200.00 29	9540.00 29	8400.00 26
1947	40000.00 27	36400.00 28	32600.00 26	23100.00 28	17200.00 26	16600.00 21	14000.00 23	11500.00 23	9420.00 22
1948	39700.00 28	37000.00 27	34100.00 23	27200.00 23	24700.00 15	18000.00 16	15700.00 16	13200.00 18	10400.00 18
1949	59600.00 15	54800.00 15	39000.00 22	34600.00 14	27600.00 9	22800.00 4	17900.00 8	15100.00 11	11900.00 12
1950	88000.00 3	81200.00 4	62100.00 4	56800.00 2	43600.00 1	34100.00 1	28300.00 1	27100.00 1	20600.00 1
1951	50000.00 22	47200.00 22	41100.00 21	31000.00 18	21400.00 20	17800.00 17	15600.00 17	14400.00 13	13200.00 10
1952	41500.00 26	39000.00 26	29100.00 30	27300.00 22	22700.00 17	17600.00 18	16800.00 12	16600.00 7	14400.00 4
1953	34600.00 35	32200.00 34	22700.00 35	19400.00 34	15200.00 31	11900.00 30	9810.00 34	8770.00 35	7420.00 33
1954	15600.00 39	13800.00 39	10400.00 39	8450.00 39	6890.00 39	5390.00 39	5090.00 38	4540.00 38	3680.00 38
1955	35000.00 34	31400.00 35	27600.00 32	19800.00 33	14900.00 32	11200.00 34	10200.00 32	9540.00 30	7780.00 30
1956	29400.00 37	27900.00 37	20900.00 36	18300.00 35	16100.00 28	11900.00 31	9980.00 33	9660.00 28	7630.00 31
1957	51900.00 21	50500.00 21	47600.00 10	35000.00 12	28700.00 8	19200.00 13	16300.00 14	15400.00 10	11700.00 13
1958	97000.00 2	92000.00 2	83300.00 2	55800.00 3	33000.00 4	22300.00 6	17800.00 9	14100.00 15	10900.00 16
1959	87600.00 4	82500.00 3	62500.00 3	39400.00 6	30800.00 5	21900.00 7	19500.00 5	18500.00 3	13700.00 8
1960	38100.00 30	36300.00 29	27600.00 33	17600.00 36	13700.00 35	10200.00 36	9640.00 35	9210.00 32	8160.00 28
1961	54700.00 20	53100.00 19	46700.00 12	35600.00 11	25700.00 14	19800.00 12	16300.00 15	13300.00 17	10400.00 19
1962	45000.00 24	41700.00 23	30800.00 27	26100.00 25	21500.00 19	17100.00 19	14500.00 20	12000.00 21	9450.00 21
1963	60000.00 13	54000.00 16	41500.00 19	26200.00 24	17500.00 25	11800.00 32	8940.00 36	7380.00 36	5610.00 36
1964	57600.00 18	55000.00 14	42000.00 17	27700.00 21	21300.00 21	16100.00 23	11900.00 26	9780.00 27	7380.00 34

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1925	8010.00 30
1926	4760.00 13
1927	10800.00 40
1928	10300.00 37
1929	4950.00 15
1930	10500.00 39
1931	2200.00 1
1932	4660.00 12
1933	5930.00 20
1934	5630.00 19
1935	3430.00 5
1936	5230.00 17
1937	6960.00 26
1938	7140.00 27
1939	7720.00 29
1940	3570.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1924	9480.00 3
1925	5090.00 29
1926	8120.00 11
1927	11100.00 2
1928	7640.00 13
1929	6860.00 16
1930	7730.00 12
1931	1840.00 40
1932	4960.00 30
1933	8760.00 6
1934	2610.00 38
1935	4740.00 33
1936	4120.00 34
1937	9340.00 4
1938	7490.00 14
1939	5990.00 21

## 03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	2410.00	2
1942	3650.00	9
1943	5950.00	21
1944	6880.00	24
1945	4910.00	14
1946	7660.00	28
1947	3430.00	6
1948	6930.00	25
1949	8370.00	33
1950	10300.00	38
1951	9440.00	35
1952	8290.00	31
1953	6300.00	22
1954	2840.00	4
1955	5100.00	16
1956	5410.00	18
1957	3520.00	7
1958	8690.00	34
1959	10200.00	36
1960	6340.00	23
1961	4650.00	11
1962	8330.00	32
1963	3880.00	10
1964	2700.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	2790.00	37
1941	1630.00	41
1942	5160.00	27
1943	8830.00	5
1944	5130.00	28
1945	4960.00	31
1946	5790.00	22
1947	5570.00	25
1948	6210.00	19
1949	7410.00	15
1950	12300.00	1
1951	8440.00	9
1952	8730.00	7
1953	4740.00	32
1954	2420.00	39
1955	5450.00	26
1956	5650.00	24
1957	6740.00	17
1958	8510.00	8
1959	8140.00	10
1960	5750.00	23
1961	6000.00	20
1962	6290.00	18
1963	3420.00	36
1964	4110.00	35

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1924	3235.0	3284.0	19400.0	10130.0	11170.0	16660.0	14170.0	8697.0	17030.0	4844.0	2673.0	2498.0
1925	1479.0	1335.0	11780.0	4595.0	9287.0	17960.0	4833.0	2418.0	1773.0	2369.0	1190.0	2133.0
1926	2138.0	10010.0	3904.0	5970.0	10590.0	10320.0	19840.0	4250.0	3708.0	1674.0	5895.0	20120.0
1927	14750.0	7197.0	5460.0	11040.0	19390.0	17250.0	20770.0	20600.0	10080.0	3114.0	2407.0	2298.0
1928	4664.0	4827.0	25250.0	10310.0	13040.0	5975.0	6046.0	2910.0	9139.0	5462.0	2376.0	1812.0
1929	1130.0	1641.0	2454.0	11060.0	5236.0	10150.0	15580.0	16250.0	7339.0	6908.0	3141.0	1237.0
1930	1792.0	5043.0	11320.0	35740.0	12700.0	8360.0	9412.0	3820.0	1407.0	1083.0	1142.0	975.00
1931	962.00	843.00	1328.0	1035.0	1371.0	3021.0	4186.0	1971.0	2261.0	1799.0	1118.0	2201.0
1932	2511.0	3743.0	7347.0	15210.0	8123.0	5461.0	5363.0	4802.0	2057.0	1987.0	904.00	1987.0
1933	1805.0	4015.0	11930.0	12340.0	5958.0	17730.0	16480.0	25480.0	2944.0	1520.0	1285.0	3039.0
1934	4531.0	1572.0	1771.0	2452.0	1361.0	4773.0	6254.0	1460.0	1029.0	891.00	2780.0	2388.0
1935	1689.0	2420.0	2111.0	6424.0	4089.0	9594.0	5934.0	14460.0	3534.0	3041.0	2230.0	1056.0
1936	912.00	2281.0	1818.0	2043.0	12580.0	13050.0	4403.0	7525.0	1568.0	655.00	933.00	1964.0
1937	3152.0	11290.0	2798.0	29220.0	13770.0	6673.0	17980.0	8893.0	7259.0	5295.0	3665.0	2578.0
1938	2015.0	1471.0	5470.0	3234.0	12440.0	15940.0	21930.0	4210.0	9075.0	9691.0	2985.0	2078.0
1939	1117.0	1314.0	1684.0	2544.0	14870.0	22010.0	17390.0	3648.0	3284.0	2554.0	1557.0	720.00
1940	1046.0	1062.0	961.00	1597.0	2303.0	6849.0	9020.0	4617.0	3581.0	1284.0	641.00	629.00
1941	1077.0	1171.0	2000.0	1705.0	1626.0	1663.0	3135.0	1608.0	3780.0	953.00	484.00	435.00
1942	937.00	1776.0	1677.0	1493.0	14020.0	14300.0	11080.0	3213.0	4194.0	1911.0	5912.0	2251.0
1943	2111.0	6381.0	7461.0	7797.0	7411.0	11820.0	4669.0	37290.0	6842.0	5223.0	5116.0	3210.0
1944	1381.0	2560.0	1327.0	1137.0	3523.0	9789.0	24810.0	11400.0	3461.0	1041.0	738.00	672.00
1945	878.00	1110.0	877.00	878.00	3753.0	9487.0	12970.0	12290.0	7933.0	2790.0	3388.0	3282.0
1946	9103.0	3299.0	4687.0	11000.0	9585.0	11680.0	3456.0	6448.0	6420.0	2070.0	1068.0	733.00
1947	883.00	1584.0	1974.0	5503.0	6097.0	5131.0	13040.0	13360.0	13690.0	2463.0	1671.0	1756.0
1948	1312.0	1905.0	2698.0	6764.0	7056.0	17490.0	15440.0	10780.0	4694.0	3398.0	1761.0	1192.0
1949	1049.0	3889.0	6770.0	26840.0	17800.0	7462.0	5590.0	6829.0	5924.0	4138.0	1779.0	1448.0
1950	4694.0	2191.0	8403.0	42040.0	23760.0	17800.0	22850.0	6280.0	7503.0	4719.0	2195.0	6462.0
1951	2895.0	6328.0	12070.0	12420.0	18820.0	11820.0	14590.0	8074.0	4066.0	7472.0	2184.0	1239.0
1952	1873.0	3983.0	6379.0	19510.0	14510.0	15640.0	16270.0	11820.0	7776.0	2664.0	2404.0	2153.0
1953	1189.0	2010.0	3964.0	5619.0	5617.0	14200.0	8278.0	6480.0	3438.0	3207.0	1987.0	839.00
1954	801.00	987.00	1027.0	1570.0	1984.0	3473.0	6780.0	3330.0	4360.0	1695.0	1735.0	1363.0
1955	6305.0	2196.0	3583.0	9653.0	5333.0	14670.0	7496.0	3947.0	4285.0	4816.0	1951.0	905.00
1956	4495.0	9481.0	3605.0	1894.0	12120.0	10340.0	5292.0	8958.0	6339.0	3116.0	1578.0	984.00
1957	788.00	1145.0	1853.0	3442.0	4480.0	4387.0	28000.0	10070.0	7929.0	14820.0	2129.0	2069.0
1958	3091.0	4889.0	16630.0	5615.0	3166.0	5605.0	3952.0	3219.0	31830.0	11240.0	9510.0	3145.0
1959	2047.0	5106.0	3482.0	10630.0	28000.0	11660.0	17720.0	11490.0	3931.0	2669.0	1431.0	1241.0
1960	2437.0	4308.0	5278.0	7673.0	11660.0	6665.0	10460.0	6379.0	5673.0	4259.0	3149.0	1461.0
1961	1240.0	1408.0	1118.0	1213.0	2334.0	16880.0	20760.0	10380.0	4086.0	3135.0	6648.0	2570.0
1962	2483.0	4533.0	3225.0	12390.0	10470.0	19500.0	5169.0	4474.0	3963.0	6428.0	1601.0	1284.0
1963	1710.0	1466.0	1150.0	1070.0	1236.0	16600.0	5993.0	3545.0	2786.0	3069.0	1337.0	778.00
1964	652.00	846.00	747.00	1308.0	1232.0	9999.0	20620.0	4817.0	3292.0	4206.0	941.00	757.00

## 03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1063.00	1437.00	1728.00	1800.00	3638.00	6669.00
FIFTIETH PERCENTILE					
1792.00	2281.00	3482.00	5970.00	8123.00	10340.00
SEVENTY FIFTH PERCENTILE					
2993.00	4680.00	7059.00	11050.00	12870.00	16270.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
5477.00	3734.00	3365.00	1855.00	1238.00	980.00
FIFTIETH PERCENTILE					
10460.00	6448.00	4194.00	3069.00	1951.00	1756.00
SEVENTY FIFTH PERCENTILE					
17560.00	11090.00	7421.00	4830.00	2883.00	2343.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1970						2	6	13	26	23	14	20	18	30	21	38	33	21	13	10	7	9	14	10	16	8	2	5	4	1	1				
1971				2	12	11	14	19	26	20	14	33	30	41	33	22	16	20	5	7	5	11	2	3	3	4	6	5	1						
1972				2	1	1	13	16	47	31	35	29	19	14	14	15	16	15	11	14	17	14	7	11	11	5	4	1	3						
1973						3	14	17	11	6	7	12	23	17	22	14	14	14	17	35	40	32	27	17	14	4	3	2							
1974				3	3	24	23	14	17	23	28	11	16	13	12	16	6	7	13	8	12	27	16	32	14	4	6	10	3	2	2				
1975						5	9	8	14	24	22	21	27	26	18	21	16	19	20	25	14	24	19	15	7		5	2	4						
1976					8	4	17	6	21	18	24	50	46	30	21	16	9	13	5	12	8	6	9	6	9	6	5	6	8	1	2				
1977	32	20	20	13	12	23	52	45	13	8	9	13	12	14	12	10	7	11	11	6	6	5	4	4	3										
1978				1	6	20	29	9	12	20	35	24	28	19	15	18	9	10	12	9	15	9	14	13	3	5	11	14	2	1	2				
1979				2	5	22	47	33	38	13	13	18	20	16	32	20	8	10	9	5	8	7	11	9	7	4	3	1	2	1	1				
1980						11	8	22	28	39	32	38	24	22	16	10	7	21	18	11	12	6	17	10	8	1	2	1	1	1					
1981						4	26	25	41	28	30	26	23	11	12	13	7	15	13	20	22	12	7	12	7	4	3	1	2	1					
1982				2	7	11	20	14	10	11	28	27	28	17	18	22	20	24	12	5	9	5	5	7	15	9	11	12	6	5	3	2			
1983	2	9	11	24	8	14	13	14	7	11	16	26	31	27	24	17	14	9	8	16	19	11	8	6	5	6	5		1	1	1	1			
1984				3	8	8	22	20	20	29	18	21	28	27	27	12	14	8	6	7	8	7	14	12	15	7	10	5	8	1	1				
1985					3	6	9	41	26	21	23	32	36	32	18	14	16	11	11	5	6	2	7	3	5	9	3	4	11	4	2	1	1	2	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	3100.0	398	3650	62.46	24	17000.0	193	629	10.76
1	660.0	34	5844	100.00	13	3600.0	413	3252	55.65	25	20000.0	126	436	7.46
2	760.0	29	5810	99.42	14	4200.0	316	2839	48.58	26	23000.0	90	310	5.30
3	880.0	36	5781	98.92	15	4800.0	301	2523	43.17	27	26000.0	75	220	3.76
4	1000.0	78	5745	98.31	16	5500.0	273	2222	38.02	28	30000.0	80	145	2.48
5	1200.0	78	5667	96.97	17	6400.0	203	1949	33.35	29	35000.0	29	65	1.11
6	1300.0	196	5589	95.64	18	7300.0	182	1746	29.88	30	40000.0	18	36	0.62
7	1500.0	344	5393	92.28	19	8500.0	190	1564	26.76	31	46000.0	11	18	0.31
8	1800.0	325	5049	86.40	20	9700.0	166	1374	23.51	32	53000.0	4	7	0.12
9	2100.0	359	4724	80.84	21	11000.0	213	1208	20.67	33	62000.0	2	3	0.05
10	2400.0	299	4365	74.69	22	13000.0	207	995	17.03	34	71000.0	1	1	0.02
11	2700.0	416	4066	69.58	23	15000.0	159	788	13.48					

## 03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1340.0  
 P90 = 1620.0  
 P75 = 2380.0  
 P70 = 2670.0  
 P50 = 4080.0  
 P25 = 9150.0  
 P10 = 17700.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	1280.00 11	1290.00 9	1380.00 9	1510.00 9	1810.00 11	2720.00 13	2800.00 12	3150.00 10	3590.00 9
1972	889.00 4	946.00 4	1090.00 4	1240.00 4	1270.00 3	1700.00 7	2080.00 8	2320.00 7	2670.00 4
1973	1150.00 6	1300.00 11	1420.00 10	1790.00 12	2030.00 12	2620.00 12	3030.00 13	3770.00 14	6420.00 15
1974	1640.00 15	1740.00 15	1820.00 14	1920.00 13	2120.00 13	2350.00 11	2540.00 10	3450.00 13	4320.00 12
1975	1160.00 7	1180.00 6	1280.00 7	1330.00 7	1380.00 4	1590.00 5	1650.00 4	1830.00 4	2710.00 5
1976	1450.00 14	1510.00 13	1680.00 13	1920.00 14	2210.00 14	2850.00 14	3300.00 14	3240.00 12	4400.00 13
1977	660.00 1	683.00 1	696.00 1	702.00 1	716.00 1	769.00 1	948.00 1	1160.00 1	1380.00 1
1978	887.00 3	940.00 3	947.00 3	1120.00 3	1410.00 6	1580.00 3	1870.00 5	2440.00 8	3630.00 11
1979	1170.00 9	1180.00 7	1230.00 5	1290.00 5	1520.00 7	1610.00 6	1620.00 3	1710.00 3	2300.00 2
1980	1240.00 10	1290.00 10	1460.00 11	1670.00 11	1770.00 10	2080.00 9	2550.00 11	3210.00 11	3400.00 8
1981	1380.00 12	1390.00 12	1470.00 12	1560.00 10	1690.00 9	2350.00 10	2440.00 9	2440.00 9	2940.00 6
1982	1410.00 13	1710.00 14	2060.00 15	2290.00 15	3160.00 15	3850.00 15	3720.00 15	4090.00 15	4900.00 14
1983	1160.00 8	1270.00 8	1320.00 8	1450.00 8	1520.00 8	1830.00 8	1950.00 7	2190.00 5	3620.00 10
1984	732.00 2	757.00 2	788.00 2	860.00 2	964.00 2	1070.00 2	1190.00 2	1540.00 2	2390.00 3
1985	952.00 5	1020.00 5	1270.00 6	1320.00 6	1390.00 5	1590.00 4	1870.00 6	2250.00 6	3030.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	41700.00 10	37300.00 11	32100.00 8	25100.00 9	20800.00 10	16000.00 11	13100.00 10	11900.00 10	9860.00 13
1971	30000.00 15	28300.00 15	26600.00 14	23500.00 11	18200.00 13	13400.00 14	9830.00 15	8600.00 15	7060.00 15
1972	38500.00 13	37200.00 12	31200.00 11	25700.00 8	21700.00 8	15700.00 12	12600.00 12	10600.00 13	9960.00 12
1973	39500.00 12	35300.00 13	27700.00 13	22200.00 14	19800.00 11	18300.00 7	16300.00 5	14800.00 5	15200.00 3
1974	52500.00 4	48900.00 4	41100.00 3	34000.00 4	26400.00 5	22000.00 4	19800.00 2	18500.00 2	15700.00 2
1975	34700.00 14	32900.00 14	25700.00 15	19700.00 15	15700.00 15	13300.00 15	12000.00 13	11000.00 12	10600.00 7
1976	43400.00 8	40300.00 8	35000.00 7	31600.00 5	27000.00 4	19200.00 5	14700.00 7	13400.00 7	10200.00 11
1977	22300.00 16	19200.00 16	16900.00 16	13300.00 16	11400.00 16	8990.00 16	7440.00 16	6000.00 16	4890.00 16
1978	49500.00 5	46600.00 5	40000.00 4	35700.00 3	31600.00 3	23100.00 3	18200.00 3	15200.00 4	12700.00 4
1979	48800.00 6	43600.00 6	35700.00 6	27600.00 7	22500.00 6	18500.00 6	14600.00 8	11900.00 11	9300.00 14
1980	46200.00 7	43400.00 7	31600.00 9	22700.00 13	21200.00 9	16400.00 10	13100.00 11	12500.00 9	10300.00 8
1981	43200.00 9	38800.00 9	30100.00 12	23000.00 12	16600.00 14	16500.00 9	14600.00 9	12600.00 8	10300.00 9
1982	55300.00 3	52000.00 2	47800.00 2	42900.00 2	34300.00 2	30600.00 1	24600.00 1	20800.00 1	16200.00 1
1983	59100.00 2	49900.00 3	36000.00 5	23700.00 10	18600.00 12	15600.00 13	11900.00 14	10100.00 14	10200.00 10
1984	40000.00 11	37900.00 10	31500.00 10	28500.00 6	22100.00 7	17400.00 8	15100.00 6	14100.00 6	11500.00 6
1985	79200.00 1	73100.00 1	58000.00 1	46300.00 1	34600.00 1	24500.00 2	17600.00 4	15600.00 3	11900.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	7130.00 8
1972	4450.00 2
1973	11200.00 15
1974	9930.00 13
1975	7180.00 9
1976	8180.00 12
1977	3080.00 1
1978	6440.00 4
1979	6890.00 7
1980	6470.00 5
1981	5530.00 3
1982	10900.00 14
1983	6720.00 6
1984	7410.00 10
1985	8180.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	7150.00 8
1971	5130.00 15
1972	6910.00 10
1973	10900.00 1
1974	9440.00 3
1975	7140.00 9
1976	6510.00 12
1977	3510.00 16
1978	8240.00 4
1979	5890.00 14
1980	7340.00 5
1981	6690.00 11
1982	9640.00 2
1983	6460.00 13
1984	7170.00 7
1985	7280.00 6

03335500 WABASH RIVER AT LAFAYETTE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	6873.0	10640.0	5152.0	3577.0	7818.0	8557.0	16120.0	14010.0	4184.0	2883.0	3207.0	3048.0
1971	3981.0	5146.0	4455.0	2480.0	14960.0	11790.0	3205.0	4123.0	5345.0	2516.0	1300.0	3076.0
1972	2918.0	2307.0	11200.0	7454.0	3138.0	6646.0	20480.0	10260.0	4657.0	3600.0	2174.0	8106.0
1973	10640.0	18800.0	15620.0	13950.0	8881.0	16910.0	16600.0	6693.0	10300.0	3725.0	5984.0	2132.0
1974	2573.0	4577.0	11710.0	21700.0	18880.0	14950.0	13650.0	13400.0	6536.0	2388.0	1434.0	2013.0
1975	1822.0	3320.0	6375.0	11060.0	13500.0	11200.0	6824.0	7568.0	13970.0	3269.0	3104.0	4265.0
1976	2935.0	3092.0	9819.0	5864.0	21330.0	16850.0	4500.0	2881.0	4486.0	3336.0	1728.0	1900.0
1977	1865.0	1588.0	941.00	735.00	2211.0	10690.0	6663.0	3828.0	1437.0	1790.0	4136.0	6170.0
1978	5371.0	4281.0	14330.0	5745.0	2904.0	20030.0	22000.0	10870.0	5240.0	4343.0	1580.0	1657.0
1979	1793.0	2190.0	3208.0	3461.0	4050.0	22090.0	13570.0	5329.0	3572.0	4051.0	5230.0	1887.0
1980	2370.0	4827.0	8695.0	5410.0	5356.0	17210.0	13180.0	3714.0	14930.0	4025.0	5323.0	3098.0
1981	2402.0	2584.0	3047.0	1820.0	8761.0	4192.0	7651.0	16210.0	15750.0	9136.0	3745.0	5279.0
1982	4071.0	4113.0	3951.0	10420.0	17760.0	33560.0	21340.0	6136.0	8082.0	3179.0	2189.0	1538.0
1983	2121.0	5791.0	14110.0	6539.0	5549.0	4322.0	14150.0	16070.0	3991.0	2571.0	1140.0	1031.0
1984	2181.0	3822.0	11380.0	2392.0	14080.0	16270.0	14390.0	10520.0	4964.0	2876.0	1947.0	1538.0
1985	2963.0	5094.0	5629.0	9206.0	15510.0	23960.0	12940.0	3404.0	3517.0	1776.0	2220.0	1795.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2136.00	2711.00	4077.00	2725.00	4377.00	9090.00
FIFTIETH PERCENTILE					
2746.00	4197.00	7535.00	5805.00	8821.00	15610.00
SEVENTY FIFTH PERCENTILE					
4049.00	5133.00	11630.00	10120.00	15370.00	19330.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
7031.00	3902.00	4039.00	2530.00	1617.00	1692.00
FIFTIETH PERCENTILE					
13610.00	7131.00	5102.00	3224.00	2205.00	2073.00
SEVENTY FIFTH PERCENTILE					
16480.00	12770.00	9746.00	3950.00	4038.00	3973.00

0335690 MUD PINE CREEK NEAR OXFORD, IN

LOCATION.--Lat 40°31'24", long 87°20'30", in NE¼SE¼ sec.17, T.24 N., R.8 W., Benton County, Hydrologic Unit 05120108, on right bank 5 ft downstream from county road bridge, 0.3 mi north of Chase, 2 mi east of Boswell, and 5 mi west of Oxford.

DRAINAGE AREA.--39.4 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1971 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 718.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--14 years (1972 to 1985), 39.5 ft<sup>3</sup>/s, 13.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,420 ft<sup>3</sup>/s June 2, 1980, gage height, 11.67 ft; minimum daily, 0.16 ft<sup>3</sup>/s Sept. 14, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1972					4	8	26	18	17	19	13	8	10	8	12	27	20	34	37	35	27	15	7	8	3	5	4	1									
1973						5	11	6	5	1	5	7	6	7	6	8	29	29	24	46	61	40	26	16	12	9	2			3	1						
1974					4	6	7	4	8	26	22	12	13	7	6	11	6	11	19	25	42	30	29	24	12	19	12	6	2		2						
1975									6	22	12	8	8	7	8	11	20	37	29	45	38	36	26	18	9	11	5	1	2	1	4	1					
1976				4	5	10	6	8	10	9	7	7	5	16	56	22	25	27	32	31	19	15	13	11	4	10	2	7	1	1	3						
1977				11	16	45	52	18	24	13	8	14	15	13	29	19	10	20	14	11	5	8	4	3	4	3	1	3		1	1						
1978						12	6	6	3	6	9	9	29	30	15	13	30	30	37	25	23	25	15	12	16	8	2	2	2								
1979						4	28	21	5	9	8	26	19	29	33	25	21	15	11	17	14	13	13	19	17	2	5	2	4	1	2	1			1		
1980					16	14	4	21	27	6	20	15	14	26	21	26	41	21	13	10	14	14	12	12	9	3	4	1		1					1		
1981						13	51	16	19	15	9	16	20	15	20	13	19	23	16	15	19	10	11	9	8	9	5	2	2	4	3	2			1		
1982							15	15	9	11	6	5	9	15	17	57	52	37	20	16	19	14	12	14	6	2	10	1	1	2							
1983																																					
1984				1	4	7	14	11	15	6	18	18	4	6	5	2	12	13	25	40	37	27	23	18	12	13	13	10	6	3	1		1				
1985				1	3	3	2	15	24	17	20	9	25	12	8	23	16	26	16	24	19	23	18	11	11	9	13	7	4	4	1	1			1		
							3	9	27	29	25	19	9	12	16	37	33	21	22	13	17	10	8	6	10	7	6	3	1	2		1		2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5114	100.00	12	3.5	174	3784	73.99	24	100.0	146	487	9.52
1	0.16	1	5114	100.00	13	4.6	205	3610	70.59	25	130.0	146	341	6.67
2	0.21	9	5113	99.98	14	6.1	270	3405	66.58	26	180.0	78	195	3.81
3	0.28	26	5104	99.80	15	8.1	258	3135	61.30	27	230.0	37	117	2.29
4	0.37	54	5078	99.30	16	11.0	263	2877	56.26	28	310.0	29	80	1.56
5	0.49	116	5024	98.24	17	14.0	413	2614	51.11	29	410.0	20	51	1.00
6	0.65	236	4908	95.97	18	19.0	367	2201	43.04	30	540.0	16	31	0.61
7	0.86	164	4672	91.36	19	25.0	335	1834	35.86	31	720.0	8	15	0.29
8	1.1	214	4508	88.15	20	33.0	320	1499	29.31	32	950.0	4	7	0.14
9	1.5	220	4294	83.97	21	44.0	284	1179	23.05	33	1300.0	1	3	0.06
10	2.0	134	4074	79.66	22	58.0	228	895	17.50	34	1700.0	2	2	0.04
11	2.6	156	3940	77.04	23	76.0	180	667	13.04					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.69  
P90 = 0.96  
P75 = 3.2  
P70 = 4.8  
P50 = 14.7  
P25 = 40.6  
P10 = 96.8

## 03335690 MUD PINE CREEK NEAR OXFORD, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1973	0.58 6	0.72 7	0.82 8	1.10 9	1.70 11	4.10 11	6.80 11	12.00 11	21.00 10
1974	0.79 9	0.83 9	0.88 9	1.00 8	1.19 8	2.50 9	2.50 6	7.70 9	16.00 8
1975	0.39 3	0.43 3	0.50 3	0.67 5	1.00 7	3.40 10	5.30 9	6.70 7	18.00 9
1976	1.19 10	1.30 11	1.60 12	2.50 12	3.60 12	5.60 12	10.00 12	17.00 12	28.00 11
1977	0.26 2	0.28 2	0.36 2	0.42 2	0.47 2	0.71 2	0.75 2	0.75 1	0.88 1
1978	0.40 4	0.46 4	0.54 4	0.64 3	0.93 6	1.70 6	5.50 10	9.00 10	28.00 12
1979	0.72 8	0.72 8	0.76 7	0.87 7	0.90 5	1.30 5	1.80 5	4.60 5	8.10 5
1980	1.19 11	1.30 12	1.30 11	1.40 11	1.50 9	2.10 8	3.50 7	7.40 8	12.00 6
1981	0.49 5	0.56 5	0.60 5	0.66 4	0.75 3	0.79 3	0.89 3	1.19 2	1.40 2
1982	2.70 13	2.80 13	3.20 13	4.50 13	12.00 13	12.00 13	23.00 13	26.00 13	47.00 13
1983	1.19 12	1.19 10	1.19 10	1.30 10	1.50 10	1.90 7	4.80 8	5.80 6	13.00 7
1984	0.16 1	0.23 1	0.24 1	0.30 1	0.39 1	0.56 1	0.71 1	1.50 3	5.50 4
1985	0.67 7	0.68 6	0.71 6	0.78 6	0.86 4	1.00 4	1.30 4	1.70 4	3.50 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1972	262.00 14	226.00 14	155.00 14	103.00 14	85.00 14	57.00 14	46.00 13	40.00 13	34.00 13
1973	567.00 11	437.00 10	269.00 10	159.00 12	127.00 10	102.00 6	83.00 9	86.00 6	80.00 4
1974	713.00 9	486.00 7	324.00 8	218.00 7	134.00 8	111.00 5	105.00 3	98.00 3	95.00 2
1975	771.00 7	612.00 5	341.00 7	182.00 9	108.00 12	100.00 8	85.00 8	73.00 9	63.00 7
1976	500.00 12	350.00 12	250.00 11	206.00 8	140.00 6	92.00 10	67.00 12	59.00 12	45.00 12
1977	640.00 10	475.00 9	312.00 9	179.00 10	94.00 13	63.00 13	42.00 14	33.00 14	29.00 14
1978	480.00 13	320.00 13	223.00 13	177.00 11	131.00 9	88.00 12	75.00 10	62.00 10	57.00 10
1979	1800.00 1	1130.00 1	649.00 1	470.00 1	287.00 1	222.00 1	166.00 1	128.00 1	99.00 1
1980	1800.00 2	857.00 4	482.00 4	263.00 5	145.00 5	91.00 11	93.00 5	86.00 7	63.00 8
1981	1670.00 3	1060.00 2	603.00 2	348.00 2	193.00 4	115.00 4	90.00 6	94.00 5	80.00 5
1982	917.00 6	541.00 6	360.00 6	269.00 4	223.00 2	161.00 2	129.00 2	113.00 2	89.00 3
1983	750.00 8	421.00 11	248.00 12	144.00 13	119.00 11	99.00 9	73.00 11	62.00 11	61.00 9
1984	969.00 5	481.00 8	381.00 5	237.00 6	134.00 7	101.00 7	100.00 4	97.00 4	74.00 6
1985	1290.00 4	982.00 3	508.00 3	301.00 3	197.00 3	126.00 3	88.00 7	77.00 8	54.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1973	48.00 10
1974	50.00 11
1975	51.00 12
1976	42.00 7
1977	9.00 1
1978	43.00 8
1979	44.00 9
1980	39.00 5
1981	25.00 2
1982	75.00 13
1983	35.00 3
1984	39.00 4
1985	41.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1972	22.00 13
1973	54.00 1
1974	53.00 3
1975	49.00 5
1976	27.00 12
1977	16.00 14
1978	43.00 7
1979	54.00 2
1980	35.00 9
1981	45.00 6
1982	52.00 4
1983	35.00 10
1984	40.00 8
1985	29.00 11

## WABASH RIVER BASIN

U3335690 MUD PINE CREEK NEAR DXFORD, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	*	*	*	*	*	*	*	*	*	71.60	2.96	2.14
1972	1.11	0.95	33.80	25.20	11.40	22.40	84.10	25.20	26.80	7.37	2.20	29.60
1973	33.80	81.60	94.80	69.80	36.00	80.40	118.00	30.50	51.20	21.40	30.60	1.27
1974	3.75	9.86	63.10	123.00	73.70	74.70	80.80	86.30	97.90	12.50	1.88	12.10
1975	3.28	41.20	47.90	104.00	95.50	37.50	36.00	23.50	83.20	8.93	69.90	37.60
1976	6.28	8.40	36.20	18.60	122.00	58.30	20.30	8.49	38.90	13.90	1.48	0.71
1977	0.96	0.84	0.98	0.47	3.41	17.60	17.20	24.10	3.22	0.96	30.90	94.40
1978	91.20	31.80	97.30	14.40	6.32	96.40	50.60	65.10	23.60	17.70	13.00	2.37
1979	1.07	2.54	17.20	20.90	81.30	237.00	147.00	35.70	15.10	66.70	19.70	2.71
1980	1.63	17.90	24.90	15.10	30.10	88.60	75.20	13.50	145.00	5.07	2.22	1.09
1981	0.89	0.79	2.47	1.48	51.10	6.54	59.40	159.00	44.70	14.30	122.00	76.60
1982	28.30	23.20	16.40	52.80	128.00	172.00	76.70	45.40	65.10	9.39	10.50	1.68
1983	2.09	23.40	93.90	22.40	29.40	35.80	96.80	83.80	17.60	7.32	0.92	0.40
1984	2.67	5.50	52.20	9.54	88.30	101.00	59.00	127.00	23.30	4.57	1.54	0.89
1985	1.62	3.77	14.30	38.90	134.00	83.40	50.90	10.10	8.33	1.17	4.83	0.82

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

1.10	2.14	15.90	13.20	24.90	32.40
------	------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

2.38	9.13	35.00	21.60	62.40	77.50
------	------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

11.80	25.50	70.80	57.00	102.00	97.50
-------	-------	-------	-------	--------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

46.90	21.00	17.00	5.07	1.88	0.89
-------	-------	-------	------	------	------

## FIFTIETH PERCENTILE

67.30	33.10	32.80	9.39	4.83	2.14
-------	-------	-------	------	------	------

## SEVENTY FIFTH PERCENTILE

87.30	84.40	69.60	17.69	30.60	29.60
-------	-------	-------	-------	-------	-------



## 03335700 BIG PINE CREEK NEAR WILLIAMSPORT, IN

LOCATION.--Lat 40°19'03", long 87°17'26", in SW¼SE¼ sec.26, T.22 N., R.8 W., Warren County, Hydrologic Unit 05120108, on downstream side of county road bridge, 1.6 mi north of city limits of Williamsport, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--323 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1955 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 511.68 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to May 19, 1967, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 271 ft<sup>3</sup>/s, 11.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft<sup>3</sup>/s Feb. 10, 1959, from rating curve extended above 8,000 ft<sup>3</sup>/s on basis of contracted-opening measurement, gage height, 16.00 ft, from floodmark; minimum daily, 6.5 ft<sup>3</sup>/s Oct. 6-8, 1966.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1956			2	4	5	12	13	17	8	10	24	19	22	41	37	23	31	30	15	9	13	15	5	3	3	4		1								
1957		5	23	17	28	22	10	8	20	24	30	18	9	9	8	4	4	9	17	16	23	15	9	9	11	5	3	3	1	2	1	1				1
1958									14	11	12	5	12	24	64	55	30	32	17	20	16	10	12	8	6	2	2	2	3	1	2	3	2			
1959			2	12	5	8	24	20	26	20	21	7	10	15	26	20	12	10	15	17	25	19	17	12	3	6	2	6	1	1	1			1		1
1960							1	21	9	23	14	19	8	29	32	50	43	30	18	19	14	9	5	3	6	3	2	6	1	1						
1961			16	2	1	4	41	41	39	20	19	11	8	10	23	21	17	14	15	10	10	5	7	10	6	2	9	3	1							
1962						4	19	24	14	11	18	7	11	19	36	31	27	26	33	25	13	8	9	7	8	6	4	4	1							
1963		1	16	10	25	50	71	35	22	19	7	12	17	9	9	8	11	7	9	7	7	2	4	2	1	1						2				
1964		24	30	25	58	24	24	17	16	12	18	23	10	4	18	8	10	7	3	7	6	6	5	3	2	2	1	1		1		1				
1965		2	2	14	5	50	34	19	12	6	7	13	11	12	17	18	26	24	15	22	16	9	7	8	4	7	3	2								
1966		5	20	8	25	17	4	7	4	2	17	30	23	41	30	18	16	31	16	16	9	9	7	4	2	1	3									
1967	10	11	6	22	32	23	11	17	10	11	14	9	20	11	12	16	16	24	17	19	26	7	7	6	2	2	2	1	2	1						
1968				4	6	12	11	35	11	9	5	26	29	24	27	40	31	16	13	12	12	8	12	4	3	5	5	2	2					1	1	
1969					1	8	20	37	11	14	15	24	33	31	19	25	18	22	20	9	14	8	11	8	8	5	1	1		2						
1970						7	12	16	11	30	20	22	31	39	26	24	29	23	17	15	8	8	8	9	3	2	2		1	1	1					
1971					5	16	17	6	10	13	12	27	31	32	42	33	35	21	17	12	4	8	10	1	5	4	2	1		1						
1972				7	53	12	6	7	15	19	23	25	33	26	29	21	26	11	14	7	9	8	4	5	2	1	3									
1973							17	9	6	7	7	12	6	13	27	32	21	33	42	36	33	15	15	16	6	5	2	3	1			1				
1974					4	36	29	20	11	11	11	11	16	7	24	27	29	29	17	16	11	11	11	14	6	8	2	2	1	1						
1975						14	8	17	12	10	6	21	32	27	38	42	37	36	15	9	11	8	3	8	2	4	2	3								
1976					6	30	6	9	11	7	16	30	25	30	35	23	27	21	23	14	15	8	5	5	6	7	2	4		1						
1977		5	6	4	44	93	25	14	12	7	13	23	19	12	14	10	12	8	10	6	7	1	1	5	1	1	1	1	1	1						
1978					12	8	7	7	22	31	19	8	15	22	23	24	19	30	26	14	21	12	10	9	6	11	4	1	2	2						
1979					15	26	13	16	26	25	25	11	20	24	20	14	15	11	21	17	15	15	10	9	5	1	5	1	1	3			1			
1980					4	13	34	18	18	21	30	19	18	36	35	21	15	12	7	12	9	13	6	7	8	5	2		1	1						
1981					15	17	44	25	15	28	20	20	13	17	16	12	12	19	15	17	11	12	10	2	5	5	3	5	3	1	3					
1982					2	17	12	9	6	8	4	3	10	10	35	38	39	38	18	19	22	14	12	9	9	4	7	8	8	2	2					
1983			8	13	13	14	22	17	9	5	8	10	12	19	36	20	21	30	21	20	13	9	12	9	11	6	2	2						1		
1984		4	7	5	26	19	10	18	6	17	13	8	22	19	18	15	25	22	14	18	14	11	13	6	5	14	5	6	3	2			1			
1985				4	8	24	26	11	13	25	24	33	35	24	26	20	11	14	12	10	6	5	6	8	3	4	3	6	1	1					2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10958	100.00	12	71.0	481	6888	62.86	24	960.0	188	647	5.90
1	6.5	56	10958	100.00	13	88.0	613	6407	58.47	25	1200.0	149	459	4.19
2	8.1	143	10902	99.49	14	110.0	796	5794	52.87	26	1500.0	99	310	2.83
3	10.0	124	10759	98.18	15	140.0	679	4998	45.61	27	1800.0	98	211	1.93
4	12.0	304	10635	97.05	16	170.0	688	4319	39.41	28	2300.0	37	113	1.03
5	15.0	544	10331	94.28	17	210.0	652	3631	33.14	29	2800.0	30	76	0.69
6	19.0	516	9787	89.31	18	260.0	549	2979	27.19	30	3500.0	23	46	0.42
7	24.0	499	9271	84.60	19	320.0	530	2430	22.18	31	4400.0	11	23	0.21
8	30.0	465	8772	80.05	20	400.0	416	1900	17.34	32	5400.0	9	12	0.11
9	37.0	435	8307	75.81	21	500.0	353	1484	13.54	33	6800.0	1	3	0.03
10	46.0	487	7872	71.84	22	620.0	272	1131	10.32	34	8400.0	2	2	0.02
11	57.0	497	7385	67.39	23	770.0	212	859	7.84					

## 03335700 BIG PINE CREEK NEAR WILLIAMSPORT, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 14.2  
 P90 = 18.4  
 P75 = 38.8  
 P70 = 50.5  
 P50 = 122.0  
 P25 = 286.0  
 P10 = 639.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	7.00 2	7.80 5	7.80 3	8.60 5	9.80 5	13.00 4	14.00 4	14.00 3	23.00 3
1958	27.00 27	28.00 26	31.00 26	32.00 26	41.00 26	45.00 23	78.00 24	110.00 24	242.00 28
1959	33.00 29	33.00 28	34.00 28	34.00 27	37.00 24	42.00 21	62.00 22	92.00 22	172.00 24
1960	9.40 9	9.60 9	10.00 9	11.00 9	14.00 9	19.00 12	24.00 12	32.00 12	70.00 13
1961	9.20 8	9.20 8	9.20 7	9.40 7	20.00 16	24.00 16	31.00 14	30.00 11	32.00 6
1962	19.00 19	19.00 18	20.00 19	22.00 19	25.00 18	31.00 18	40.00 16	62.00 18	101.00 16
1963	13.00 13	14.00 14	14.00 14	14.00 13	17.00 14	17.00 9	18.00 6	20.00 7	27.00 4
1964	7.80 6	7.80 6	7.80 4	7.80 2	8.50 1	10.00 1	11.00 1	11.00 1	14.00 1
1965	7.60 4	7.60 2	7.70 2	8.30 3	9.40 2	11.00 3	13.00 3	15.00 4	36.00 7
1966	14.00 16	16.00 16	18.00 17	20.00 17	21.00 17	83.00 28	82.00 25	133.00 27	132.00 21
1967	6.50 1	6.50 1	7.00 1	7.40 1	9.50 3	10.00 2	12.00 2	14.00 2	36.00 8
1968	8.50 7	9.20 7	9.80 8	10.00 8	12.00 6	16.00 7	18.00 7	22.00 8	36.00 9
1969	26.00 25	27.00 25	27.00 25	29.00 24	30.00 21	34.00 19	47.00 18	63.00 19	131.00 20
1970	18.00 18	19.00 19	20.00 18	22.00 18	29.00 20	41.00 20	83.00 26	122.00 26	137.00 22
1971	21.00 20	21.00 20	23.00 20	29.00 25	39.00 25	74.00 27	76.00 23	105.00 23	143.00 23
1972	13.00 14	14.00 15	14.00 15	15.00 14	16.00 11	17.00 10	18.00 8	19.00 6	78.00 14
1973	21.00 21	23.00 21	23.00 21	28.00 22	45.00 27	68.00 25	89.00 27	115.00 25	174.00 25
1974	23.00 22	24.00 22	24.00 22	26.00 20	27.00 19	30.00 17	32.00 15	55.00 16	96.00 15
1975	23.00 23	26.00 23	27.00 23	29.00 23	34.00 23	47.00 24	48.00 19	61.00 17	110.00 17
1976	27.00 26	29.00 27	32.00 27	37.00 28	56.00 28	70.00 26	109.00 28	161.00 28	209.00 26
1977	11.00 11	12.00 11	12.00 11	12.00 10	12.00 7	14.00 5	15.00 5	16.00 5	17.00 2
1978	7.70 5	7.80 3	8.00 5	9.00 6	17.00 12	20.00 13	52.00 20	70.00 20	233.00 27
1979	17.00 17	17.00 17	17.00 16	18.00 16	18.00 15	22.00 14	24.00 13	36.00 14	51.00 10
1980	26.00 24	26.00 24	27.00 24	27.00 21	32.00 22	43.00 22	54.00 21	83.00 21	112.00 18
1981	12.00 12	12.00 12	12.00 12	13.00 12	15.00 10	17.00 11	21.00 11	23.00 9	27.00 5
1982	32.00 28	34.00 29	39.00 29	54.00 29	141.00 29	149.00 29	200.00 29	228.00 29	285.00 29
1983	14.00 15	14.00 13	14.00 13	15.00 15	17.00 13	22.00 15	45.00 17	53.00 15	115.00 19
1984	7.40 3	7.80 4	8.00 6	8.60 4	9.70 4	16.00 8	19.00 9	29.00 10	69.00 12
1985	10.00 10	11.00 10	11.00 10	12.00 11	13.00 8	15.00 6	21.00 10	33.00 13	55.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	1800.00 29	1150.00 30	730.00 30	708.00 30	630.00 29	440.00 29	353.00 28	335.00 24	259.00 27
1957	8400.00 2	4340.00 4	2340.00 12	1410.00 14	1270.00 4	1010.00 4	864.00 4	810.00 3	567.00 7
1958	5630.00 7	4340.00 5	3580.00 1	2100.00 1	1230.00 8	1150.00 2	838.00 6	665.00 8	493.00 9
1959	9150.00 1	4890.00 2	3060.00 3	1830.00 5	1310.00 3	965.00 6	921.00 2	844.00 2	614.00 4
1960	2800.00 24	2230.00 22	1690.00 21	991.00 24	806.00 20	504.00 25	489.00 22	434.00 22	400.00 20
1961	2390.00 26	2030.00 25	1570.00 23	1150.00 21	1010.00 12	804.00 12	658.00 11	539.00 15	410.00 19
1962	2760.00 25	2200.00 23	1510.00 25	987.00 25	822.00 19	709.00 17	615.00 16	519.00 17	432.00 17
1963	5320.00 9	4310.00 6	2340.00 13	1260.00 19	757.00 24	477.00 28	346.00 29	285.00 29	216.00 30
1964	4910.00 10	3350.00 15	2030.00 19	1170.00 20	794.00 22	482.00 27	380.00 25	335.00 25	237.00 28
1965	2000.00 28	1560.00 28	1130.00 27	759.00 29	728.00 27	547.00 22	456.00 23	414.00 23	345.00 23
1966	1580.00 30	1440.00 29	972.00 29	780.00 27	522.00 30	363.00 30	324.00 30	286.00 28	283.00 25
1967	2840.00 23	2310.00 21	1550.00 24	1030.00 23	746.00 26	637.00 20	545.00 19	504.00 20	424.00 18
1968	7050.00 3	3880.00 9	2830.00 5	1720.00 7	986.00 13	696.00 18	529.00 20	551.00 12	494.00 8
1969	4280.00 17	3610.00 12	2260.00 16	1410.00 15	935.00 18	577.00 21	560.00 18	540.00 14	486.00 12
1970	4890.00 11	3830.00 10	2590.00 8	1600.00 11	1200.00 9	843.00 8	635.00 14	514.00 19	386.00 21
1971	3110.00 21	1810.00 27	1110.00 28	776.00 28	630.00 28	514.00 24	375.00 26	318.00 27	286.00 24
1972	2270.00 27	1970.00 26	1440.00 26	973.00 26	777.00 23	491.00 26	396.00 24	329.00 26	272.00 26
1973	4580.00 12	3550.00 14	2350.00 11	1380.00 16	959.00 15	783.00 14	654.00 12	686.00 7	631.00 3
1974	4560.00 13	3680.00 11	2570.00 9	1710.00 8	1020.00 11	815.00 10	850.00 5	769.00 4	725.00 1
1975	4240.00 19	3010.00 20	1830.00 20	1110.00 22	797.00 21	730.00 15	592.00 17	519.00 18	467.00 15

## 03335700 BIG PINE CREEK NEAR WILLIAMSPORT, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1976	2870.00	22	2150.00	24	1610.00	22	1330.00	18	937.00	17	658.00	19	498.00	21	453.00	21	371.00	22
1977	4320.00	15	3230.00	17	2270.00	15	1350.00	17	750.00	25	539.00	23	365.00	27	281.00	30	235.00	29
1978	4280.00	18	3140.00	18	2230.00	17	1680.00	9	1250.00	5	814.00	11	706.00	9	595.00	11	490.00	10
1979	5500.00	8	3940.00	8	2490.00	10	1970.00	3	1240.00	7	1090.00	3	873.00	3	698.00	6	582.00	6
1980	6600.00	4	4460.00	3	2900.00	4	1680.00	10	957.00	16	716.00	16	696.00	10	638.00	9	477.00	13
1981	4310.00	16	3290.00	16	2690.00	6	1810.00	6	1250.00	6	794.00	13	621.00	15	544.00	13	476.00	14
1982	4210.00	20	3600.00	13	2210.00	18	1880.00	4	1560.00	1	1170.00	1	978.00	1	851.00	1	691.00	2
1983	6380.00	6	4130.00	7	2600.00	7	1510.00	13	1090.00	10	869.00	7	646.00	13	538.00	16	490.00	11
1984	4560.00	14	3060.00	19	2300.00	14	1560.00	12	975.00	14	821.00	9	787.00	7	763.00	5	596.00	5
1985	6540.00	5	5470.00	1	3390.00	2	2100.00	2	1440.00	2	993.00	5	711.00	8	615.00	10	448.00	16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	83.00	2
1958	418.00	27
1959	443.00	28
1960	261.00	13
1961	205.00	8
1962	314.00	20
1963	172.00	5
1964	64.00	1
1965	179.00	6
1966	243.00	11
1967	217.00	9
1968	234.00	10
1969	303.00	17
1970	255.00	12
1971	311.00	18
1972	119.00	4
1973	396.00	26
1974	369.00	24
1975	375.00	25
1976	314.00	19
1977	97.00	3
1978	350.00	23
1979	274.00	15
1980	298.00	16
1981	192.00	7
1982	512.00	29
1983	266.00	14
1984	344.00	22
1985	329.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	189.00	25
1957	302.00	11
1958	371.00	4
1959	334.00	6
1960	257.00	18
1961	221.00	22
1962	275.00	14
1963	120.00	30
1964	125.00	29
1965	215.00	23
1966	169.00	27
1967	232.00	21
1968	320.00	10
1969	286.00	12
1970	269.00	17
1971	204.00	24
1972	185.00	26
1973	421.00	1
1974	407.00	3
1975	334.00	7
1976	238.00	20
1977	138.00	28
1978	367.00	5
1979	321.00	9
1980	274.00	15
1981	273.00	16
1982	419.00	2
1983	283.00	13
1984	328.00	8
1985	248.00	19

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1956	210.00	288.00	103.00	60.80	467.00	390.00	160.00	250.00	188.00	101.00	51.60	16.60
1957	10.80	15.60	17.10	62.70	70.60	50.10	652.00	529.00	773.00	1113.0	269.00	44.20
1958	102.00	203.00	726.00	270.00	133.00	169.00	151.00	144.00	1187.0	865.00	426.00	56.10
1959	37.90	138.00	140.00	426.00	1182.0	625.00	945.00	422.00	93.00	31.70	21.50	23.20
1960	58.90	205.00	205.00	236.00	515.00	393.00	549.00	184.00	503.00	163.00	69.60	30.10
1961	22.90	43.90	29.10	27.00	110.00	734.00	667.00	537.00	153.00	170.00	109.00	43.40
1962	29.60	115.00	142.00	505.00	650.00	674.00	245.00	299.00	138.00	443.00	45.80	30.50
1963	50.90	24.70	17.50	16.80	21.20	709.00	202.00	101.00	102.00	146.00	21.50	9.58
1964	10.60	13.20	9.47	20.80	21.60	104.00	792.00	139.00	190.00	182.00	21.50	9.65
1965	12.10	18.90	20.00	276.00	224.00	282.00	718.00	362.00	178.00	160.00	27.70	315.00
1966	125.00	75.80	304.00	253.00	150.00	244.00	375.00	346.00	98.10	25.50	13.90	9.90
1967	14.40	70.40	441.00	141.00	393.00	679.00	395.00	491.00	97.60	36.30	22.30	12.30
1968	22.60	32.10	471.00	390.00	722.00	135.00	350.00	835.00	352.00	189.00	311.00	43.80
1969	30.40	82.20	166.00	699.00	348.00	223.00	728.00	319.00	298.00	443.00	61.50	41.40
1970	207.00	305.00	139.00	101.00	143.00	268.00	1023.0	583.00	150.00	101.00	62.80	146.00

## WABASH RIVER BASIN

03335700 BIG PINE CREEK NEAR WILLIAMSPORT, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	205.00	214.00	156.00	95.00	622.00	413.00	114.00	122.00	154.00	328.00	29.10	20.10
1972	16.90	16.90	232.00	171.00	77.50	137.00	760.00	212.00	200.00	86.70	55.80	261.00
1973	243.00	599.00	701.00	637.00	307.00	688.00	841.00	270.00	457.00	146.00	127.00	30.30
1974	32.50	67.10	413.00	944.00	500.00	615.00	755.00	628.00	705.00	125.00	49.00	57.70
1975	40.30	157.00	238.00	708.00	750.00	328.00	274.00	190.00	590.00	109.00	360.00	305.00
1976	82.90	70.10	328.00	205.00	803.00	478.00	180.00	116.00	412.00	163.00	27.10	15.90
1977	18.50	17.80	16.10	12.50	36.70	150.00	122.00	167.00	27.70	18.10	323.00	745.00
1978	725.00	214.00	730.00	116.00	51.60	923.00	500.00	586.00	239.00	177.00	76.50	24.90
1979	19.50	27.20	82.80	111.00	382.00	1059.0	915.00	316.00	159.00	501.00	231.00	56.00
1980	32.50	129.00	203.00	145.00	216.00	675.00	664.00	148.00	956.00	78.50	38.10	27.00
1981	16.10	20.00	35.70	28.00	259.00	67.70	370.00	1117.0	306.00	159.00	354.00	544.00
1982	269.00	226.00	161.00	470.00	934.00	1251.0	635.00	344.00	566.00	102.00	88.10	19.60
1983	24.40	135.00	599.00	186.00	238.00	260.00	760.00	871.00	170.00	109.00	28.90	11.10
1984	40.00	65.20	454.00	102.00	698.00	825.00	590.00	868.00	206.00	63.40	20.70	13.60
1985	42.10	81.80	162.00	334.00	916.00	694.00	521.00	114.00	65.40	27.40	57.10	18.20

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

19.19

26.60

71.00

86.90

127.00

210.00

## FIFTIETH PERCENTILE

35.20

78.80

164.00

179.00

328.00

403.00

## SEVENTY FIFTH PERCENTILE

108.00

204.00

420.00

399.00

662.00

690.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

267.00

162.00

147.00

84.60

27.50

16.39

## FIFTIETH PERCENTILE

570.00

318.00

195.00

146.00

56.40

30.20

## SEVENTY FIFTH PERCENTILE

756.00

549.00

469.00

184.00

153.00

56.50

## 03336000 WABASH RIVER AT COVINGTON, IN

LOCATION.--Lat 40°08'24", long 87°24'24", in NE¼NW¼ sec.35, T.20 N., R.9 W., Warren County, Hydrologic Unit 05120108, on right approach to old U.S. Highway 136 bridge at Covington, 2.9 mi downstream from Oppossum Run, 3.6 mi upstream from Spring Creek, and at mile 271.1.

DRAINAGE AREA.--8,218 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1939 to September 1985. Gage-height records collected at site 0.4 mi downstream January 1927 to December 1930, and at present site since January 1931 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 473.97 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, nonrecording gage on old bridge.

REMARKS.--Flow partially regulated by upstream reservoirs and power development.

AVERAGE DISCHARGE.--46 years, 7,416 ft<sup>3</sup>/s, 12.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 147,000 ft<sup>3</sup>/s May 20, 1943, gage height, 32.44 ft; minimum daily, 487 ft<sup>3</sup>/s Sept. 29, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 35.1 ft, from floodmark determined by National Weather Service, discharge, 200,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34					
1940				8	36	46	22	31	40	14	8	11	12	NUMBER OF DAYS IN CLASS										25	32	32	6	6	6	5	8	8	4	3	1	2				
1941		36	23	9	12	9	56	27	60	49	40	12	6	11	5	4	1	1	1	1	2																			
1942		3	1		5	5	10	12	53	28	35	29	34	27	20	16	13	9	11	7	8	3	7	7	9	7	4	2												
1943									8	10	19	26	19	38	46	36	31	25	32	20	11	4	8	3	5	8	1	3	3	3	1	1	1	1	2					
1944				5	21	24	45	47	48	26	11	8	7	8	6	12	5	10	10	23	19	4	4	6	5	1	3	3	2	1	2									
1945				10	35	30	46	14	20	11	10	12	11	11	25	24	26	16	10	14	12	4	7	5	2	3	3	4												
1946				1	16	12	19	7	20	6	12	25	30	45	34	16	17	11	12	23	19	7	5	14	7	6	1													
1947		13	4	1	7	9	41	27	56	28	13	16	24	14	16	7	17	18	16	3	9	8	7	4	6	1														
1948				3	20	16	22	26	59	26	23	12	25	23	21	14	6	10	11	3	5	14	13	7	6	1														
1949							18	46	9	11	11	19	15	26	37	25	29	18	18	12	13	6	7	8	15	5	5	5	5	2										
1950							3		1	15	25	33	19	22	27	17	16	14	9	17	17	19	26	16	15	11	9	7	9	13	2	3								
1951								5	20	9	28	22	15	23	37	32	24	14	21	24	15	12	13	15	14	9	6	2	3	2										
1952								2	11	25	17	15	24	15	25	21	12	21	32	26	25	18	6	13	14	16	12	11	5											
1953				1	25	18	31	21	13	20	20	19	32	41	28	16	18	14	15	8	4	9	3	7	2															
1954				28	35	93	19	19	25	33	18	18	10	19	18	13	5	5	5	1	1																			
1955				10	11	15	13	12	18	35	28	25	22	38	19	19	25	17	14	16	10	5	2	5	5	1														
1956				11	10	12	13	14	22	28	29	33	19	18	18	23	31	17	16	22	6	14	6	2	2															
1957				15	42	5	9	9	24	20	24	22	23	16	24	11	13	10	6	15	17	10	11	12	10	5	6	3	3											
1958								10	7	30	23	20	45	48	32	35	24	17	7	13	5	10	7	10	5	5	2	2	1	1	2	3	1							
1959				8	8	19	16	34	33	29	22	23	13	10	15	11	15	15	31	12	12	6	11	6	3	2	2	3	3	2	1									
1960							3	26	22	19	18	15	43	49	22	45	32	15	18	8	6	8	6	3	2	4	2													
1961		1		1	5	37	57	36	20	23	23	11	21	20	12	15	8	7	9	13	5	8	4	9	9	5	1	2	3											
1962						3	12	26	6	28	25	28	45	25	22	30	31	13	14	16	5	6	11	4	3	6	5	1												
1963				22	22	60	67	46	23	14	23	13	9	6	6	9	13	4	9	5	4	1		2	1		3	1	2											
1964		10	44	62	36	35	11	9	26	18	11	5	13	9	12	7	9	6	4	8	8	5	6	5	1	2		1	3											

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	9132	100.00	12	3200.0	464	5042	55.21	24	24000.0	178	523	5.73
1	487.0	39	9132	100.00	13	3700.0	594	4578	50.13	25	29000.0	114	345	3.78
2	580.0	43	9093	99.57	14	4400.0	649	3984	43.63	26	34000.0	87	231	2.53
3	680.0	133	9050	99.10	15	5300.0	447	3335	36.52	27	40000.0	51	144	1.58
4	810.0	316	8917	97.65	16	6200.0	466	2888	31.63	28	48000.0	34	93	1.02
5	960.0	263	8601	94.19	17	7400.0	394	2422	26.52	29	57000.0	33	59	0.65
6	1100.0	547	8338	91.31	18	8800.0	314	2028	22.21	30	67000.0	9	26	0.28
7	1400.0	488	7791	85.32	19	10000.0	343	1714	18.77	31	80000.0	8	17	0.19
8	1600.0	600	7303	79.97	20	12000.0	327	1371	15.01	32	95000.0	5	9	0.10
9	1900.0	479	6703	73.40	21	15000.0	151	1044	11.43	33	110000.0	2	4	0.04
10	2200.0	637	6224	68.16	22	17000.0	196	893	9.78	34	130000.0	2	2	0.02
11	2700.0	545	5587	61.18	23	20000.0	174	697	7.63					

## 03336000 WABASH RIVER AT COVINGTON, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 925.0  
 P90 = 1170.0  
 P75 = 1830.0  
 P70 = 2090.0  
 P50 = 3710.0  
 P25 = 7890.0  
 P10 = 16700.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	660.00 2	672.00 2	673.00 2	679.00 2	765.00 2	775.00 2	853.00 3	964.00 3	1290.00 4
1942	487.00 1	491.00 1	497.00 1	503.00 1	541.00 1	578.00 1	749.00 1	918.00 2	1330.00 5
1943	1520.00 20	1630.00 21	1690.00 21	1900.00 21	2310.00 23	2490.00 20	2830.00 20	3500.00 19	3790.00 17
1944	800.00 8	900.00 9	1110.00 13	1280.00 14	1380.00 12	1440.00 10	1580.00 10	1920.00 10	2270.00 10
1945	700.00 5	700.00 4	743.00 4	844.00 6	894.00 6	969.00 5	1030.00 6	1070.00 6	1070.00 2
1946	1430.00 19	1500.00 19	1570.00 19	1630.00 19	2120.00 21	3090.00 23	3390.00 23	4850.00 24	4570.00 21
1947	770.00 7	770.00 6	774.00 5	788.00 4	843.00 5	998.00 7	1140.00 7	1360.00 7	1760.00 9
1948	1300.00 17	1320.00 16	1340.00 16	1420.00 16	1710.00 18	2000.00 18	2110.00 15	2150.00 12	2520.00 11
1949	1040.00 14	1050.00 14	1130.00 14	1240.00 13	1410.00 14	1470.00 11	1690.00 11	2170.00 14	3050.00 15
1950	1230.00 16	1240.00 15	1270.00 15	1320.00 15	1610.00 17	1720.00 16	2440.00 17	3020.00 17	3740.00 16
1951	2070.00 24	2120.00 24	2280.00 24	2370.00 24	2830.00 24	4380.00 24	4750.00 24	4600.00 23	5740.00 23
1952	1180.00 15	1330.00 17	1430.00 18	1480.00 18	1560.00 16	1720.00 17	2220.00 16	2830.00 16	4320.00 20
1953	1350.00 18	1370.00 18	1380.00 17	1450.00 17	1500.00 15	1690.00 15	1940.00 14	2170.00 15	2670.00 12
1954	840.00 9	863.00 8	871.00 7	891.00 7	901.00 7	978.00 6	1020.00 5	1060.00 5	1260.00 3
1955	990.00 12	997.00 12	1000.00 11	1040.00 10	1380.00 13	1560.00 13	1720.00 12	2020.00 11	2780.00 13
1956	900.00 10	903.00 10	910.00 8	947.00 8	1070.00 8	1480.00 12	2730.00 18	3360.00 18	3960.00 18
1957	750.00 6	763.00 5	780.00 6	796.00 5	814.00 4	839.00 4	905.00 4	1050.00 4	1480.00 6
1958	1590.00 21	1620.00 20	1650.00 20	1700.00 20	1890.00 19	2310.00 19	2880.00 21	3760.00 21	6830.00 22
1959	1910.00 23	1980.00 23	2020.00 23	2050.00 22	2110.00 20	2660.00 22	3330.00 22	3960.00 22	5380.00 24
1960	1040.00 13	1040.00 13	1050.00 12	1170.00 11	1320.00 10	1590.00 14	1920.00 13	2160.00 13	3040.00 14
1961	670.00 3	850.00 7	996.00 9	1180.00 12	1330.00 11	1330.00 9	1450.00 9	1470.00 9	1650.00 8
1962	1650.00 22	1650.00 22	1880.00 22	2120.00 23	2240.00 22	2650.00 21	2820.00 19	3530.00 20	4220.00 19
1963	900.00 11	967.00 11	1000.00 10	1040.00 9	1130.00 9	1190.00 8	1280.00 8	1390.00 8	1520.00 7
1964	675.00 4	675.00 3	700.00 3	703.00 3	773.00 3	829.00 3	846.00 2	846.00 1	1050.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	28800.00 23	25400.00 23	18800.00 23	13100.00 23	11300.00 23	8810.00 23	7850.00 23	7140.00 23	5560.00 23
1941	12600.00 25	11900.00 25	9350.00 25	6180.00 25	4210.00 25	3040.00 25	3160.00 25	2850.00 25	2530.00 25
1942	42600.00 15	40400.00 15	33300.00 16	25000.00 16	17900.00 16	16400.00 15	15200.00 14	12400.00 14	9720.00 16
1943	143000.00 1	133000.00 1	103000.00 1	75500.00 1	46300.00 2	27000.00 3	21600.00 3	18100.00 4	15300.00 4
1944	70400.00 5	67100.00 5	54700.00 5	41800.00 5	29500.00 8	21000.00 7	17700.00 9	14900.00 10	10400.00 13
1945	45400.00 13	42900.00 13	34800.00 15	22500.00 18	15700.00 21	14400.00 16	13100.00 15	12200.00 15	9620.00 17
1946	36000.00 19	31100.00 20	26100.00 20	23100.00 17	15400.00 22	12800.00 19	13000.00 16	11100.00 16	9940.00 14
1947	40100.00 18	38700.00 18	36200.00 14	26300.00 15	19500.00 15	18700.00 13	15900.00 13	13100.00 13	10800.00 12
1948	41200.00 17	39100.00 17	37800.00 12	30900.00 12	28000.00 9	20300.00 10	17500.00 11	14700.00 11	11600.00 10
1949	61100.00 7	57500.00 8	45700.00 11	40900.00 6	32900.00 5	27200.00 2	21300.00 4	18100.00 5	14200.00 6
1950	91500.00 4	85000.00 4	70200.00 4	66000.00 2	52000.00 1	40700.00 1	33600.00 1	32400.00 1	24700.00 1
1951	58400.00 10	57000.00 9	50400.00 7	37600.00 8	25900.00 10	20600.00 9	18000.00 8	16700.00 7	15200.00 5
1952	43400.00 14	41100.00 14	32300.00 18	30600.00 13	25400.00 11	19700.00 12	19100.00 6	18800.00 3	16800.00 2
1953	30400.00 21	28500.00 21	24300.00 21	21300.00 20	17400.00 17	13400.00 18	11300.00 19	10100.00 21	8600.00 19
1954	15400.00 24	14000.00 24	11500.00 24	9370.00 24	7540.00 24	5980.00 24	5700.00 24	5000.00 24	4050.00 24
1955	35300.00 20	33400.00 19	29200.00 19	21600.00 19	16300.00 20	12300.00 21	11300.00 20	10600.00 19	8860.00 18
1956	29600.00 22	28300.00 22	23200.00 22	19900.00 22	16900.00 18	12700.00 20	10700.00 21	10600.00 20	8490.00 20
1957	54800.00 11	52900.00 11	47300.00 10	35200.00 9	29800.00 7	20900.00 8	17600.00 10	17000.00 6	13000.00 7
1958	112000.00 2	107000.00 2	94500.00 2	63400.00 3	37300.00 3	26100.00 4	20500.00 5	16300.00 8	12600.00 8
1959	97300.00 3	92000.00 3	74300.00 3	47800.00 4	36500.00 4	26100.00 5	23100.00 2	21800.00 2	16100.00 3
1960	42300.00 16	40100.00 16	32600.00 17	20900.00 21	16300.00 19	12200.00 22	11500.00 18	10800.00 17	9820.00 15
1961	62100.00 6	60400.00 6	53300.00 6	40900.00 7	30200.00 6	22900.00 6	18800.00 7	15300.00 9	11900.00 9
1962	49200.00 12	45200.00 12	36200.00 13	30200.00 14	24900.00 12	20100.00 11	17200.00 12	14400.00 12	11400.00 11
1963	60000.00 9	56700.00 10	47400.00 8	31100.00 11	20600.00 14	13600.00 17	10300.00 22	8460.00 22	6350.00 22
1964	60900.00 8	58800.00 7	47300.00 9	32100.00 10	23500.00 13	17200.00 14	12800.00 17	10700.00 18	8020.00 21

## 03336000 WABASH RIVER AT COVINGTON, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	2830.00	1
1942	4290.00	6
1943	6720.00	12
1944	8100.00	16
1945	5700.00	10
1946	8700.00	17
1947	4170.00	5
1948	7890.00	15
1949	9910.00	20
1950	12400.00	24
1951	11400.00	22
1952	9620.00	18
1953	7330.00	14
1954	3380.00	3
1955	5600.00	8
1956	5980.00	11
1957	4010.00	4
1958	9930.00	21
1959	11900.00	23
1960	7270.00	13
1961	5660.00	9
1962	9760.00	19
1963	4780.00	7
1964	2860.00	2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	3330.00	23
1941	1860.00	25
1942	6110.00	17
1943	10100.00	3
1944	6000.00	18
1945	5610.00	19
1946	6780.00	13
1947	6520.00	14
1948	7080.00	10
1949	8840.00	7
1950	15000.00	1
1951	9860.00	5
1952	10300.00	2
1953	5480.00	20
1954	2670.00	24
1955	6120.00	16
1956	6210.00	15
1957	7570.00	9
1958	9910.00	4
1959	9560.00	6
1960	6930.00	11
1961	6860.00	12
1962	7670.00	8
1963	3870.00	22
1964	4510.00	21

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	1225.0	1496.0	1319.0	1826.0	2850.0	7673.0	9560.0	6036.0	4868.0	1586.0	806.00	783.00
1941	1176.0	1375.0	2215.0	1939.0	1822.0	1915.0	3536.0	1814.0	4112.0	1320.0	640.00	545.00
1942	1268.0	2457.0	2071.0	1939.0	16700.0	16060.0	13130.0	4186.0	5092.0	2443.0	6352.0	2634.0
1943	2411.0	7150.0	6983.0	9777.0	8431.0	12250.0	5354.0	43540.0	9120.0	6231.0	6062.0	3824.0
1944	1743.0	3059.0	1645.0	1416.0	3699.0	10910.0	27830.0	13780.0	4731.0	1462.0	1093.0	925.00
1945	1114.0	1305.0	1039.0	1023.0	3873.0	10430.0	14530.0	13880.0	9276.0	3665.0	3803.0	3344.0
1946	9677.0	3600.0	4199.0	13820.0	11170.0	13530.0	4374.0	7582.0	8335.0	2906.0	1366.0	954.00
1947	1128.0	2053.0	2490.0	6123.0	7382.0	5636.0	14530.0	15510.0	15960.0	3214.0	2211.0	2416.0
1948	1722.0	2296.0	3346.0	7135.0	6622.0	19810.0	18300.0	12100.0	5363.0	4442.0	2277.0	1517.0
1949	1424.0	4268.0	6837.0	31440.0	22690.0	9141.0	6862.0	8396.0	6772.0	5049.0	2323.0	1671.0
1950	5623.0	2786.0	10750.0	49700.0	28980.0	20150.0	28170.0	8019.0	9762.0	6125.0	2852.0	7844.0
1951	3715.0	6929.0	13310.0	14230.0	23300.0	13480.0	16030.0	9447.0	4897.0	9503.0	2703.0	1721.0
1952	2380.0	4825.0	7575.0	21090.0	17480.0	17900.0	18480.0	13750.0	11410.0	3384.0	2772.0	2527.0
1953	1649.0	2045.0	4195.0	5773.0	5865.0	16160.0	9508.0	7869.0	4316.0	4917.0	2326.0	1041.0
1954	928.00	1093.0	1202.0	1739.0	2171.0	3468.0	7433.0	3836.0	5123.0	1847.0	1912.0	1431.0
1955	6449.0	2390.0	3580.0	11200.0	5793.0	16030.0	8478.0	5045.0	5718.0	5223.0	2153.0	1074.0
1956	4923.0	9848.0	3873.0	2065.0	11960.0	11780.0	5867.0	10160.0	7596.0	3825.0	1836.0	1116.0
1957	820.00	942.00	1774.0	4314.0	4874.0	5111.0	28470.0	12610.0	8797.0	17520.0	3092.0	2571.0
1958	3750.0	5782.0	18620.0	7353.0	3827.0	6403.0	4790.0	3960.0	36010.0	13460.0	11130.0	3525.0
1959	2459.0	5673.0	4298.0	11200.0	34450.0	14130.0	18410.0	15180.0	4539.0	3199.0	1702.0	1603.0
1960	2723.0	5188.0	6046.0	8666.0	13850.0	6622.0	13980.0	7406.0	8328.0	5233.0	3858.0	1808.0
1961	1511.0	1673.0	1378.0	1391.0	2256.0	18820.0	22680.0	14200.0	4735.0	3636.0	7180.0	2536.0
1962	2885.0	5112.0	3970.0	13970.0	12400.0	23910.0	6707.0	5957.0	5045.0	8303.0	2170.0	1687.0
1963	1903.0	1716.0	1334.0	1171.0	1357.0	19510.0	6728.0	3900.0	3027.0	3095.0	1474.0	918.00
1964	780.00	945.00	810.00	1513.0	1365.0	9639.0	22350.0	5818.0	4364.0	4574.0	1170.0	874.00

## WABASH RIVER BASIN

03336000 WABASH RIVER AT COVINGTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1201.00	1585.00	1512.00	1783.00	3275.00	7148.00
FIFTIETH PERCENTILE					
1743.00	2457.00	3580.00	6123.00	6622.00	12250.00
SEVENTY FIFTH PERCENTILE					
3300.00	5150.00	6442.00	12510.00	15280.00	17030.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
6718.00	5432.00	4733.00	3001.00	1588.00	998.00
FIFTIETH PERCENTILE					
13130.00	8019.00	5363.00	3825.00	2277.00	1671.00
SEVENTY FIFTH PERCENTILE					
18450.00	13770.00	8959.00	5679.00	3448.00	2554.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1970						5	17	29	20	20	27	30	44	27	25	24	7	12	15	20	10	15	7	4	5	2											
1971				4	16	11	18	28	24	32	34	43	38	24	21	17	6	9	11	6	4	4	11	4													
1972				1	4	21	58	39	34	26	20	15	20	18	17	16	18	23	5	11	11	5				4											
1973						15	19	10	9	7	20	20	29	20	14	22	31	53	34	23	22	12	3	2													
1974					4	28	26	27	40	17	6	16	15	19	8	13	12	13	32	37	16	12	8	11	1		2	2									
1975					4	12	6	23	23	29	33	29	29	22	26	23	30	23	27	8	6	2	8	2													
1976					9	12	16	16	24	51	39	54	20	18	18	9	9	9	14	11	7	9	6	10	3	2											
1977	32	10	15	25	35	37	53	14	20	18	13	12	15	14	8	12	8	7	10	5	2																
1978					3	12	29	37	46	11	23	31	28	13	11	10	17	20	13	18	6	6	13	11	3	4											
1979					2	30	51	35	22	24	29	24	31	23	11	12	8	10	8	14	10	10	5	2	1	3											
1980						12	31	51	26	51	27	27	17	11	17	24	12	9	9	11	22	5	1	2	1												
1981					10	5	9	33	55	41	22	17	13	14	14	8	15	25	31	16	12	9	8	4	2	2											
1982						13	14	25	9	15	25	42	25	23	23	26	17	16	6	8	3	13	18	24	5	8	5	2									
1983				4	13	30	17	14	16	15	13	17	26	40	22	21	17	10	16	23	13	9	8	7	9	1	1	1	1	1							
1984					16	16	25	13	29	29	23	22	38	25	13	14	5	12	8	12	15	16	11	12	10	2											
1985					14	15	38	23	23	35	48	29	21	15	21	6	9	8	5	5	6	3	11	9	2	12	3		1	2	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	4600.0	418	3049	52.17	24	32000.0	58	129	2.21
1	760.0	32	5844	100.00	13	5400.0	348	2631	45.02	25	38000.0	42	71	1.21
2	890.0	14	5812	99.45	14	6300.0	313	2283	39.07	26	45000.0	19	29	0.50
3	1100.0	32	5798	99.21	15	7500.0	234	1970	33.71	27	53000.0	5	10	0.17
4	1200.0	120	5766	98.67	16	8800.0	196	1736	29.71	28	62000.0	2	5	0.09
5	1500.0	143	5646	96.61	17	10000.0	244	1540	26.35	29	73000.0	2	3	0.05
6	1700.0	274	5503	94.16	18	12000.0	247	1296	22.18	30	86000.0	1	1	0.02
7	2000.0	396	5229	89.48	19	14000.0	266	1049	17.95	31	100000.0	0	0	0.00
8	2400.0	443	4833	82.70	20	17000.0	196	783	13.40	32	120000.0	0	0	0.00
9	2800.0	487	4390	75.12	21	20000.0	162	587	10.04	33	140000.0	0	0	0.00
10	3300.0	403	3903	66.79	22	23000.0	164	425	7.27	34	170000.0	0	0	0.00
11	3900.0	451	3500	59.89	23	27000.0	132	261	4.47					



## 03336000 WABASH RIVER AT COVINGTON, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1630.0  
 P90 = 1970.0  
 P75 = 2810.0  
 P70 = 3110.0  
 P50 = 4840.0  
 P25 = 10600.0  
 P10 = 20100.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	1400.00 7	1430.00 6	1540.00 6	1760.00 8	2090.00 10	3050.00 12	3100.00 12	3460.00 10	3960.00 8
1972	1100.00 3	1100.00 3	1210.00 3	1370.00 3	1460.00 3	1920.00 5	2390.00 8	2550.00 6	3210.00 5
1973	1650.00 11	1760.00 11	1910.00 11	2350.00 13	2580.00 13	3170.00 13	3640.00 13	4610.00 14	7430.00 15
1974	2080.00 14	2120.00 14	2220.00 13	2280.00 11	2450.00 12	2680.00 11	2870.00 10	3900.00 11	4930.00 12
1975	1630.00 10	1670.00 9	1690.00 9	1770.00 9	1800.00 8	2050.00 6	2090.00 3	2260.00 4	3220.00 6
1976	2300.00 15	2420.00 15	2610.00 15	3050.00 15	3290.00 14	3350.00 14	4090.00 14	4280.00 13	5250.00 13
1977	760.00 1	780.00 1	819.00 1	824.00 1	826.00 1	971.00 1	1150.00 1	1360.00 1	1590.00 1
1978	1230.00 4	1270.00 4	1300.00 4	1460.00 5	1750.00 5	1880.00 3	2270.00 6	2920.00 9	4560.00 11
1979	1600.00 9	1670.00 10	1710.00 10	1800.00 10	1940.00 9	2090.00 7	2130.00 4	2250.00 3	2840.00 3
1980	1940.00 13	1980.00 12	2100.00 12	2300.00 12	2370.00 11	2580.00 10	3060.00 11	4070.00 12	4340.00 9
1981	1300.00 5	1300.00 5	1330.00 5	1400.00 4	1750.00 6	2340.00 9	2500.00 9	2500.00 5	2990.00 4
1982	1800.00 12	2070.00 13	2380.00 14	2810.00 14	3930.00 15	4710.00 15	4560.00 15	5070.00 15	6250.00 14
1983	1520.00 8	1590.00 8	1620.00 7	1730.00 7	1790.00 7	2090.00 8	2310.00 7	2580.00 7	4340.00 10
1984	1060.00 2	1080.00 2	1110.00 2	1190.00 2	1250.00 2	1330.00 2	1420.00 2	1740.00 2	2760.00 2
1985	1390.00 6	1460.00 7	1650.00 8	1700.00 6	1740.00 4	1900.00 4	2240.00 5	2730.00 8	3530.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	41400.00 11	39500.00 11	35900.00 8	29200.00 9	24400.00 8	18900.00 10	15200.00 11	13500.00 11	11100.00 13
1971	30800.00 15	29800.00 15	27800.00 15	25300.00 13	19800.00 13	15100.00 14	11100.00 15	9840.00 15	8070.00 15
1972	44100.00 8	42300.00 7	36400.00 7	29400.00 8	24300.00 9	17700.00 13	14200.00 12	12200.00 12	11200.00 12
1973	40300.00 12	38000.00 12	33100.00 13	25400.00 12	23000.00 11	20500.00 6	18100.00 5	16800.00 4	17300.00 2
1974	54900.00 4	51700.00 4	44700.00 4	36900.00 4	27700.00 4	23100.00 4	20900.00 2	19900.00 2	17100.00 3
1975	34100.00 14	32600.00 14	28100.00 14	21300.00 15	16900.00 15	14600.00 15	13200.00 14	12000.00 13	11700.00 9
1976	42000.00 10	39900.00 10	35800.00 9	32000.00 5	27300.00 5	19800.00 7	15400.00 9	13900.00 10	10800.00 14
1977	20300.00 16	19300.00 16	16700.00 16	13500.00 16	11800.00 16	9250.00 16	7780.00 16	6380.00 16	5290.00 16
1978	52600.00 5	50900.00 5	45800.00 3	39500.00 3	34000.00 3	24800.00 3	19800.00 4	16600.00 6	13800.00 4
1979	52600.00 6	48500.00 6	41000.00 6	31700.00 6	25000.00 6	21900.00 5	17400.00 7	14200.00 9	11300.00 11
1980	45800.00 7	42100.00 8	34300.00 11	25200.00 14	23800.00 10	19200.00 9	15300.00 10	14700.00 7	11800.00 8
1981	43000.00 9	40300.00 9	34600.00 10	27500.00 11	19800.00 14	18500.00 11	16400.00 8	14300.00 8	11600.00 10
1982	56400.00 3	54700.00 3	49700.00 2	43600.00 2	36500.00 2	31900.00 1	26200.00 1	22300.00 1	17800.00 1
1983	64100.00 2	54900.00 2	42600.00 5	28900.00 10	22600.00 12	17800.00 12	13700.00 13	11600.00 14	12000.00 7
1984	40200.00 13	37600.00 13	34100.00 12	31100.00 7	24800.00 7	19700.00 8	17600.00 6	16700.00 5	13700.00 6
1985	91100.00 1	85100.00 1	66600.00 1	52500.00 1	40200.00 1	28500.00 2	20400.00 3	18200.00 3	13800.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	8140.00 8
1972	5100.00 2
1973	12700.00 15
1974	11100.00 13
1975	8150.00 9
1976	9030.00 11
1977	3470.00 1
1978	7280.00 4
1979	7870.00 7
1980	7660.00 5
1981	6170.00 3
1982	12500.00 14
1983	7820.00 6
1984	8510.00 10
1985	9710.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	8030.00 9
1971	5880.00 15
1972	7790.00 10
1973	12500.00 1
1974	10500.00 3
1975	8100.00 8
1976	7030.00 14
1977	3900.00 16
1978	9280.00 4
1979	7220.00 13
1980	8280.00 7
1981	7600.00 11
1982	10800.00 2
1983	7600.00 12
1984	8500.00 5
1985	8300.00 6

## 03336000 WABASH RIVER AT COVINGTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	7615.0	10990.0	6197.0	3799.0	8658.0	8461.0	18950.0	17320.0	4569.0	3074.0	3704.0	3305.0
1971	4387.0	5597.0	4848.0	2726.0	16270.0	13710.0	3803.0	5060.0	6742.0	3790.0	1510.0	3027.0
1972	3179.0	2631.0	11940.0	8347.0	3696.0	7252.0	22770.0	12090.0	6223.0	4169.0	2661.0	8511.0
1973	12030.0	20110.0	16900.0	16840.0	10250.0	19280.0	19810.0	8098.0	12360.0	4639.0	6816.0	2468.0
1974	2890.0	4673.0	12820.0	24170.0	19450.0	15760.0	15320.0	14700.0	9381.0	3141.0	1836.0	2471.0
1975	2110.0	3699.0	6523.0	12070.0	14630.0	12500.0	7818.0	8639.0	14920.0	4529.0	4414.0	6018.0
1976	3404.0	3325.0	10020.0	6528.0	21810.0	17580.0	5512.0	3449.0	5219.0	3918.0	2008.0	2099.0
1977	2112.0	1747.0	1232.0	896.00	2484.0	10870.0	7086.0	4373.0	1761.0	2065.0	4931.0	7227.0
1978	8109.0	5091.0	15170.0	6419.0	2980.0	21510.0	23190.0	12600.0	5953.0	5239.0	2403.0	2102.0
1979	2092.0	3049.0	3901.0	3834.0	5125.0	24740.0	17450.0	6590.0	4537.0	5339.0	7125.0	2609.0
1980	2742.0	4977.0	9053.0	6063.0	6007.0	19260.0	17030.0	4646.0	16370.0	4582.0	5571.0	3159.0
1981	2481.0	2727.0	3023.0	1848.0	8393.0	4848.0	8456.0	19460.0	16650.0	10450.0	5392.0	7678.0
1982	4850.0	5052.0	4886.0	11430.0	20960.0	34840.0	21970.0	7126.0	10800.0	3766.0	2739.0	1826.0
1983	2351.0	6645.0	16590.0	8620.0	6593.0	5035.0	14860.0	19620.0	4871.0	3173.0	1438.0	1264.0
1984	2202.0	3845.0	13290.0	3687.0	16080.0	18030.0	17640.0	13200.0	6610.0	3612.0	2358.0	1864.0
1985	3289.0	5438.0	6233.0	11070.0	17150.0	28550.0	15120.0	3535.0	3799.0	1865.0	2340.0	1846.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2239.00	3118.00	4858.00	3715.00	5346.00	9063.00
FIFTIETH PERCENTILE					
3035.00	4825.00	7788.00	6474.00	9454.00	16670.00
SEVENTY FIFTH PERCENTILE					
4734.00	5557.00	13170.00	11340.00	16930.00	20950.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
7978.00	4750.00	4645.00	3149.00	2091.00	1923.00
FIFTIETH PERCENTILE					
16180.00	8369.00	6417.00	3854.00	2700.00	2540.00
SEVENTY FIFTH PERCENTILE					
19600.00	14330.00	11970.00	4625.00	5277.00	5340.00

03339108 EAST FORK COAL CREEK NEAR HILLSBORO, IN

LOCATION.--Lat 40°06'06", long 87°07'54", in NW1SW4 sec.8, T.19 N., R.6 W., Fountain County, Hydrologic Unit 05120108, at center pier on downstream side of bridge on County Road 700 East, 1.5 mi east of Hillsboro, 3.7 mi northwest of Waynetown, and 9.6 mi upstream from mouth.

DRAINAGE AREA.--33.4 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 673.76 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 38.1 ft<sup>3</sup>/s, 15.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,680 ft<sup>3</sup>/s May 1, 1983, gage height, 10.47 ft; minimum daily, 3.5 ft<sup>3</sup>/s Jan. 16, 17, Feb. 6, 7, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969				19	9	17	16	41	26	18	46	35	21	28	14	17	16	9	10	4	5	5		1	2		3				1	2				
1970				10	17	20	47	21	19	28	31	33	21	23	24	15	11	10	7	6	6	6	2	1	3		2		1							
1971		4	2	28	21	26	49	27	41	38	31	17	12	15	13	8	9	3	2	3	5	2	1	3		1	2					1	1			
1972			3	31	27	22	26	33	40	27	31	27	20	10	13	18	6	8	4	2	3	2	3		1	2	1	2	2	1	1					
1973				2	27	21	22	19	39	34	23	34	29	25	21	20	10	7	10	6		4	2	5	2	1	1	1								
1974					20	45	20	21	22	19	25	22	32	21	20	19	15	10	9	5	12	4	4	2	4	5	3	2	3	1						
1975				2	16	13	12	34	38	28	30	32	39	30	17	14	14	13	6	8	6	3	3	2	2		1	2								
1976			6	17	15	15	15	42	53	56	43	21	11	17	10	5	3	7	4	2	5	3	4	3	1	4		1	3							
1977	34	36	58	52	27	16	16	20	26	16	14	6	14	9	2	6		2	3	2	2		1	1	1		1									
1978		1	6	5	37	19	17	22	32	41	35	27	19	22	12	11	13	9	5	8	11	2	2	2	3	2			1						1	
1979		17	10	4	15	10	15	17	45	38	24	17	17	15	12	16	18	20	12	17	6	4	7	1		1	2	1	1	2				1		
1980	4	7	5	17	30	36	35	33	36	40	15	13	7	14	16	11	13	13	7	4	1	3	1	2		1	1								1	
1981			3	18	34	30	16	16	27	55	34	33	13	18	10	13	6	6	5	3	4	4	1	1	2	6	2	2	1	1	1					
1982				5	17	5	14	23	46	40	24	30	29	33	19	15	14	5	12	4	3	5	7	2	7	2	7	2	2	2						
1983	6	20	15	16	14	13	20	19	22	41	26	30	38	26	16	8	5	6	2	7	4	1	2	6									1		1	
1984	4	11	31	41	31	34	26	34	20	21	17	27	13	11	5	9	4	4	6	6	3	2	2	1	1	1	1									
1985	7	20	18	34	18	16	28	25	52	33	21	18	15	9	6	8	5	7	5	3	4	4	2	1	1	3									1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	25.0	337	2325	37.45	24	210.0	37	164	2.64
1	3.5	48	6209	100.00	13	29.0	396	1988	32.02	25	250.0	31	127	2.05
2	4.2	103	6161	99.23	14	35.0	304	1592	25.64	26	300.0	31	96	1.55
3	5.0	220	6058	97.57	15	42.0	244	1288	20.74	27	350.0	19	65	1.05
4	6.0	272	5838	94.02	16	50.0	199	1044	16.81	28	420.0	16	46	0.74
5	7.1	376	5566	89.64	17	60.0	171	845	13.61	29	500.0	12	30	0.48
6	8.5	410	5190	83.59	18	71.0	142	674	10.86	30	600.0	9	18	0.29
7	10.0	384	4780	76.99	19	85.0	89	532	8.57	31	720.0	3	9	0.14
8	12.0	455	4396	70.80	20	100.0	111	443	7.13	32	860.0	0	6	0.10
9	14.0	557	3941	63.47	21	120.0	84	332	5.35	33	1000.0	4	6	0.10
10	17.0	592	3384	54.50	22	150.0	37	248	3.99	34	1200.0	2	2	0.03
11	21.0	467	2792	44.97	23	170.0	47	211	3.40					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.7

P90 = 7.0

P75 = 10.6

P70 = 12.2

P50 = 18.9

P25 = 35.9

P10 = 76.2

03339108 EAST FORK COAL CREEK NEAR HILLSBORO, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	5.00 9	5.00 9	5.20 8	5.70 8	6.10 4	11.00 12	14.00 13	14.00 9	20.00 10
1971	5.00 10	5.00 10	5.60 10	5.70 9	7.00 8	11.00 13	13.00 10	14.00 10	14.00 4
1972	3.70 4	3.90 4	4.30 5	4.90 5	6.70 7	7.60 5	7.80 3	9.00 3	17.00 6
1973	7.40 13	7.50 13	8.60 15	9.30 14	12.00 15	14.00 15	17.00 15	22.00 15	37.00 15
1974	7.40 14	8.00 15	8.20 14	8.50 12	9.00 12	9.20 8	10.00 6	15.00 11	20.00 11
1975	8.00 16	8.00 16	8.10 13	9.00 13	9.60 13	10.00 9	11.00 7	12.00 5	16.00 5
1976	6.90 12	7.00 12	7.70 11	11.00 15	12.00 14	12.00 14	15.00 14	21.00 14	23.00 13
1977	3.50 1	3.50 1	3.70 1	3.80 1	4.00 1	4.60 1	5.10 1	5.60 1	6.10 1
1978	3.80 5	4.00 5	4.10 2	4.60 3	5.10 3	7.40 3	9.80 4	13.00 8	20.00 12
1979	4.30 6	4.40 6	4.50 6	5.30 6	6.60 5	7.40 4	10.00 5	12.00 6	19.00 7
1980	3.70 2	3.90 2	4.10 3	4.90 4	8.50 10	10.00 10	13.00 11	16.00 12	20.00 8
1981	4.50 7	4.70 7	5.00 7	5.40 7	6.60 6	8.10 6	11.00 8	11.00 4	12.00 3
1982	5.40 11	5.50 11	12.00 16	14.00 16	18.00 16	23.00 16	28.00 16	29.00 16	40.00 16
1983	7.60 15	7.60 14	8.00 12	8.20 11	8.80 11	11.00 11	13.00 12	16.00 13	29.00 14
1984	3.70 3	3.90 3	4.20 4	4.40 2	4.70 2	5.30 2	6.10 2	6.80 2	10.00 2
1985	4.80 8	5.00 8	5.30 9	7.80 10	7.80 9	8.80 7	12.00 9	13.00 7	20.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	672.00 10	613.00 5	334.00 6	200.00 8	139.00 6	92.00 5	75.00 8	65.00 9	56.00 9
1970	691.00 8	324.00 13	227.00 11	163.00 12	103.00 12	86.00 10	71.00 10	61.00 12	48.00 14
1971	800.00 7	353.00 12	174.00 15	103.00 15	84.00 15	60.00 16	44.00 16	47.00 16	40.00 16
1972	812.00 6	596.00 6	365.00 4	212.00 5	138.00 7	88.00 9	89.00 4	77.00 4	56.00 10
1973	524.00 13	278.00 14	203.00 13	162.00 13	121.00 11	90.00 6	72.00 9	70.00 7	69.00 4
1974	643.00 11	463.00 8	338.00 5	219.00 4	145.00 4	107.00 4	97.00 3	89.00 3	91.00 1
1975	427.00 15	274.00 15	160.00 16	97.00 16	78.00 16	70.00 15	63.00 14	64.00 11	57.00 8
1976	491.00 14	423.00 11	225.00 12	175.00 11	125.00 10	78.00 13	63.00 15	54.00 15	45.00 15
1977	371.00 17	188.00 17	153.00 17	91.00 17	53.00 17	38.00 17	30.00 17	24.00 17	25.00 17
1978	1610.00 1	647.00 4	329.00 7	220.00 3	143.00 5	90.00 7	78.00 6	65.00 10	54.00 11
1979	1100.00 3	750.00 2	431.00 2	314.00 1	200.00 1	156.00 1	117.00 1	93.00 2	82.00 3
1980	1100.00 4	544.00 7	323.00 8	178.00 10	100.00 13	70.00 14	69.00 11	66.00 8	50.00 12
1981	677.00 9	448.00 9	309.00 9	196.00 9	130.00 9	80.00 11	76.00 7	74.00 5	59.00 6
1982	585.00 12	439.00 10	306.00 10	210.00 6	172.00 3	122.00 2	99.00 2	100.00 1	86.00 2
1983	1020.00 5	681.00 3	381.00 3	210.00 7	131.00 8	88.00 8	67.00 13	59.00 13	57.00 7
1984	423.00 16	234.00 16	191.00 14	149.00 14	98.00 14	79.00 12	68.00 12	59.00 14	48.00 13
1985	1220.00 2	905.00 1	471.00 1	297.00 2	185.00 2	116.00 3	86.00 5	74.00 6	62.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	28.00 4
1971	33.00 5
1972	24.00 3
1973	59.00 15
1974	44.00 13
1975	46.00 14
1976	41.00 9
1977	17.00 1
1978	37.00 7
1979	42.00 10
1980	39.00 8
1981	24.00 2
1982	61.00 16
1983	42.00 11
1984	35.00 6
1985	42.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	36.00 10
1970	35.00 11
1971	27.00 16
1972	38.00 8
1973	46.00 4
1974	55.00 2
1975	40.00 6
1976	31.00 14
1977	17.00 17
1978	42.00 5
1979	51.00 3
1980	32.00 13
1981	36.00 9
1982	56.00 1
1983	35.00 12
1984	30.00 15
1985	38.00 7

## 03339108 EAST FORK COAL CREEK NEAR HILLSBORO, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT *	NOV *	DEC *	JAN *	FEB *	MARCH *	APRIL *	MAY *	JUNE *	JULY *	AUG *	SEPT *
1968												12.80
1969	10.60	40.30	43.90	109.00	54.80	29.00	51.00	24.20	17.60	16.10	12.10	22.50
1970	29.80	49.30	19.00	26.40	27.60	35.90	98.20	73.00	24.50	13.20	12.60	13.40
1971	16.50	20.80	14.60	12.60	64.70	35.20	10.70	50.40	45.80	34.40	12.70	8.24
1972	8.19	7.22	53.40	22.30	14.30	16.20	136.00	24.10	78.10	67.50	14.30	18.30
1973	18.10	79.10	78.40	46.70	30.70	114.00	62.30	21.60	42.50	19.90	25.70	11.00
1974	9.10	32.70	72.90	120.00	51.10	59.90	74.40	119.00	79.30	20.50	12.10	10.40
1975	12.10	15.10	29.00	73.00	67.40	41.40	69.20	62.80	32.70	12.60	47.20	21.40
1976	12.30	16.30	36.50	28.10	102.00	48.30	18.00	13.30	61.00	19.50	15.70	5.95
1977	7.45	6.35	5.93	4.04	13.40	38.80	18.50	10.50	6.25	22.80	50.70	13.40
1978	106.00	20.20	51.00	15.10	8.28	119.00	47.10	57.00	22.80	24.30	21.10	9.15
1979	7.34	28.70	27.10	25.60	66.70	162.00	105.00	29.60	17.70	69.00	62.40	16.30
1980	9.59	18.00	26.00	17.20	32.00	65.20	60.30	19.60	96.80	10.40	14.90	10.10
1981	10.40	14.50	13.90	7.39	19.80	10.20	38.80	114.00	30.40	63.00	57.70	50.30
1982	44.00	22.80	23.90	54.80	117.00	116.00	53.40	88.10	89.60	38.00	24.20	9.58
1983	11.60	22.20	79.80	23.20	39.20	24.70	64.40	107.00	24.50	11.20	7.24	4.71
1984	7.85	8.72	43.50	10.70	50.20	80.50	67.90	34.00	16.30	17.00	13.00	9.28
1985	36.50	33.20	34.90	36.30	128.00	81.40	42.30	23.40	15.60	7.75	21.10	7.23

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
8.64	14.80	21.40	13.90	23.69	32.10
FIFTIETH PERCENTILE					
11.60	20.80	34.90	25.60	50.20	48.30
SEVENTY FIFTH PERCENTILE					
23.90	32.90	52.20	50.70	67.00	97.70
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
40.50	22.50	17.60	12.90	12.70	8.92
FIFTIETH PERCENTILE					
60.30	34.00	30.40	19.90	15.70	10.70
SEVENTY FIFTH PERCENTILE					
71.80	80.50	69.50	36.20	36.40	16.80

## 03339120 COAL CREEK AT COAL CREEK, IN

LOCATION.--Lat 40°01'42", long 87°22'30", in SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.6, T.1B N., R.8 W., Fountain County, Hydrologic Unit 05120108, on downstream side of county road bridge, 0.7 mi southeast of Coal Creek.

DRAINAGE AREA.--214 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1964 to September 1972 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 505.96 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Sept. 16, 1970, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--8 years, 178 ft<sup>3</sup>/s, 11.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft<sup>3</sup>/s Aug. 4, 1968, gage height, 17.5 ft, estimated by gage observer; minimum daily, 6.0 ft<sup>3</sup>/s Sept. 12, 13, 1966.

## DURATION TABLE OF DAILY MEAN DISCHARGE FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1965		2	12	4	7	30	6	28	32	7	9	19	33	15	26	9	32	22	19	9	14	6	4	3	5	5	3	3				1			
1966	10	11	25	9	10	9	15	40	35	47	29	30	24	23	7	14	11	5	3	3	2	2				1									
1967		10	18	33	16	21	10	24	11	6	19	13	22	23	19	30	16	12	22	12	7	6	2	3	3			3	1		1			1	1
1968			2	12	3	17	14	13	28	9	14	42	44	22	31	26	20	15	7	13	5	6	5	2			4	3	2	1	2	2	1	1	
1969				1	12	13	7	48	22	17	30	40	37	17	30	18	14	17	14	11	5	2	3	2					1	2		2			
1970					4	31	22	22	27	20	37	40	24	36	26	17	11	10	11	7	7	3	1	5	1		5	1		3					
1971					3	6	26	38	30	27	47	42	30	31	12	12	13	10	10	4	6	3	2	4	4		2	2	1						
1972						41	28	12	14	25	31	35	38	21	40	16	11	11	11	7	6	5	2	3	2		2	2	2	1		2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2922	100.00	12	61.0	213	1737	59.45	24	770.0	25	104	3.56
1	6.0	12	2922	100.00	13	76.0	245	1524	52.16	25	950.0	21	79	2.70
2	7.4	33	2910	99.59	14	93.0	262	1279	43.77	26	1200.0	16	58	1.98
3	9.2	47	2877	98.46	15	120.0	131	1017	34.80	27	1500.0	12	42	1.44
4	11.0	51	2830	96.85	16	140.0	225	886	30.32	28	1800.0	7	30	1.03
5	14.0	72	2779	95.11	17	180.0	148	661	22.62	29	2200.0	5	23	0.79
6	17.0	57	2707	92.64	18	220.0	108	513	17.56	30	2700.0	7	18	0.62
7	21.0	154	2650	90.69	19	270.0	98	405	13.86	31	3400.0	3	11	0.38
8	26.0	214	2496	85.42	20	330.0	75	307	10.51	32	4200.0	5	8	0.27
9	33.0	178	2282	78.10	21	410.0	63	232	7.94	33	5200.0	2	3	0.10
10	40.0	175	2104	72.01	22	510.0	38	169	5.78	34	6400.0	1	1	0.03
11	50.0	192	1929	66.02	23	630.0	27	131	4.48					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 14.1  
P90 = 21.6  
P75 = 36.6  
P70 = 43.4  
P50 = 80.4  
P25 = 168.0  
P10 = 346.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	19.00 5	20.00 5	22.00 5	24.00 5	28.00 5	43.00 6	48.00 5	55.00 5	65.00 4
1967	6.00 1	6.10 1	6.50 1	7.50 1	9.00 1	9.70 1	14.00 1	15.00 1	34.00 2
1968	9.00 2	9.10 2	9.40 2	10.00 2	11.00 2	13.00 2	18.00 2	23.00 2	30.00 1
1969	34.00 7	34.00 7	34.00 7	34.00 7	36.00 7	37.00 5	49.00 6	73.00 7	153.00 7
1970	15.00 3	17.00 4	18.00 3	21.00 3	24.00 3	47.00 7	56.00 7	64.00 6	95.00 6
1971	19.00 6	24.00 6	25.00 6	27.00 6	32.00 6	36.00 4	43.00 4	50.00 4	55.00 3
1972	16.00 4	16.00 3	18.00 4	21.00 4	25.00 4	25.00 3	27.00 3	32.00 3	81.00 5

## 03339120 COAL CREEK AT COAL CREEK, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	3540.00 5	1990.00 6	1460.00 6	977.00 6	669.00 6	464.00 6	395.00 6	361.00 6	291.00 5
1966	971.00 8	512.00 8	338.00 8	205.00 8	149.00 8	133.00 8	111.00 8	105.00 8	106.00 8
1967	7550.00 1	5570.00 1	2940.00 1	1560.00 1	914.00 1	569.00 2	459.00 3	410.00 3	355.00 2
1968	6390.00 2	3380.00 3	2150.00 3	1200.00 5	764.00 4	656.00 1	528.00 1	433.00 1	374.00 1
1969	4440.00 4	3760.00 2	2180.00 2	1360.00 2	893.00 2	540.00 4	430.00 5	382.00 4	303.00 3
1970	3300.00 6	2530.00 5	1930.00 5	1210.00 4	746.00 5	547.00 3	438.00 4	369.00 5	284.00 6
1971	2090.00 7	1280.00 7	926.00 7	627.00 7	451.00 7	333.00 7	243.00 7	230.00 7	215.00 7
1972	4920.00 3	3360.00 4	1970.00 4	1240.00 3	823.00 3	506.00 5	489.00 2	413.00 2	301.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	150.00 3
1967	171.00 4
1968	199.00 6
1969	244.00 7
1970	146.00 2
1971	190.00 5
1972	114.00 1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	170.00 6
1966	69.00 8
1967	193.00 4
1968	267.00 1
1969	185.00 5
1970	201.00 3
1971	135.00 7
1972	202.00 2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	10.60	39.30	30.20	160.00	246.00	230.00	666.00	191.00	211.00	144.00	35.00	98.20
1966	51.00	42.90	68.90	92.90	121.00	91.20	97.80	107.00	106.00	22.00	10.20	21.60
1967	13.00	104.00	829.00	205.00	258.00	278.00	187.00	304.00	53.90	38.00	20.60	12.10
1968	24.40	35.60	740.00	391.00	432.00	148.00	179.00	338.00	276.00	121.00	471.00	41.40
1969	36.20	129.00	168.00	682.00	328.00	152.00	310.00	139.00	82.10	65.40	54.00	81.60
1970	151.00	281.00	112.00	161.00	138.00	185.00	713.00	374.00	140.00	67.10	52.90	38.70
1971	48.20	85.90	67.70	52.70	444.00	234.00	70.20	181.00	170.00	219.00	46.50	30.30
1972	25.60	25.50	284.00	128.00	85.80	92.50	813.00	145.00	434.00	241.00	53.60	107.00

## WABASH RIVER BASIN

03339150 LITTLE VERMILION RIVER NEAR NEWPORT, IN

LOCATION.--Lat 39°53'32", long 87°25'42", in SW¼NW¼ sec.27, T.17 N., R.9 W., Vermillion County, Hydrologic Unit 05120108, on downstream side of bridge on State Highway 63, 1.2 mi northwest of Newport, and 6 mi upstream from mouth.

DRAINAGE AREA.--240 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1964 to September 1972 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 489.78 ft above National Geodetic Vertical Datum of 1929 (Indiana State Highway Commission bench mark, levels by U.S. Army Corps of Engineers). Prior to Nov. 6, 1969, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--8 years, 186 ft<sup>3</sup>/s, 10.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,520 ft<sup>3</sup>/s Dec. 8, 1966, gage height, 11.54 ft; no flow Oct. 3-6, 1964.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1965	4	16		4	4	4	10		3	4	2	3	15	22	14	15	9	11	12	10	21	21	24	42	34	19	11	15	5	4	4	1	2		
1966			22	2	3	1	3	1	7	6	15	6	4	7	22	30	23	41	42	27	34	18	21	11	9	9	1								
1967				8	5	5	10	12	13	11	6	22	15	9	15	5	10	4	14	25	39	44	26	19	19	8	7	7	1	2	2	2			
1968								1	4	5	5	2	9	16	33	16	6	6	7	14	42	41	40	35	16	23	15	9	7	7	4	2	1		
1969										1	11	22	31	17	5	7	12	22	24	25	33	37	40	17	17	17	12	5	5	2		1	2		
1970									1	1	13	9	24	7	5	6	8	22	23	19	36	48	49	30	22	20	9	6	4	2					
1971									2	2	4	5	5	20	15	22	52	51	48	29	21	23	16	20	14	7	4	3	1	1					
1972												1	8	31	11	5	15	23	16	48	63	23	38	25	20	17	9	4	3	3	1	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	4	2922	100.00	12	3.9	66	2694	92.20	24	210.0	198	643	22.01
1	0.10	16	2918	99.86	13	5.4	125	2628	89.94	25	290.0	136	445	15.23
2	0.14	0	2902	99.32	14	7.6	127	2503	85.66	26	410.0	123	309	10.57
3	0.19	26	2902	99.32	15	11.0	115	2376	81.31	27	570.0	73	186	6.37
4	0.27	6	2876	98.43	16	15.0	110	2261	77.38	28	800.0	39	113	3.87
5	0.38	15	2870	98.22	17	20.0	132	2151	73.61	29	1100.0	31	74	2.53
6	0.53	16	2855	97.71	18	29.0	187	2019	69.10	30	1500.0	20	43	1.47
7	0.74	8	2839	97.16	19	40.0	174	1832	62.70	31	2200.0	8	23	0.79
8	1.0	15	2831	96.89	20	56.0	197	1658	56.74	32	3000.0	10	15	0.51
9	1.4	30	2816	96.37	21	77.0	275	1461	50.00	33	4200.0	5	5	0.17
10	2.0	30	2786	95.35	22	110.0	253	1186	40.59	34	5900.0	0	0	0.00
11	2.8	62	2756	94.32	23	150.0	290	933	31.93					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.3  
P90 = 5.4  
P75 = 18.2  
P70 = 27.2  
P50 = 77.0  
P25 = 192.0  
P10 = 432.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	3.20 5	4.20 7	4.50 6	7.10 7	7.30 6	16.00 7	26.00 6	29.00 5	45.00 3
1967	0.20 1	0.20 1	0.20 1	0.20 1	0.29 1	1.50 1	2.90 1	3.50 1	19.00 1
1968	0.40 2	0.40 2	0.41 2	0.53 2	1.60 2	3.10 2	5.80 2	7.90 2	69.00 5
1969	3.90 7	4.00 6	4.20 5	5.10 5	5.50 4	6.80 4	14.00 5	30.00 6	109.00 7
1970	2.40 4	3.00 4	3.30 4	3.40 4	6.00 5	13.00 6	28.00 7	46.00 7	104.00 6
1971	1.60 3	1.80 3	2.80 3	3.10 3	4.30 3	5.00 3	9.40 3	14.00 3	21.00 2
1972	3.60 6	3.80 5	4.80 7	6.60 6	9.10 7	11.00 5	13.00 4	15.00 4	49.00 4



HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1		3		7		15		30		60		90		120		183	
1965	3910.00	4	3010.00	4	1770.00	5	1190.00	5	932.00	3	710.00	2	550.00	2	480.00	2	370.00	3
1966	596.00	8	529.00	8	475.00	8	402.00	8	313.00	8	216.00	8	167.00	8	149.00	8	128.00	8
1967	5850.00	2	4950.00	1	3070.00	1	1750.00	1	1010.00	2	661.00	4	535.00	4	470.00	4	395.00	2
1968	4240.00	3	2590.00	5	2190.00	3	1360.00	3	858.00	4	713.00	1	591.00	1	480.00	3	443.00	1
1969	5870.00	1	4630.00	2	2680.00	2	1730.00	2	1170.00	1	682.00	3	538.00	3	481.00	1	367.00	4
1970	3040.00	6	2050.00	6	1600.00	6	1100.00	6	723.00	6	512.00	5	405.00	5	356.00	5	278.00	6
1971	1510.00	7	1210.00	7	894.00	7	621.00	7	438.00	7	309.00	7	223.00	7	208.00	7	177.00	7
1972	3420.00	5	3140.00	3	2080.00	4	1250.00	4	815.00	5	480.00	6	396.00	6	327.00	6	287.00	5

### ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	179.00	4
1967	200.00	5
1968	235.00	6
1969	265.00	7
1970	160.00	3
1971	158.00	2
1972	107.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	198.00	4
1966	72.00	8
1967	234.00	2
1968	288.00	1
1969	203.00	3
1970	193.00	6
1971	101.00	7
1972	196.00	5

NORMAL MONTHLY MEANS (ALL DAYS)

[illegible]

## 03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN

LOCATION.--Lat 40°02'56", long 86°53'58", in SW¼NW¼ sec.32, T.19 N., R.4 W., Montgomery County, Hydrologic Unit 0512D110, on left bank 327 ft upstream from Crawfordsville Electric Light and Power Co.'s dam at Crawfordsville, 0.5 mi upstream from bridge on U.S. Highway 231, 1.0 mi downstream from Walnut Fork Sugar Creek, and at mile 40.4.

DRAINAGE AREA.--509 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1938 to September 1985.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 657.77 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--47 years, 490 ft<sup>3</sup>/s, 13.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft<sup>3</sup>/s June 28, 1957, gage height, 14.48 ft; minimum daily, 2.4 ft<sup>3</sup>/s Sept. 24-27, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 17.3 ft, from information by local resident, discharge, about 36,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1939									15	20	30	25	25	25	20	28	35	18	14	21	11	12	6	5	9	7	7	1	3	1	1	1				
1940		3	2	9	18	16	13	30	15	36	30	36	18	9	33	24	26	9	9	7	7	8	3	3	1			1								
1941	4	16	10	10	12	11	20	25	36	26	23	33	51	36	24	9	5	8	1	2	3															
1942	2					5	15	6	20	31	39	27	25	24	27	19	19	25	23	15	7	11	6	5	3	5	4	2								
1943									14	31	12	26	17	20	37	36	47	30	25	17	13	7	7	11	4	2	3									
1944								30	27	45	41	50	30	11	4	13	5	7	15	23	24	8	8	5	7	1	3	5								
1945								5	32	73	37	13	18	15	8	19	16	18	25	23	10	12	11	4	7	4	4	4	3	2	2					
1946									1	22	7	9	10	10	20	38	31	38	27	29	23	22	17	17	13	14	8	5	1	2	1					
1947									7	11	22	13	37	26	26	40	20	29	25	16	26	18	12	12	4	9	3	4	3	2						
1948									3	21	24	36	20	22	42	32	19	32	15	14	13	11	13	7	9	7	10	4	6	1	3	1	1			
1949								1	12	19	12	23	19	17	9	13	22	32	14	23	41	19	17	13	12	6	10	9	7	6	2	3	3	1		
1950								2		6	2	12	8	25	22	37	28	23	20	18	21	21	19	26	14	13	13	11	5	6	8	2	2	1		
1951									1	10	23	11	8	7	26	25	28	36	54	28	24	14	16	13	11	9	5	7	7	1						
1952									2	16	14	19	18	17	17	25	15	32	43	33	18	17	20	12	10	10	13	5	8	1	1					
1953								4	7	14	8	8	22	27	14	20	17	46	40	47	27	17	16	7	6	7	4	4	2							
1954	8	1	4	9	3	4	23	31	48	60	7	12	15	20	22	25	21	15	9	7	9	1	6	4												
1955								8	8	9	6	8	14	4	43	24	19	15	23	16	27	22	34	21	14	20	10	10	5	3						
1956									9	10	11	8	22	25	21	38	36	29	25	38	27	15	15	12	7	4										
1957									9	17	24	9	12	16	18	21	20	43	27	21	23	13	19	15	17	12	8	11	5							
1958													9	5	10	39	41	59	43	35	24	14	19	16	14	9	9	4	3	4	5	2	1			
1959								6	18	9	14	26	12	13	46	22	18	23	21	26	24	22	18	15	10	6	6	3	3							
1960									4	13	11	18	17	26	30	35	37	56	40	22	17	13	6	5	4	2	3	4	3							
1961									18	23	43	46	24	21	11	21	19	27	15	13	17	10	14	8	10	8	4	4	4	5						
1962										3	20	29	27	22	28	36	49	34	28	26	16	12	8	8	4	6	1	3	3	1						
1963								3	8	6	12	12	32	63	38	50	35	19	19	8	7	10	6	6	7	10	6	4	1							
1964								21	29	38	25	13	17	24	20	25	20	14	8	10	14	8	4	7	9	5	8	2	4							
1965									5	18	27	34	34	35	20	14	26	15	14	19	26	23	12	6	5	12	5	7	5	3						
1966								2	10	8	9	24	6	15	18	63	35	42	37	16	21	15	13	11	7	4	6	2	1							
1967									6	17	18	27	32	25	17	11	13	17	19	34	29	15	15	18	13	10	7	7	6	5	1					
1968									6	1	10	14	31	19	18	28	39	30	28	26	18	16	17	18	15	8	5	4	6	2	5	1	1			
1969												10	42	10	10	17	21	30	43	48	32	22	18	19	14	10	4	5	4	2	1	2	1			
1970									4	6	7	13	18	22	37	18	37	48	41	25	23	13	19	7	9	8	1	5	4							
1971									2	9	16	8	7	29	35	45	52	49	28	15	19	9	12	9	6	4	3	5	3							
1972												40	34	17	14	13	40	57	33	25	25	16	12	8	12	5	5	3	4							
1973												6	20	22	11	12	18	35	41	29	24	36	28	29	15	12	8	10	6	3						
1974												9	17	21	34	23	12	17	26	31	33	27	26	16	11	13	15	12	10	5	6	1				
1975												18	10	14	46	29	20	28	29	41	24	23	26	19	13	7	7	5	4	2						
1976									3	18	22	5	5	28	82	39	25	24	26	23	14	9	9	6	4	6	7	6	3	1	1					
1977									11	42	40	63	29	19	17	17	24	25	29	16	6	8	7	3	5	1	2	1								
1978												5	8	11	12	56	47	43	26	32	23	20	22	13	5	6	11	8	5	7	4	1				
1979												6	37	15	32	22	42	41	30	29	18	12	21	13	14	7	10	7	5	3	1					
1980												18	17	23	20	55	28	49	35	24	17	15	13	13	13	7	6	8	3	2						
1981									2	41	59	25	31	20	24	28	31	19	20	15	14	9	6	4	4	4	4	4	2	1	1	1				
1982										8	18	13	8	10	25	41	55	34	23	20	27	18	17	7	12	7	9	7	6							
1983										15	11	34	27	20	17	4	13	24	33	48	24	25	20	10	12	12	3	3	5	2	2	1				
1984										2	4	16	24	22	22	12	31	30	15	28	36	29	19	21	13	10	5	9	5	7	5	1				
1985												19	30	17	19	18	15	38	32	27	41	18	21	15	9	8	10	9	6	3	5	1				

## 03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	17167	100.00	12	49.0	998	13657	79.55	24	1300.0	396	1504	8.76
1	2.4	12	17167	100.00	13	64.0	933	12659	73.74	25	1700.0	298	1108	6.45
2	3.2	22	17155	99.93	14	84.0	1097	11726	68.31	26	2200.0	264	810	4.72
3	4.2	16	17133	99.80	15	110.0	1356	10629	61.92	27	2900.0	219	546	3.18
4	5.5	38	17117	99.71	16	150.0	1173	9273	54.02	28	3900.0	143	327	1.90
5	7.2	52	17079	99.49	17	190.0	1506	8100	47.18	29	5100.0	83	184	1.07
6	9.4	95	17027	99.18	18	250.0	1306	6594	38.41	30	6700.0	57	101	0.59
7	12.0	230	16932	98.63	19	330.0	1079	5288	30.80	31	8800.0	24	44	0.26
8	16.0	436	16702	97.29	20	430.0	892	4209	24.52	32	12000.0	13	20	0.12
9	21.0	719	16266	94.75	21	570.0	700	3317	19.32	33	15000.0	5	7	0.04
10	28.0	907	15547	90.56	22	750.0	620	2617	15.24	34	20000.0	2	2	0.01
11	37.0	983	14640	85.28	23	990.0	493	1997	11.63					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	20.5
P90 =	29.0
P75 =	60.8
P70 =	77.8
P50 =	174.0
P25 =	422.0
P10 =	1170.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1940	16.00 16	16.00 16	17.00 16	18.00 15	18.00 13	23.00 12	33.00 14	37.00 13	47.00 11
1941	4.00 3	4.00 3	4.70 3	5.80 3	7.60 3	10.00 2	12.00 2	14.00 2	22.00 2
1942	2.40 1	2.40 1	2.70 1	3.10 1	4.70 1	6.50 1	8.70 1	13.00 1	30.00 4
1943	21.00 25	23.00 26	25.00 26	27.00 25	29.00 22	38.00 22	49.00 22	61.00 23	102.00 21
1944	19.00 23	19.00 20	20.00 20	21.00 19	24.00 19	34.00 21	41.00 19	45.00 15	46.00 10
1945	12.00 9	13.00 9	13.00 10	14.00 9	16.00 10	17.00 6	17.00 4	19.00 3	21.00 1
1946	22.00 28	23.00 27	25.00 27	29.00 26	38.00 27	90.00 36	108.00 34	229.00 39	235.00 37
1947	18.00 19	18.00 19	19.00 19	20.00 17	22.00 17	28.00 15	39.00 17	57.00 20	100.00 18
1948	24.00 30	25.00 30	26.00 28	32.00 28	38.00 28	44.00 25	60.00 25	59.00 22	76.00 15
1949	19.00 20	20.00 21	21.00 21	24.00 21	25.00 20	32.00 20	49.00 23	95.00 28	161.00 26
1950	8.60 6	9.80 6	11.00 8	13.00 8	14.00 8	19.00 9	31.00 13	55.00 19	111.00 22
1951	21.00 26	22.00 25	24.00 25	35.00 31	44.00 33	244.00 45	485.00 46	457.00 46	568.00 45
1952	19.00 21	20.00 22	22.00 22	24.00 22	24.00 18	28.00 16	35.00 16	53.00 18	153.00 25
1953	28.00 33	31.00 34	35.00 35	48.00 38	59.00 38	83.00 35	186.00 40	161.00 35	237.00 38
1954	12.00 10	13.00 10	13.00 9	16.00 12	16.00 9	20.00 10	22.00 8	24.00 7	41.00 7
1955	3.10 2	3.10 2	3.10 2	3.80 2	5.70 2	14.00 3	16.00 3	34.00 11	42.00 8
1956	6.50 4	6.50 4	6.50 4	7.10 4	11.00 4	28.00 17	101.00 32	144.00 32	215.00 34
1957	16.00 17	16.00 17	17.00 17	17.00 13	19.00 14	25.00 13	30.00 11	36.00 12	93.00 17
1958	54.00 42	56.00 42	58.00 42	63.00 42	102.00 45	196.00 44	206.00 43	297.00 42	623.00 46
1959	81.00 46	82.00 46	84.00 46	89.00 45	95.00 43	121.00 41	172.00 39	374.00 45	557.00 44
1960	12.00 11	13.00 11	16.00 14	18.00 14	25.00 21	29.00 18	34.00 15	47.00 16	76.00 16
1961	16.00 18	17.00 18	18.00 18	19.00 16	21.00 15	25.00 14	30.00 12	33.00 10	48.00 12
1962	20.00 24	21.00 24	23.00 24	26.00 23	38.00 29	59.00 31	77.00 30	138.00 31	191.00 30
1963	34.00 36	38.00 36	41.00 38	51.00 39	62.00 39	64.00 33	74.00 28	84.00 27	102.00 19
1964	9.80 7	10.00 7	10.00 6	11.00 6	12.00 6	15.00 4	19.00 5	19.00 4	33.00 5
1965	12.00 12	13.00 12	14.00 11	15.00 10	17.00 11	18.00 7	21.00 6	25.00 8	38.00 6
1966	25.00 31	28.00 32	34.00 34	38.00 34	43.00 31	59.00 32	66.00 26	75.00 25	102.00 20
1967	6.50 5	6.80 5	7.90 5	9.00 5	11.00 5	16.00 5	21.00 7	22.00 5	54.00 13
1968	11.00 8	11.00 8	11.00 7	13.00 7	14.00 7	18.00 8	25.00 10	29.00 9	46.00 9
1969	37.00 37	39.00 37	40.00 36	42.00 35	45.00 34	48.00 26	89.00 31	151.00 34	219.00 35
1970	28.00 34	29.00 33	33.00 33	35.00 32	44.00 32	143.00 43	201.00 42	233.00 40	330.00 41
1971	22.00 27	24.00 28	29.00 31	34.00 29	51.00 36	101.00 38	141.00 37	163.00 36	183.00 28
1972	19.00 22	20.00 23	22.00 23	26.00 24	31.00 23	49.00 27	54.00 24	58.00 21	148.00 24
1973	42.00 41	44.00 40	49.00 41	55.00 41	69.00 40	111.00 40	210.00 44	292.00 41	424.00 42
1974	41.00 38	44.00 41	46.00 40	54.00 40	74.00 41	109.00 39	109.00 35	146.00 33	205.00 33
1975	41.00 39	41.00 38	41.00 37	44.00 36	47.00 35	55.00 29	68.00 27	82.00 26	196.00 32
1976	72.00 45	74.00 45	78.00 45	88.00 44	92.00 42	94.00 37	124.00 36	196.00 38	227.00 36
1977	15.00 15	15.00 15	16.00 12	16.00 11	17.00 12	20.00 11	23.00 9	24.00 6	26.00 3
1978	14.00 13	14.00 13	16.00 13	22.00 20	41.00 30	81.00 34	106.00 33	131.00 30	192.00 31
1979	41.00 40	41.00 39	42.00 39	45.00 37	54.00 37	58.00 30	148.00 38	169.00 37	280.00 39
1980	59.00 43	59.00 43	62.00 43	67.00 43	99.00 44	139.00 42	193.00 41	300.00 43	327.00 40
1981	25.00 32	27.00 31	28.00 29	29.00 27	34.00 24	41.00 24	43.00 20	42.00 14	60.00 14
1982	66.00 44	67.00 44	77.00 44	119.00 46	182.00 46	272.00 46	284.00 45	311.00 44	534.00 43
1983	32.00 35	32.00 35	33.00 32	35.00 30	37.00 25	39.00 23	46.00 21	64.00 24	183.00 29
1984	15.00 14	15.00 14	17.00 15	21.00 18	21.00 16	31.00 19	41.00 18	49.00 17	139.00 23
1985	23.00 29	25.00 29	28.00 30	36.00 33	38.00 26	52.00 28	77.00 29	99.00 29	182.00 27

## 03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1939	13200.00 10	8090.00 15	4730.00 20	2850.00 25	2000.00 21	1600.00 15	1470.00 9	1180.00 10	915.00 18
1940	2970.00 43	2200.00 43	1470.00 43	1040.00 43	784.00 43	507.00 43	452.00 43	384.00 43	278.00 43
1941	676.00 47	556.00 47	384.00 47	262.00 47	177.00 47	135.00 47	140.00 47	126.00 47	109.00 47
1942	4660.00 42	3630.00 41	2410.00 42	1700.00 40	989.00 40	862.00 40	781.00 39	670.00 41	551.00 41
1943	20000.00 2	13600.00 3	7930.00 3	6120.00 2	3450.00 3	1920.00 9	1450.00 10	1170.00 13	896.00 19
1944	9130.00 20	7360.00 19	4410.00 23	3250.00 15	2110.00 19	1350.00 25	1160.00 23	947.00 27	637.00 37
1945	7000.00 29	5880.00 25	3850.00 27	2060.00 36	1250.00 39	1170.00 31	1140.00 24	979.00 26	696.00 32
1946	7710.00 25	4420.00 37	2730.00 37	1980.00 37	1310.00 38	1140.00 35	1050.00 29	891.00 32	925.00 16
1947	6680.00 30	4990.00 31	3440.00 31	2220.00 32	1600.00 29	1330.00 26	1130.00 25	905.00 31	756.00 29
1948	12100.00 14	9620.00 9	5900.00 8	4280.00 6	3710.00 2	2270.00 3	1750.00 4	1380.00 6	1040.00 9
1949	12500.00 12	8330.00 13	4850.00 17	3820.00 11	3230.00 5	2360.00 2	1770.00 3	1460.00 4	1060.00 6
1950	17800.00 4	12000.00 5	7360.00 7	6330.00 1	4290.00 1	3210.00 1	2480.00 1	2280.00 1	1670.00 1
1951	8810.00 21	6210.00 22	4290.00 24	3060.00 18	1840.00 24	1380.00 24	1210.00 19	1120.00 17	939.00 14
1952	7140.00 27	4670.00 34	2730.00 38	2560.00 29	1600.00 30	1320.00 27	1280.00 16	1150.00 16	1060.00 7
1953	7010.00 28	4710.00 33	2680.00 40	2070.00 35	1550.00 34	989.00 39	888.00 36	750.00 38	675.00 35
1954	2270.00 45	1590.00 44	1030.00 45	793.00 45	658.00 44	502.00 44	419.00 44	357.00 44	266.00 45
1955	6220.00 35	4380.00 38	2720.00 39	1640.00 41	951.00 41	781.00 41	719.00 41	713.00 39	609.00 38
1956	13600.00 8	11100.00 6	8020.00 2	4290.00 5	2340.00 13	1390.00 21	1020.00 30	1090.00 18	837.00 22
1957	20100.00 1	15300.00 1	7820.00 4	4020.00 9	2790.00 8	2130.00 6	2050.00 2	1720.00 2	1330.00 3
1958	13500.00 9	9590.00 10	7520.00 5	4020.00 10	2240.00 15	2190.00 4	1690.00 6	1360.00 7	993.00 10
1959	12900.00 11	8010.00 17	4700.00 21	2670.00 27	2370.00 12	1650.00 12	1300.00 15	1160.00 14	971.00 12
1960	5040.00 39	3560.00 42	2520.00 41	1470.00 42	928.00 42	743.00 42	628.00 42	561.00 42	510.00 42
1961	6340.00 33	5190.00 29	4540.00 22	2910.00 20	2140.00 28	1580.00 16	1310.00 13	1180.00 11	859.00 20
1962	14200.00 7	9400.00 11	5000.00 16	2680.00 26	1730.00 27	1610.00 14	1300.00 14	1050.00 21	822.00 24
1963	14400.00 6	9660.00 8	5350.00 13	3210.00 16	2330.00 14	1520.00 18	1080.00 27	834.00 35	580.00 39
1964	19100.00 3	13000.00 4	7410.00 6	4200.00 7	2630.00 9	2000.00 8	1410.00 11	1150.00 15	808.00 26
1965	4780.00 41	3760.00 40	3540.00 30	2400.00 31	1570.00 31	1180.00 30	990.00 32	920.00 30	694.00 34
1966	1860.00 46	1430.00 46	1020.00 46	728.00 46	545.00 46	379.00 46	308.00 46	295.00 45	272.00 44
1967	10200.00 17	8180.00 14	5240.00 14	2910.00 21	1600.00 28	1150.00 33	877.00 37	933.00 28	811.00 25
1968	11900.00 15	8020.00 16	4810.00 18	2870.00 23	1770.00 26	1550.00 17	1200.00 20	1020.00 23	916.00 17
1969	10500.00 16	9120.00 12	5760.00 10	3510.00 12	2380.00 11	1510.00 19	1170.00 22	1050.00 22	837.00 21
1970	6250.00 34	5300.00 27	3580.00 29	2440.00 30	1530.00 35	1150.00 34	933.00 34	859.00 33	745.00 30
1971	4830.00 40	4040.00 39	3250.00 35	2190.00 33	1550.00 32	1040.00 38	741.00 40	713.00 40	570.00 40
1972	8200.00 22	7700.00 18	4810.00 19	2860.00 24	1970.00 22	1120.00 36	972.00 33	797.00 36	696.00 33
1973	6120.00 36	4930.00 32	3300.00 34	2590.00 28	2010.00 20	1490.00 20	1270.00 17	1170.00 12	1190.00 4
1974	9310.00 18	7100.00 20	5650.00 12	4200.00 8	2430.00 10	1900.00 10	1700.00 5	1590.00 3	1620.00 2
1975	6050.00 37	5090.00 30	2970.00 36	1820.00 39	1380.00 37	1200.00 29	1090.00 26	1060.00 19	931.00 15
1976	7390.00 26	5260.00 28	3850.00 28	3130.00 17	2150.00 17	1270.00 28	1000.00 31	854.00 34	650.00 36
1977	2510.00 44	1450.00 45	1220.00 44	851.00 44	567.00 45	411.00 45	336.00 45	272.00 46	238.00 46
1978	9260.00 19	6650.00 21	5730.00 11	4470.00 4	2890.00 7	1710.00 11	1400.00 12	1330.00 9	992.00 11
1979	8080.00 24	6010.00 23	4220.00 25	3470.00 14	2170.00 16	1640.00 13	1200.00 21	985.00 25	963.00 13
1980	6400.00 32	4640.00 35	3410.00 32	2120.00 34	1810.00 25	1380.00 22	1070.00 28	1050.00 20	803.00 27
1981	12300.00 13	9860.00 7	5790.00 9	2890.00 22	1550.00 33	1100.00 37	820.00 38	931.00 29	699.00 31
1982	6660.00 31	5930.00 24	5140.00 15	3480.00 13	3220.00 6	2160.00 5	1650.00 7	1430.00 5	1170.00 5
1983	8140.00 23	5780.00 26	3330.00 33	1870.00 38	1460.00 36	1160.00 32	930.00 35	785.00 37	764.00 28
1984	5630.00 38	4630.00 36	4040.00 26	2990.00 19	1870.00 23	1380.00 23	1210.00 18	1010.00 24	826.00 23
1985	16400.00 5	13700.00 2	8440.00 1	5120.00 3	3360.00 4	2100.00 7	1510.00 8	1350.00 8	1050.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1940	292.00 10
1941	121.00 1
1942	193.00 3
1943	291.00 8
1944	463.00 23
1945	318.00 13
1946	648.00 36
1947	361.00 16
1948	529.00 27
1949	816.00 42
1950	774.00 40

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1939	513.00 22
1940	153.00 44
1941	65.00 47
1942	301.00 42
1943	510.00 23
1944	336.00 39
1945	380.00 35
1946	571.00 13
1947	423.00 31
1948	565.00 15
1949	563.00 16

03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	789.00	41
1952	482.00	25
1953	569.00	32
1954	207.00	4
1955	305.00	11
1956	396.00	18
1957	425.00	21
1958	929.00	46
1959	887.00	44
1960	318.00	12
1961	289.00	7
1962	689.00	37
1963	340.00	15
1964	244.00	5
1965	418.00	20
1966	331.00	14
1967	389.00	17
1968	454.00	22
1969	546.00	29
1970	515.00	26
1971	481.00	24
1972	292.00	9
1973	897.00	45
1974	709.00	38
1975	767.00	39
1976	535.00	28
1977	168.00	2
1978	564.00	31
1979	602.00	34
1980	594.00	33
1981	272.00	6
1982	834.00	43
1983	415.00	19
1984	553.00	30
1985	631.00	35

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	1090.00	1
1951	574.00	11
1952	625.00	8
1953	430.00	30
1954	144.00	46
1955	350.00	38
1956	527.00	19
1957	751.00	5
1958	806.00	3
1959	533.00	18
1960	333.00	41
1961	455.00	27
1962	499.00	24
1963	335.00	40
1964	418.00	32
1965	377.00	36
1966	159.00	43
1967	431.00	29
1968	541.00	17
1969	525.00	20
1970	567.00	14
1971	369.00	37
1972	483.00	25
1973	748.00	6
1974	972.00	2
1975	572.00	12
1976	413.00	33
1977	148.00	45
1978	764.00	4
1979	612.00	9
1980	516.00	21
1981	396.00	34
1982	692.00	7
1983	448.00	28
1984	475.00	26
1985	582.00	10

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	DOCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1939	30.10	50.80	118.00	463.00	1101.0	1626.0	1496.0	169.00	323.00	633.00	176.00	22.20
1940	36.90	41.10	47.20	61.30	184.00	333.00	647.00	322.00	125.00	23.00	9.94	11.60
1941	17.40	25.10	44.20	52.90	106.00	79.20	177.00	74.90	168.00	29.80	8.42	4.80
1942	14.10	70.20	57.90	45.40	1042.0	693.00	633.00	348.00	514.00	154.00	66.40	51.00
1943	32.00	195.00	304.00	280.00	323.00	597.00	211.00	3297.0	436.00	191.00	141.00	52.30
1944	24.20	77.10	44.90	38.30	282.00	716.00	1967.0	643.00	199.00	29.60	16.70	17.40
1945	18.20	27.70	24.00	25.00	161.00	707.00	1036.0	1053.0	1073.0	115.00	134.00	187.00
1946	501.00	261.00	568.00	897.00	1131.0	866.00	196.00	1271.0	852.00	199.00	107.00	25.90
1947	29.60	72.20	169.00	650.00	328.00	425.00	1274.0	832.00	1048.0	104.00	69.90	96.30
1948	40.70	46.80	100.00	497.00	539.00	1715.0	2456.0	740.00	281.00	257.00	90.50	26.70
1949	37.70	295.00	689.00	3147.0	1335.0	475.00	406.00	174.00	126.00	64.90	23.30	14.90
1950	358.00	116.00	677.00	4163.0	1994.0	1212.0	1218.0	240.00	1095.0	475.00	45.60	1511.0
1951	151.00	688.00	890.00	977.00	1795.0	518.00	640.00	542.00	174.00	517.00	55.20	29.00
1952	31.30	121.00	434.00	1098.0	981.00	1155.0	1202.0	749.00	1041.0	204.00	77.90	432.00
1953	72.90	192.00	512.00	547.00	332.00	1461.0	435.00	712.00	190.00	485.00	158.00	21.80
1954	18.90	26.60	31.20	88.70	101.00	201.00	511.00	364.00	325.00	40.40	23.50	5.93
1955	79.90	48.40	150.00	836.00	446.00	831.00	681.00	338.00	447.00	267.00	40.10	44.20
1956	217.00	670.00	238.00	91.60	1278.0	511.00	286.00	1772.0	857.00	351.00	60.90	27.10
1957	24.90	43.50	248.00	431.00	682.00	327.00	2142.0	1239.0	2648.0	812.00	184.00	293.00
1958	323.00	653.00	1924.0	400.00	182.00	337.00	246.00	387.00	2220.0	943.00	1801.0	196.00
1959	97.20	932.00	291.00	1098.0	1724.0	798.00	905.00	387.00	170.00	46.30	33.40	29.60
1960	81.80	147.00	280.00	374.00	874.00	521.00	385.00	271.00	539.00	378.00	131.00	41.50
1961	23.70	33.00	39.90	66.30	168.00	1373.0	1587.0	814.00	861.00	256.00	164.00	65.50
1962	66.40	396.00	243.00	1618.0	871.00	1344.0	295.00	372.00	116.00	495.00	90.30	79.70
1963	196.00	118.00	70.70	66.30	87.50	2045.0	875.00	248.00	77.90	124.00	59.60	19.60
1964	13.10	28.30	17.00	74.60	68.40	1316.0	2593.0	282.00	369.00	223.00	33.80	17.70
1965	20.30	31.20	37.90	137.00	544.00	785.00	1572.0	432.00	606.00	224.00	45.10	136.00
1966	67.40	56.50	99.10	283.00	275.00	207.00	328.00	358.00	166.00	38.30	15.70	21.80
1967	25.20	92.50	1538.0	450.00	563.00	1053.0	581.00	643.00	119.00	48.50	30.70	14.10
1968	31.00	40.60	1716.0	773.00	1064.0	398.00	659.00	839.00	397.00	142.00	367.00	61.30
1969	45.30	410.00	654.00	1698.0	955.00	336.00	895.00	308.00	223.00	421.00	138.00	252.00
1970	927.00	1239.0	315.00	393.00	460.00	626.00	1429.0	715.00	229.00	216.00	148.00	123.00

## WABASH RIVER BASIN

03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	197.00	329.00	205.00	160.00	1404.0	714.00	158.00	384.00	683.00	164.00	68.00	52.40
1972	65.20	47.30	968.00	426.00	196.00	275.00	1947.0	293.00	541.00	382.00	81.70	596.00
1973	662.00	1718.0	1235.0	821.00	625.00	1872.0	859.00	221.00	494.00	159.00	228.00	74.60
1974	143.00	780.00	1336.0	2247.0	833.00	1120.0	1248.0	2009.0	1516.0	252.00	96.80	64.10
1975	50.00	118.00	603.00	1113.0	1307.0	875.00	985.00	704.00	231.00	340.00	402.00	186.00
1976	95.50	119.00	578.00	367.00	1784.0	688.00	148.00	101.00	742.00	329.00	49.70	24.60
1977	28.10	29.80	26.10	17.10	107.00	412.00	386.00	158.00	43.10	163.00	241.00	160.00
1978	1098.0	233.00	1458.0	230.00	125.00	2390.0	846.00	840.00	833.00	547.00	354.00	114.00
1979	56.60	298.00	424.00	462.00	765.00	1693.0	989.00	247.00	150.00	1273.0	858.00	118.00
1980	162.00	604.00	518.00	276.00	412.00	1493.0	1021.0	200.00	1180.0	105.00	183.00	53.60
1981	40.10	42.90	48.60	37.50	266.00	121.00	236.00	1292.0	306.00	578.00	874.00	889.00
1982	426.00	253.00	310.00	863.00	1779.0	2242.0	749.00	607.00	733.00	273.00	102.00	41.10
1983	38.50	96.60	1242.0	309.00	397.00	384.00	973.00	1257.0	436.00	153.00	53.60	22.60
1984	61.30	127.00	833.00	128.00	995.00	1606.0	970.00	428.00	273.00	134.00	117.00	48.30
1985	107.00	578.00	671.00	665.00	2229.0	1486.0	758.00	280.00	180.00	47.80	84.20	30.30

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

29.60

46.80

70.70

91.60

266.00

412.00

## FIFTIETH PERCENTILE

56.60

118.00

304.00

480.00

563.00

716.00

## SEVENTY FIFTH PERCENTILE

151.00

329.00

677.00

836.00

1101.00

1373.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

386.00

280.00

180.00

115.00

45.60

22.60

## FIFTIETH PERCENTILE

846.00

387.00

397.00

216.00

90.30

51.00

## SEVENTY FIFTH PERCENTILE

1218.00

814.00

833.00

382.00

164.00

123.00

## 03340000 SUGAR CREEK NEAR BYRON, IN

LOCATION.--Lat 39°55'52", long 87°07'33", in NW¼SW¼ sec.8, T.17 N., R.6 W., Parke County, Hydrologic Unit 05120110, on right bank 30 ft upstream from county highway bridge, 2.5 mi northwest of Byron, and 5 mi downstream from Indian Creek.

DRAINAGE AREA.--670 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1940 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 538.92 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Nov. 18, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 628 ft<sup>3</sup>/s, 12.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft<sup>3</sup>/s June 28, 1957, gage height, 22.98 ft; minimum daily, 12 ft<sup>3</sup>/s Sept. 21, 1941.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1941	13	9	24	14	10	8	16	58	34	60	47	31	18	9	4	3	2	1	2	2																
1942	1	1	9	7	20	26	43	39	16	25	24	24	15	19	19	22	12	8	5	6	7	2	4	3	5	1	2									
1943				1	31	21	28	18	22	27	39	35	32	26	19	14	14	3	7	7	7	5			3	5	1	2				1	3		1	
1944				6	30	20	61	57	44	13	5	9	8	9	9	17	23	13	10	7	5	5	2	1	3	4	1	1	1	2						
1945				24	47	59	15	17	16	15	13	16	13	24	19	18	11	17	7	4	7	7	1	5	2	2	3	1	2							
1946							10	16	14	11	18	27	17	28	47	24	29	23	26	15	9	15	14	10	4	2	4				2					
1947							18	22	31	29	15	46	25	29	20	23	18	20	21	11	10	8	3	6	1	5	2	2								
1948							14	32	17	39	41	29	25	24	23	17	21	9	11	8	9	9	9	10	5	2	4	3	1	2	2					
1949					6	31	8	25	23	17	18	24	25	21	27	34	21	18	9	10	7	8	7	8	4	5	2	2	1	3	1					
1950					2		8	12	13	27	29	16	24	25	14	20	28	19	21	21	19	13	9	7	9	8	7	8	2	1	1	2				
1951						5	30	11	6	18	21	27	21	29	35	34	29	23	16	13	11	14	2	6	9	2	2			1						
1952						8	37	18	12	18	18	21	16	35	35	32	19	17	19	12	7	13	12	4	3	7	2	1								
1953					14	18	6	3	26	21	14	16	18	21	45	38	38	20	16	13	13	7	3	5	3	5	1			1						
1954	17	10	7	17	72	61	21	10	15	16	21	26	16	17	9	4	7	5	2	4	6	1	1													
1955		13	12	10	12	20	40	26	12	9	20	19	21	21	18	35	20	9	13	16	7	7	3				1	1								
1956					15	14	9	27	18	24	23	37	30	19	23	32	27	16	11	10	12	2	3	1	6	1	4			1	1					
1957					12	20	20	10	9	24	14	19	27	39	23	26	20	13	16	13	13	12	11	7	8	4	2			1			1	1		
1958										10	18	45	55	47	35	25	26	14	13	14	12	14	11	7	5	3	2	4	2	3						
1959					6	22	24	18	14	51	14	19	22	22	17	20	25	16	11	23	11	6	8	6	3	3	1	2			1					
1960					3	10	16	12	26	25	32	31	50	49	27	27	19	7	9	4	2	4	4	3	3	2	1									
1961					14	27	40	62	27	13	22	15	20	17	12	12	16	11	9	9	6	9	8	2	2	6	2	4								
1962						8	33	23	23	21	33	36	39	27	37	26	12	9	9	8	4	6	2	1	2	1	2	2			1					
1963					14	11	19	22	60	30	53	35	17	20	14	7	9	9	7	6	7	9	7	3	2	1				2		1				
1964					17	34	41	54	14	19	16	16	26	21	10	14	13	10	11	8	7	4	8	6	7	4			2	1		2		1		
1965					4	31	30	39	33	26	19	19	19	9	15	24	19	17	9	12	10	6	9	5	3	3	2	2								
1966	3	4	22	10	22	14	5	47	52	38	38	19	23	15	11	14	10	4	5	5	1	2	1													
1967		11	49	22	21	20	14	11	11	13	13	29	31	20	14	18	14	15	9	8	5	4	6	2	2				1	1	1					
1968			4	8	5	22	32	19	20	31	28	32	24	18	19	15	19	15	12	9	9	5	3	5	4	3	2	2			1					
1969					5	43	13	7	14	21	23	30	41	34	25	15	26	17	15	11	9	5	2	1	4	1			2	1						
1970					3	10	6	9	21	24	34	16	25	32	34	36	25	19	18	12	10	9	9	3	1	3	5	1								
1971					1	4	15	11	9	25	35	33	49	43	34	23	14	15	12	6	8	7	6	4	3	2	5	1								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	11322	100.00	12	150.0	749	7058	62.34	24	2400.0	171	581	5.13
1	12.0	13	11322	100.00	13	190.0	728	6309	55.72	25	3100.0	99	410	3.62
2	15.0	30	11309	99.89	14	240.0	763	5581	49.29	26	3800.0	95	311	2.75
3	19.0	52	11279	99.62	15	300.0	829	4818	42.55	27	4800.0	80	216	1.91
4	24.0	98	11227	99.16	16	380.0	679	3989	35.23	28	6100.0	44	136	1.20
5	30.0	234	11129	98.30	17	480.0	675	3310	29.24	29	7700.0	36	92	0.81
6	38.0	423	10895	96.23	18	610.0	538	2635	23.27	30	9700.0	27	56	0.49
7	48.0	609	10472	92.49	19	770.0	414	2097	18.52	31	12000.0	14	29	0.26
8	60.0	727	9863	87.11	20	960.0	331	1683	14.86	32	15000.0	9	15	0.13
9	76.0	748	9136	80.69	21	1200.0	300	1352	11.94	33	19000.0	4	6	0.05
10	96.0	622	8388	74.09	22	1500.0	256	1052	9.29	34	24000.0	2	2	0.02
11	120.0	708	7766	68.59	23	1900.0	215	796	7.03					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 41.3  
P90 = 53.6  
P75 = 93.2  
P70 = 114.0  
P50 = 235.0  
P25 = 572.0  
P10 = 1420.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1942	12.00 1	13.00 1	13.00 1	14.00 1	20.00 2	23.00 1	26.00 1	32.00 1	60.00 2
1943	44.00 14	44.00 13	46.00 14	47.00 14	52.00 13	64.00 13	76.00 14	90.00 12	140.00 14
1944	49.00 18	50.00 18	50.00 16	52.00 15	54.00 14	65.00 14	72.00 11	75.00 11	76.00 7
1945	27.00 7	27.00 7	30.00 7	31.00 7	37.00 8	39.00 6	41.00 4	43.00 4	45.00 1
1946	54.00 24	55.00 23	56.00 21	60.00 20	73.00 21	161.00 26	187.00 24	324.00 26	339.00 26
1947	52.00 22	52.00 20	53.00 18	53.00 18	57.00 15	66.00 16	81.00 16	105.00 14	161.00 17
1948	52.00 23	56.00 24	59.00 24	62.00 21	71.00 19	91.00 19	108.00 18	115.00 17	132.00 11
1949	51.00 20	52.00 21	55.00 19	64.00 22	75.00 24	97.00 21	122.00 21	184.00 20	264.00 22
1950	36.00 10	37.00 10	38.00 10	40.00 11	44.00 11	55.00 11	77.00 15	105.00 15	183.00 18
1951	63.00 26	63.00 26	66.00 25	86.00 28	91.00 26	337.00 30	682.00 30	600.00 30	786.00 29
1952	50.00 19	51.00 19	55.00 20	59.00 19	62.00 17	65.00 15	74.00 12	106.00 16	242.00 19
1953	58.00 25	59.00 25	67.00 26	79.00 27	97.00 27	121.00 24	229.00 26	205.00 22	301.00 24
1954	31.00 9	31.00 9	32.00 9	35.00 9	36.00 7	39.00 7	42.00 5	45.00 5	64.00 3
1955	16.00 2	16.00 2	16.00 2	17.00 2	19.00 1	36.00 4	38.00 3	60.00 8	66.00 5
1956	20.00 4	21.00 4	22.00 4	23.00 4	28.00 4	50.00 9	147.00 23	205.00 23	299.00 23
1957	38.00 11	38.00 11	39.00 11	40.00 10	43.00 10	50.00 10	55.00 9	64.00 9	138.00 13
1958	111.00 29	115.00 29	126.00 30	140.00 30	182.00 30	277.00 29	312.00 29	408.00 28	834.00 30
1959	120.00 30	120.00 30	121.00 29	125.00 29	130.00 29	176.00 27	257.00 27	518.00 29	754.00 28
1960	40.00 12	41.00 12	43.00 12	46.00 12	59.00 16	73.00 17	75.00 13	93.00 13	133.00 12
1961	46.00 15	46.00 15	46.00 13	47.00 13	51.00 12	60.00 12	67.00 10	70.00 10	89.00 9
1962	46.00 16	48.00 16	50.00 17	52.00 16	66.00 18	102.00 23	121.00 20	189.00 21	251.00 20
1963	71.00 28	74.00 28	76.00 28	77.00 26	98.00 28	101.00 22	115.00 19	130.00 19	159.00 16
1964	24.00 5	24.00 5	24.00 5	26.00 5	32.00 5	37.00 5	43.00 6	41.00 3	64.00 4
1965	30.00 8	30.00 8	31.00 8	33.00 8	40.00 9	43.00 8	45.00 7	50.00 6	72.00 6
1966	48.00 17	50.00 17	57.00 22	67.00 24	72.00 20	94.00 20	106.00 17	117.00 18	148.00 15
1967	17.00 3	17.00 3	20.00 3	22.00 3	26.00 3	32.00 2	36.00 2	39.00 2	89.00 10
1968	26.00 6	26.00 6	27.00 6	31.00 6	32.00 6	36.00 3	48.00 8	57.00 7	79.00 8
1969	65.00 27	68.00 27	68.00 27	71.00 25	77.00 25	82.00 18	142.00 22	242.00 25	338.00 25
1970	52.00 21	55.00 22	59.00 23	64.00 23	74.00 22	226.00 28	289.00 28	344.00 27	461.00 27
1971	42.00 13	45.00 14	49.00 15	53.00 17	74.00 23	147.00 25	197.00 25	225.00 24	254.00 21

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1941	1030.00 31	858.00 31	594.00 31	401.00 31	276.00 31	208.00 31	206.00 31	189.00 31	170.00 31
1942	6400.00 27	5500.00 25	3580.00 24	2420.00 25	1400.00 26	1210.00 26	1100.00 25	945.00 26	776.00 25
1943	26200.00 1	18800.00 2	10900.00 1	8270.00 2	4640.00 3	2580.00 6	1950.00 6	1570.00 8	1190.00 10
1944	11600.00 15	9360.00 15	5500.00 16	4020.00 11	2640.00 13	1690.00 16	1450.00 16	1210.00 18	821.00 23
1945	9930.00 18	8020.00 16	5110.00 18	2790.00 22	1720.00 24	1620.00 18	1540.00 14	1340.00 16	972.00 19
1946	10200.00 17	5730.00 24	3410.00 25	2300.00 26	1590.00 25	1420.00 23	1290.00 21	1120.00 22	1180.00 11
1947	7540.00 24	6100.00 21	4220.00 22	2740.00 23	1950.00 22	1650.00 17	1390.00 17	1130.00 21	944.00 20
1948	14800.00 10	13000.00 6	7630.00 7	5520.00 3	4770.00 2	2900.00 2	2240.00 3	1800.00 3	1360.00 3
1949	13300.00 13	9960.00 14	5830.00 15	4620.00 7	3890.00 4	2880.00 3	2170.00 4	1800.00 4	1310.00 5
1950	22800.00 4	16500.00 4	9790.00 4	8300.00 1	5530.00 1	4170.00 1	3190.00 1	2930.00 1	2150.00 1
1951	10700.00 16	7440.00 17	5190.00 17	3710.00 15	2290.00 15	1740.00 15	1540.00 15	1450.00 9	1240.00 9
1952	8220.00 22	5870.00 22	3400.00 26	3050.00 20	1930.00 23	1610.00 19	1570.00 13	1430.00 11	1290.00 7
1953	9600.00 19	6390.00 20	3810.00 23	2720.00 24	2130.00 18	1380.00 25	1210.00 23	1020.00 24	902.00 22
1954	3020.00 29	2260.00 29	1340.00 29	1030.00 29	871.00 29	651.00 29	542.00 29	456.00 29	340.00 30
1955	6790.00 26	4910.00 28	3040.00 28	1860.00 28	1100.00 28	917.00 28	855.00 27	844.00 27	745.00 26
1956	17000.00 5	13300.00 5	9950.00 3	5370.00 4	2920.00 10	1780.00 14	1310.00 20	1380.00 14	1080.00 14
1957	24400.00 2	20100.00 1	10300.00 2	5310.00 5	3600.00 5	2720.00 4	2570.00 2	2170.00 2	1690.00 2
1958	13500.00 12	10700.00 12	8390.00 6	4510.00 9	2880.00 11	2720.00 5	2130.00 5	1720.00 5	1280.00 8
1959	16500.00 6	10300.00 13	6080.00 12	3550.00 16	3080.00 8	2260.00 8	1780.00 8	1580.00 7	1320.00 4
1960	9420.00 20	5750.00 23	3200.00 27	1910.00 27	1210.00 27	970.00 27	828.00 28	748.00 28	712.00 28



## 03340000 SUGAR CREEK NEAR BYRON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	8530.00	21	6980.00	18	5960.00	14	3830.00	13	2930.00	9	2130.00	10	1790.00	7	1620.00	6	1170.00	12
1962	15900.00	7	11500.00	9	6050.00	13	3290.00	17	2200.00	16	1990.00	12	1640.00	11	1340.00	15	1050.00	16
1963	15900.00	8	11800.00	8	6410.00	11	3760.00	14	2780.00	12	1850.00	13	1330.00	18	1030.00	23	726.00	27
1964	23300.00	3	16800.00	3	8980.00	5	5100.00	6	3140.00	6	2380.00	7	1720.00	10	1410.00	12	1000.00	17
1965	6900.00	25	4980.00	27	4560.00	20	3060.00	19	2080.00	19	1540.00	20	1310.00	19	1210.00	17	915.00	21
1966	2460.00	30	1750.00	30	1220.00	30	929.00	30	712.00	30	516.00	30	412.00	30	403.00	30	370.00	29
1967	12700.00	14	11000.00	11	7110.00	9	3910.00	12	2190.00	17	1520.00	21	1170.00	24	1200.00	19	1060.00	15
1968	15400.00	9	11400.00	10	6760.00	10	4080.00	10	2530.00	14	2220.00	9	1730.00	9	1450.00	10	1300.00	6
1969	14000.00	11	11900.00	7	7410.00	8	4550.00	8	3140.00	7	2020.00	11	1590.00	12	1390.00	13	1130.00	13
1970	7770.00	23	6620.00	19	4800.00	19	3260.00	18	2020.00	21	1440.00	22	1250.00	22	1150.00	20	975.00	18
1971	6370.00	28	5180.00	26	4340.00	21	2910.00	21	2070.00	20	1410.00	24	1010.00	26	970.00	25	798.00	24

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1942	283.00	2
1943	397.00	5
1944	622.00	16
1945	438.00	7
1946	851.00	24
1947	489.00	11
1948	700.00	21
1949	1050.00	28
1950	1040.00	26
1951	1050.00	27
1952	639.00	17
1953	722.00	22
1954	277.00	1
1955	381.00	4
1956	518.00	13
1957	560.00	15
1958	1200.00	30
1959	1170.00	29
1960	444.00	9
1961	425.00	6
1962	908.00	25
1963	477.00	10
1964	321.00	3
1965	541.00	14
1966	443.00	8
1967	515.00	12
1968	649.00	18
1969	765.00	23
1970	679.00	20
1971	651.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1941	114.00	31
1942	433.00	28
1943	683.00	14
1944	442.00	25
1945	535.00	20
1946	749.00	8
1947	548.00	19
1948	768.00	7
1949	721.00	12
1950	1450.00	1
1951	782.00	5
1952	773.00	6
1953	577.00	17
1954	193.00	30
1955	437.00	26
1956	687.00	13
1957	967.00	3
1958	1050.00	2
1959	741.00	9
1960	481.00	24
1961	632.00	16
1962	675.00	15
1963	433.00	27
1964	527.00	21
1965	509.00	23
1966	224.00	29
1967	571.00	18
1968	785.00	4
1969	722.00	11
1970	741.00	10
1971	521.00	22

## WABASH RIVER BASIN

03340000 SUGAR CREEK NEAR BYRON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	68.50	83.10	105.00	117.00	169.00	128.00	275.00	101.00	235.00	54.10	25.00	20.60
1942	37.30	146.00	95.40	76.10	1485.0	952.00	882.00	511.00	744.00	192.00	96.60	78.60
1943	55.50	258.00	402.00	359.00	421.00	777.00	277.00	4455.0	535.00	277.00	218.00	82.60
1944	53.80	106.00	72.80	71.60	351.00	898.00	2452.0	869.00	311.00	60.50	45.70	37.90
1945	40.50	51.00	46.50	50.20	251.00	1054.0	1402.0	1468.0	1387.0	200.00	236.00	241.00
1946	669.00	372.00	747.00	1069.0	1421.0	1059.0	339.00	1555.0	1254.0	301.00	169.00	63.50
1947	68.90	123.00	241.00	808.00	429.00	510.00	1526.0	1135.0	1278.0	171.00	123.00	176.00
1948	79.50	104.00	144.00	670.00	799.00	2210.0	3165.0	937.00	419.00	439.00	180.00	95.90
1949	99.20	387.00	846.00	3789.0	1684.0	626.00	560.00	269.00	185.00	132.00	61.50	50.60
1950	643.00	218.00	985.00	5375.0	2540.0	1556.0	1529.0	396.00	1349.0	607.00	93.40	2174.0
1951	269.00	986.00	1143.0	1296.0	2220.0	755.00	872.00	744.00	283.00	744.00	110.00	65.80
1952	70.90	191.00	581.00	1415.0	1184.0	1407.0	1515.0	770.00	1283.0	288.00	123.00	489.00
1953	108.00	237.00	654.00	699.00	465.00	2026.0	618.00	898.00	274.00	668.00	189.00	38.10
1954	41.50	48.90	51.70	128.00	119.00	233.00	664.00	492.00	401.00	58.40	57.10	18.90
1955	121.00	70.40	183.00	966.00	565.00	978.00	801.00	477.00	595.00	333.00	61.10	103.00
1956	313.00	874.00	327.00	132.00	1627.0	659.00	402.00	2191.0	1119.0	512.00	90.00	50.00
1957	51.60	78.00	345.00	572.00	861.00	458.00	2597.0	1596.0	3349.0	1058.0	263.00	444.00
1958	450.00	840.00	2522.0	564.00	258.00	445.00	338.00	549.00	2559.0	1414.0	2250.0	324.00
1959	132.00	1231.0	391.00	1474.0	2356.0	1187.0	1193.0	525.00	317.00	84.50	81.90	68.40
1960	142.00	218.00	401.00	519.00	1147.0	673.00	550.00	425.00	873.00	490.00	293.00	78.60
1961	56.20	76.50	77.60	111.00	244.00	1809.0	2090.0	1190.0	1275.0	315.00	218.00	118.00
1962	106.00	470.00	319.00	2057.0	1049.0	1716.0	420.00	544.00	192.00	901.00	174.00	141.00
1963	290.00	178.00	111.00	104.00	136.00	2466.0	1087.0	351.00	110.00	181.00	103.00	39.60
1964	34.80	57.10	37.50	156.00	112.00	1574.0	3101.0	415.00	498.00	266.00	51.70	42.40
1965	47.10	66.00	75.50	245.00	770.00	988.00	2077.0	619.00	705.00	295.00	75.60	201.00
1966	102.00	102.00	142.00	372.00	376.00	287.00	429.00	488.00	256.00	67.90	32.90	39.40
1967	36.80	173.00	2090.0	585.00	728.00	1241.0	773.00	868.00	164.00	79.70	60.60	32.00
1968	66.30	80.70	2450.0	1099.0	1571.0	552.00	890.00	1207.0	606.00	207.00	593.00	103.00
1969	76.80	610.00	926.00	2266.0	1272.0	450.00	1163.0	453.00	338.00	591.00	219.00	333.00
1970	1145.0	1503.0	417.00	514.00	634.00	859.00	1913.0	929.00	315.00	274.00	222.00	185.00
1971	264.00	453.00	283.00	219.00	1906.0	985.00	208.00	537.00	944.00	346.00	139.00	85.10

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
53.80	80.70	105.00	132.00	351.00	552.00
FIFTIETH PERCENTILE					
79.50	178.00	327.00	564.00	770.00	952.00
SEVENTY FIFTH PERCENTILE					
264.00	453.00	747.00	1099.00	1485.00	1407.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
429.00	477.00	283.00	171.00	61.50	42.40
FIFTIETH PERCENTILE					
882.00	619.00	535.00	288.00	123.00	82.60
SEVENTY FIFTH PERCENTILE					
1529.00	1135.00	1254.00	512.00	218.00	185.00

## 03340500 WABASH RIVER AT MONTEZUMA, IN

LOCATION.--Lat 39°47'33", long 87°22'26", in SE¼NE¼ sec.35, T.16 N., R.9 W., Parke County, Hydrologic Unit 05120108, on downstream side of first pier from left bank of bridge on U.S. Highway 36 at Montezuma, 2.0 mi upstream from Raccoon Creek, 4.9 mi downstream from Sugar Creek, and at mile 240.0.

DRAINAGE AREA.--11,118 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1927 to September 1985. July 1924 to September 1927 (gage height only) in reports of State of Indiana, Department of Natural Resources.

GAGE.--Water-stage recorder. Datum of gage is 457.75 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 1, 1927, to July 12, 1950, nonrecording gage at same site and datum.

REMARKS.--Flow partially regulated by upstream reservoirs.

AVERAGE DISCHARGE.--58 years, 9,842 ft<sup>3</sup>/s, 12.02 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 184,000 ft<sup>3</sup>/s May 20, 1943, gage height, 32.83 ft; minimum daily, 571 ft<sup>3</sup>/s Sept. 24, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 27, 1913, reached a stage of 34.0 ft, from floodmarks, discharge, 230,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1928						5	7	2	8	14	21	29	28	24	28	28	30	23	28	18	14	12	13	14	2	6	7	2	3							
1929						4	56	41	13	6	15	10	19	23	21	14	18	16	16	19	9	14	13	11	15	10	2									
1930						55	32	19	29	17	11	13	16	19	10	13	23	15	18	19	5	10	5	6	10	3	1	9	2	4	1					
1931				1	13	35	95	43	31	28	19	39	29	13	10	1	2	6																		
1932			1	11	6	13	26	30	24	23	15	13	24	28	37	23	25	20	13	10	8	2	5	3	5	1										
1933					10	39	27	16	20	36	16	11	19	19	12	11	17	10	12	10	8	21	24	8	4	4	6	2	2	1						
1934			11	13	4	25	26	22	61	41	55	29	24	9	11	6	6	9	2	3	4	3	1													
1935					5	12	42	16	10	22	27	18	32	27	28	29	19	19	15	11	11	3	5	1	6	5	2									
1936					24	33	42	19	19	22	40	23	25	20	15	17	12	12	10	3	3	4	3	5	4	3	1	1	2	1	3					
1937						2	14	10	30	21	23	17	20	22	19	32	24	19	15	13	12	22	20	10	4	9	7									
1938						2	7	28	21	31	21	9	23	27	36	27	17	16	15	14	11	6	11	10	7	6	10	9	1							
1939						14	12	35	45	18	14	18	23	31	28	17	12	15	10	8	8	5	9	11	10	6	3	2	4	4	3					
1940					36	11	59	50	37	8	5	11	23	24	27	25	5	6	7	6	5	5	9	5	2											
1941			14	35	19	2	19	29	31	53	51	40	20	20	8	6	7	4	1	3	2	1														
1942			4	1				4	36	38	29	33	33	24	41	20	10	14	15	10	7	6	5	13	10	7	3	2								
1943								4	10	12	18	26	20	24	36	35	34	37	21	19	19	7	6	6	9	4	1	5	3	2	1	1	2	2	1	
1944					2	16	34	28	50	33	53	9	5	7	5	8	6	7	5	11	14	11	15	14	6	8	2	5	4	3	3					
1945					2	28	26	32	27	28	14	10	11	10	15	6	19	17	19	26	20	8	8	4	10	5	5	8	2							
1946					5	20	8	12	5	10	14	8	12	34	33	33	24	18	19	28	9	11	14	8	20	18	2									
1947					10	7	9	7	37	31	41	35	16	16	22	15	12	24	10	8	17	4	13	8	7	6	8	2								
1948						2	23	19	20	29	53	17	25	18	11	25	23	15	13	6	10	5	9	12	7	13	6	5								
1949						26	18	22	6	19	13	10	28	23	48	31	22	20	8	9	7	10	7	5	11	7	10	5								
1950						2	2	5	19	30	21	24	27	19	11	18	14	8	14	14	14	35	20	18	19	7	10	10	8	5	5					
1951									11	10	13	24	19	16	34	29	33	24	18	23	17	20	17	19	11	17	2	3	1	2	2					
1952							1	27	22	14	19	20	14	22	22	16	29	30	15	19	9	16	14	33	23	1										
1953					1	23	10	34	23	14	10	13	33	35	33	28	20	18	17	10	11	6	7	7	10	2										
1954			2	3	20	52	66	35	18	36	25	23	17	11	11	22	7	4	5	4	2	2														
1955					13	6	6	13	13	15	20	31	30	27	32	16	23	12	26	23	18	12	12	4	12	1										
1956					8	4	13	10	29	22	19	26	30	20	20	20	27	35	20	12	12	15	12	8	2	2										
1957					23	26	13	16	22	13	21	15	35	16	12	14	11	17	10	12	11	11	18	17	9	12	2	3	5	1						
1958							13	5	7	13	34	39	47	34	29	27	18	13	18	6	8	12	10	10	7	5	3	1	2	2	2					
1959						11	17	16	30	41	33	30	19	5	6	13	14	20	16	16	18	22	18	3	3	1	3	3	3	2	2					
1960						1	15	20	16	20	23	25	46	35	34	46	27	13	11	4	8	4	6	9	3											
1961				1	1		23	64	45	16	16	27	13	18	18	18	11	8	15	11	12	2	7	5	15	4	7	2	2	2	2					
1962							5	29	33	26	34	27	27	26	22	32	25	9	13	8	12	8	6	14	6	3										
1963						14	15	34	47	73	38	26	18	10	17	6	9	8	6	12	7	5	5	5	1	1	1	3	4							
1964					43	35	56	29	26	12	8	14	22	13	11	9	12	11	9	7	6	7	6	10	8	3	1	2	2	4						

## 03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13515	100.00	12	3800.0	793	7754	57.37	24	30000.0	294	917	6.79
1	571.0	18	13515	100.00	13	4500.0	759	6961	51.51	25	35000.0	239	623	4.61
2	680.0	53	13497	99.87	14	5300.0	806	6202	45.89	26	42000.0	118	384	2.84
3	810.0	179	13444	99.47	15	6300.0	762	5396	39.93	27	50000.0	102	266	1.97
4	960.0	263	13265	98.15	16	7500.0	624	4634	34.29	28	59000.0	80	164	1.21
5	1100.0	455	13002	96.20	17	8900.0	706	4010	29.67	29	70000.0	39	84	0.62
6	1300.0	714	12547	92.84	18	11000.0	583	3304	24.45	30	83000.0	26	45	0.33
7	1600.0	782	11833	87.55	19	13000.0	411	2721	20.13	31	99000.0	12	19	0.14
8	1900.0	922	11051	81.77	20	15000.0	415	2310	17.09	32	120000.0	4	7	0.05
9	2300.0	733	10129	74.95	21	18000.0	301	1895	14.02	33	140000.0	2	3	0.02
10	2700.0	831	9396	69.52	22	21000.0	333	1594	11.79	34	170000.0	1	1	0.01
11	3200.0	811	8565	63.37	23	25000.0	344	1261	9.33					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1170.0  
 P90 = 1460.0  
 P75 = 2300.0  
 P70 = 2670.0  
 P50 = 4720.0  
 P25 = 10800.0  
 P10 = 23900.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1929	1410.00 24	1510.00 25	1540.00 24	1610.00 25	1730.00 23	1790.00 19	1900.00 16	2320.00 17	3310.00 20
1930	1520.00 27	1520.00 26	1550.00 25	1590.00 24	1670.00 21	1890.00 20	2790.00 26	3360.00 27	5910.00 32
1931	910.00 11	1040.00 13	1160.00 16	1220.00 14	1260.00 12	1360.00 10	1430.00 9	1480.00 6	1510.00 4
1932	1040.00 15	1050.00 14	1130.00 15	1520.00 21	1790.00 24	2050.00 25	2280.00 21	2500.00 18	2920.00 16
1933	920.00 12	973.00 10	994.00 9	1030.00 10	1550.00 16	1950.00 21	2090.00 19	2290.00 16	2700.00 14
1934	1100.00 17	1220.00 18	1440.00 21	1570.00 23	1640.00 19	2020.00 24	2280.00 22	2500.00 19	3010.00 18
1935	700.00 3	713.00 2	729.00 2	758.00 2	1010.00 5	1150.00 6	1310.00 7	1850.00 11	2170.00 9
1936	1230.00 19	1230.00 19	1260.00 17	1290.00 16	1340.00 13	1470.00 13	2050.00 18	2570.00 22	2880.00 15
1937	1020.00 13	1030.00 12	1050.00 12	1060.00 11	1070.00 8	1240.00 9	1460.00 10	1870.00 12	3910.00 25
1938	1460.00 25	1530.00 27	1690.00 27	1870.00 29	2310.00 30	3190.00 33	3000.00 27	3310.00 26	4740.00 27
1939	1250.00 20	1380.00 23	1640.00 26	1770.00 26	1800.00 25	1960.00 22	2280.00 23	2540.00 21	3370.00 21
1940	1100.00 18	1100.00 16	1100.00 13	1130.00 12	1250.00 11	1390.00 11	1520.00 11	1480.00 7	1830.00 6
1941	751.00 6	773.00 3	793.00 3	807.00 3	911.00 2	946.00 2	1050.00 3	1160.00 3	1530.00 5
1942	571.00 1	591.00 1	600.00 1	610.00 1	692.00 1	736.00 1	1020.00 1	1580.00 8	2410.00 13
1943	1780.00 31	1790.00 31	1870.00 31	2020.00 31	2530.00 32	2760.00 30	3100.00 29	3810.00 28	4800.00 29
1944	700.00 2	833.00 5	1010.00 10	1220.00 15	1390.00 14	1410.00 12	1570.00 12	1930.00 13	2370.00 12
1945	740.00 5	867.00 8	891.00 6	902.00 5	977.00 4	1020.00 3	1050.00 2	1100.00 2	1170.00 1
1946	1600.00 28	1650.00 28	1850.00 30	1910.00 30	2380.00 31	3590.00 35	4080.00 34	6100.00 35	5830.00 31
1947	880.00 9	923.00 9	969.00 8	992.00 7	1020.00 6	1160.00 7	1400.00 8	1700.00 9	2260.00 10
1948	1490.00 26	1490.00 24	1500.00 23	1550.00 22	1930.00 27	2320.00 27	2450.00 25	2510.00 20	3020.00 19
1949	1290.00 21	1310.00 20	1340.00 19	1470.00 18	1550.00 17	1690.00 17	1990.00 17	2740.00 25	3850.00 24
1950	1700.00 29	1700.00 29	1740.00 28	1820.00 27	2170.00 29	2390.00 28	3360.00 32	4250.00 32	4990.00 30
1951	2500.00 36	2550.00 36	2720.00 36	3070.00 36	3520.00 36	6220.00 36	7660.00 36	7230.00 36	8650.00 35
1952	1920.00 33	1920.00 33	1980.00 33	2130.00 33	2130.00 28	2510.00 29	3040.00 28	4020.00 31	6390.00 33
1953	1730.00 30	1740.00 30	1760.00 29	1830.00 28	1860.00 26	2060.00 26	2440.00 24	2720.00 24	3370.00 22
1954	718.00 4	774.00 4	960.00 7	1030.00 8	1070.00 9	1160.00 8	1230.00 5	1270.00 4	1460.00 3
1955	1040.00 16	1070.00 15	1120.00 14	1190.00 13	1460.00 15	1740.00 18	1870.00 15	2200.00 15	2960.00 17
1956	822.00 7	839.00 6	875.00 4	894.00 4	1120.00 10	1680.00 16	3160.00 30	3950.00 30	4750.00 28
1957	1020.00 14	1020.00 11	1030.00 11	1030.00 9	1050.00 7	1110.00 5	1230.00 6	1470.00 5	2000.00 7
1958	1910.00 32	1910.00 32	1960.00 32	2100.00 32	2640.00 33	2990.00 32	3890.00 33	4970.00 33	9430.00 36
1959	2460.00 35	2460.00 35	2480.00 34	2540.00 34	2660.00 34	3360.00 34	4670.00 35	5230.00 34	8120.00 34
1960	1330.00 23	1330.00 21	1370.00 20	1470.00 19	1690.00 22	2000.00 23	2270.00 20	2700.00 23	3740.00 23
1961	880.00 10	1120.00 17	1330.00 18	1450.00 17	1650.00 20	1670.00 14	1810.00 13	1800.00 10	2060.00 8
1962	2250.00 34	2250.00 34	2490.00 35	2560.00 35	2740.00 35	2960.00 31	3190.00 31	3890.00 29	4550.00 26
1963	1300.00 22	1370.00 22	1490.00 22	1510.00 20	1620.00 18	1680.00 15	1810.00 14	1960.00 14	2260.00 11
1964	860.00 8	867.00 7	886.00 5	912.00 6	970.00 3	1030.00 4	1080.00 4	1080.00 1	1370.00 2

## 03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1928	74800.00 13	73500.00 13	66600.00 13	57100.00 9	42100.00 9	29700.00 12	27100.00 10	22800.00 12	17900.00 13
1929	57500.00 20	53600.00 21	49500.00 20	40200.00 21	30100.00 21	26700.00 17	23000.00 18	21300.00 16	19000.00 10
1930	100000.00 5	97600.00 5	89800.00 4	77200.00 3	54300.00 3	37500.00 2	31500.00 2	26100.00 2	20300.00 6
1931	10400.00 37	10300.00 37	7980.00 37	6640.00 37	5490.00 37	4440.00 37	4020.00 37	3730.00 37	3260.00 37
1932	42900.00 27	41000.00 27	39100.00 26	31900.00 27	23700.00 26	18000.00 28	15400.00 28	13400.00 29	11300.00 28
1933	99400.00 6	95800.00 6	81600.00 6	59700.00 5	42100.00 10	37500.00 3	31500.00 3	25800.00 3	22800.00 2
1934	21600.00 34	20300.00 34	17400.00 34	13000.00 34	9690.00 34	6870.00 35	5280.00 35	4740.00 35	3930.00 35
1935	51800.00 25	50200.00 25	47700.00 22	41900.00 20	26700.00 24	18400.00 27	16500.00 26	14500.00 26	12600.00 25
1936	95800.00 8	89200.00 8	74900.00 8	49400.00 15	30600.00 20	20500.00 23	18100.00 24	14600.00 25	10700.00 30
1937	68000.00 17	65900.00 17	64500.00 15	58000.00 7	44800.00 6	33200.00 8	25500.00 13	25300.00 5	21300.00 4
1938	71900.00 15	69800.00 14	65300.00 14	59300.00 6	47700.00 4	35400.00 7	27200.00 9	23300.00 10	20100.00 8
1939	97500.00 7	92700.00 7	77700.00 7	54000.00 12	42400.00 8	31900.00 9	28400.00 6	23100.00 11	17700.00 14
1940	25900.00 33	25300.00 33	20300.00 33	16400.00 33	14800.00 33	10200.00 33	9450.00 33	8820.00 33	6810.00 33
1941	15100.00 36	14200.00 36	12300.00 36	8590.00 36	6160.00 36	4520.00 36	4620.00 36	4170.00 36	3570.00 36
1942	53000.00 23	51000.00 24	44900.00 25	33800.00 25	23200.00 27	21900.00 22	20400.00 21	16900.00 22	13200.00 23
1943	182000.00 1	171000.00 1	137000.00 1	97500.00 1	62700.00 2	36800.00 4	28800.00 4	24100.00 7	20200.00 7
1944	80800.00 11	76400.00 11	67200.00 12	55000.00 10	40100.00 14	28500.00 14	23800.00 17	20200.00 17	13900.00 21
1945	53200.00 22	51200.00 22	45000.00 24	32900.00 26	22600.00 28	20400.00 24	18800.00 22	17600.00 21	13500.00 22
1946	35800.00 31	35000.00 31	33100.00 30	29900.00 28	20100.00 30	17400.00 29	17400.00 25	14800.00 24	14200.00 20
1947	52200.00 24	51200.00 23	47200.00 23	36100.00 24	27800.00 23	26200.00 19	22100.00 20	18100.00 20	14700.00 19
1948	57800.00 19	55900.00 19	52800.00 19	43400.00 18	40600.00 12	28400.00 15	24300.00 15	20100.00 18	15700.00 18
1949	63700.00 18	63200.00 18	59100.00 17	54200.00 11	44200.00 7	36300.00 5	28200.00 5	23900.00 8	18600.00 11
1950	108000.00 3	103000.00 3	92700.00 3	89400.00 2	70200.00 1	54800.00 1	44700.00 1	42900.00 1	32700.00 1
1951	88000.00 9	84800.00 9	73200.00 9	53700.00 13	36200.00 16	28300.00 16	24500.00 14	22600.00 14	20300.00 5
1952	42600.00 28	40700.00 28	37300.00 28	36500.00 23	31100.00 19	24700.00 20	24100.00 16	23900.00 9	21700.00 3
1953	37000.00 30	35300.00 30	33200.00 29	28100.00 29	24300.00 25	18700.00 26	15500.00 27	13500.00 28	11500.00 26
1954	18400.00 35	17400.00 35	15300.00 35	12000.00 35	9480.00 35	7290.00 34	6760.00 34	5950.00 34	4750.00 34
1955	30200.00 32	29500.00 32	28200.00 32	23400.00 31	18500.00 32	14800.00 32	12600.00 31	12200.00 31	10700.00 31
1956	37200.00 29	36100.00 29	31700.00 31	23400.00 32	20000.00 31	15000.00 31	12500.00 32	13100.00 30	10900.00 29
1957	73100.00 14	67000.00 15	58600.00 18	44600.00 17	38100.00 15	28700.00 13	26200.00 11	24700.00 6	18500.00 12
1958	129000.00 2	124000.00 2	107000.00 2	73200.00 4	44900.00 5	35800.00 6	28400.00 5	22700.00 13	17300.00 15
1959	103000.00 4	98900.00 4	83900.00 5	57200.00 8	40200.00 13	30600.00 11	28000.00 8	25700.00 4	19200.00 9
1960	45200.00 26	42700.00 26	38800.00 27	27100.00 30	20700.00 29	15900.00 30	14900.00 29	13900.00 27	13100.00 24
1961	84500.00 10	82900.00 10	71400.00 10	53600.00 14	42000.00 11	30700.00 10	25500.00 12	21400.00 15	16100.00 16
1962	57400.00 21	55800.00 20	49200.00 21	39600.00 22	32600.00 18	26500.00 18	22400.00 19	18900.00 19	15700.00 17
1963	68000.00 16	66000.00 16	60200.00 16	42500.00 19	29400.00 22	19500.00 25	14700.00 30	11900.00 32	8770.00 32
1964	76700.00 12	75100.00 12	69200.00 11	48600.00 16	33700.00 17	24500.00 21	18200.00 23	15300.00 23	11400.00 27

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1929	7800.00 16
1930	16200.00 35
1931	3310.00 1
1932	6750.00 11
1933	8250.00 17
1934	8430.00 18
1935	5140.00 5
1936	8670.00 20
1937	10800.00 25
1938	11100.00 26
1939	12900.00 30
1940	6010.00 8
1941	3550.00 2
1942	6150.00 9
1943	8650.00 19
1944	10500.00 23
1945	7460.00 14
1946	11900.00 27
1947	5870.00 7
1948	10600.00 24
1949	13100.00 31
1950	16400.00 36

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1928	12700.00 8
1929	11100.00 13
1930	11500.00 11
1931	2510.00 37
1932	7090.00 29
1933	13000.00 7
1934	3350.00 34
1935	8060.00 23
1936	6450.00 30
1937	14300.00 2
1938	12500.00 9
1939	10200.00 16
1940	4060.00 33
1941	2530.00 36
1942	8440.00 22
1943	13100.00 6
1944	7800.00 25
1945	7650.00 26
1946	9510.00 17
1947	8690.00 21
1948	9460.00 18
1949	11400.00 12

## 03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	15600.00	34
1952	12700.00	28
1953	9740.00	22
1954	4400.00	4
1955	6290.00	10
1956	7370.00	13
1957	5340.00	6
1958	14000.00	32
1959	15400.00	33
1960	9010.00	21
1961	7600.00	15
1962	12700.00	29
1963	7090.00	12
1964	3870.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	20300.00	1
1951	13600.00	3
1952	13300.00	5
1953	7280.00	27
1954	3120.00	35
1955	7200.00	28
1956	7840.00	24
1957	10700.00	14
1958	13600.00	4
1959	11500.00	10
1960	9200.00	19
1961	9150.00	20
1962	10300.00	15
1963	5360.00	32
1964	6330.00	31

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1928	11800.0	6695.0	40350.0	17210.0	22070.0	9135.0	9332.0	5139.0	13470.0	11460.0	3645.0	2700.0
1929	1793.0	2087.0	3711.0	16800.0	7796.0	15530.0	23830.0	29060.0	12510.0	13330.0	4465.0	1895.0
1930	2179.0	5681.0	16540.0	52850.0	17580.0	13540.0	14660.0	6211.0	2735.0	2021.0	1778.0	1563.0
1931	1472.0	1262.0	1720.0	1485.0	1789.0	3104.0	4941.0	3148.0	3048.0	2637.0	1908.0	3581.0
1932	3828.0	5554.0	10020.0	21950.0	13200.0	7258.0	6542.0	6083.0	2751.0	3436.0	2042.0	2480.0
1933	2099.0	4525.0	15400.0	18230.0	9283.0	25700.0	25230.0	41180.0	5498.0	2617.0	2247.0	3005.0
1934	5601.0	2402.0	2407.0	3178.0	1991.0	5285.0	8302.0	2082.0	1357.0	1210.0	3030.0	3248.0
1935	2457.0	4463.0	4206.0	10780.0	6377.0	14200.0	8460.0	26030.0	7859.0	6381.0	3271.0	1790.0
1936	1352.0	4239.0	2975.0	3794.0	13810.0	23980.0	7048.0	12720.0	2473.0	1277.0	1404.0	2488.0
1937	4799.0	18070.0	3892.0	43980.0	21540.0	10120.0	24950.0	15140.0	11910.0	9122.0	4751.0	3686.0
1938	4082.0	2306.0	8485.0	5753.0	17670.0	26150.0	37650.0	8348.0	11310.0	20050.0	5638.0	3395.0
1939	1864.0	2074.0	2887.0	5235.0	22070.0	35620.0	27020.0	6585.0	7572.0	7469.0	3465.0	1412.0
1940	1500.0	1659.0	1505.0	2337.0	3569.0	8360.0	11380.0	8199.0	6624.0	1772.0	1010.0	947.00
1941	1363.0	1649.0	2541.0	2434.0	2471.0	2370.0	5070.0	2845.0	5851.0	2385.0	815.00	710.00
1942	2661.0	5272.0	3179.0	2593.0	23300.0	20480.0	18140.0	6392.0	7947.0	3565.0	6220.0	3005.0
1943	2645.0	8694.0	8203.0	13240.0	10870.0	15160.0	6673.0	58400.0	13290.0	7459.0	7646.0	4167.0
1944	1945.0	3060.0	1700.0	1425.0	4815.0	14670.0	37280.0	18650.0	6676.0	1599.0	1071.0	1031.0
1945	1085.0	1438.0	1264.0	1137.0	4443.0	14070.0	20770.0	19260.0	15470.0	4645.0	4535.0	3713.0
1946	12340.0	5181.0	5698.0	17900.0	16180.0	17420.0	5727.0	12850.0	14260.0	4031.0	1815.0	1026.0
1947	1432.0	2569.0	3194.0	7331.0	9598.0	6932.0	20020.0	21900.0	22370.0	4061.0	2561.0	2882.0
1948	1998.0	2654.0	4091.0	8938.0	8040.0	27400.0	27830.0	14690.0	6876.0	6334.0	2833.0	1819.0
1949	1573.0	4844.0	7627.0	41160.0	31380.0	12060.0	9197.0	10350.0	7825.0	6613.0	3210.0	2191.0
1950	8090.0	3847.0	14620.0	66690.0	40090.0	24800.0	35890.0	10560.0	14050.0	9202.0	3563.0	13490.0
1951	6001.0	10180.0	16260.0	19130.0	31700.0	18870.0	20820.0	13030.0	7093.0	15100.0	3904.0	2564.0
1952	3077.0	6770.0	8906.0	24600.0	23150.0	23370.0	24420.0	16830.0	17520.0	4871.0	3442.0	3240.0
1953	2039.0	2480.0	5204.0	7249.0	7095.0	22480.0	13560.0	9811.0	5238.0	7842.0	2913.0	1228.0
1954	1119.0	1381.0	1387.0	1730.0	2510.0	3994.0	9186.0	4694.0	5774.0	2092.0	2072.0	1581.0
1955	6525.0	2657.0	3612.0	12400.0	6340.0	18320.0	11110.0	6794.0	8542.0	6168.0	2420.0	1210.0
1956	5833.0	12310.0	4515.0	2341.0	14040.0	13660.0	7055.0	13060.0	11230.0	6134.0	2880.0	1430.0
1957	1076.0	1368.0	2491.0	4524.0	6625.0	6370.0	35940.0	20170.0	18210.0	23450.0	4429.0	3434.0
1958	4587.0	7869.0	25680.0	10360.0	4939.0	7855.0	6501.0	5942.0	42730.0	22040.0	18840.0	4944.0
1959	3087.0	8295.0	5272.0	11050.0	40610.0	18520.0	19680.0	20650.0	5481.0	3516.0	2209.0	1834.0
1960	3734.0	6552.0	7462.0	10640.0	18180.0	8696.0	17930.0	9426.0	13820.0	7632.0	4715.0	2300.0
1961	1748.0	2007.0	1751.0	1756.0	3408.0	24440.0	28630.0	22310.0	9062.0	4210.0	7130.0	2975.0
1962	3044.0	5559.0	4376.0	15300.0	18200.0	31440.0	9340.0	9252.0	6875.0	14280.0	3776.0	2884.0
1963	2807.0	2424.0	1855.0	1661.0	1957.0	27250.0	10140.0	5509.0	3626.0	3531.0	1957.0	1136.0
1964	973.00	1238.0	1041.0	1945.0	1947.0	13320.0	32120.0	8496.0	6686.0	5752.0	1535.0	1127.0

## 03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1537.00	2081.00	2449.00	2388.00	4629.00	8528.00
FIFTIETH PERCENTILE					
2457.00	3847.00	4091.00	8938.00	9598.00	14670.00
SEVENTY FIFTH PERCENTILE					
4335.00	6117.00	8344.00	17560.00	19870.00	23680.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
8381.00	6302.00	5636.00	3037.00	2000.00	1421.00
FIFTIETH PERCENTILE					
14660.00	10350.00	7825.00	5752.00	3030.00	2480.00
SEVENTY FIFTH PERCENTILE					
25090.00	18960.00	13380.00	8482.00	4447.00	3244.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
1970						2	5	14	9	12	32	15	NUMBER OF DAYS IN CLASS										7	12	12	17	13	14	10	5	4	2	2	2	2			
1971					1	10	5	23	9	18	37	28	38	40	33	29	17	13	11	14	5	7	5	2	9	6	4	1										
1972					1	2	8	35	28	24	17	27	27	13	33	11	30	15	16	15	13	14	5	14	6	5	2	2	2	2	1							
1973								3	19	7	10	9	4	6	23	23	33	10	17	17	44	40	27	15	27	18	7	4	2									
1974								14	20	31	43	23	5	5	6	11	13	19	9	17	13	24	25	16	15	20	6	8	14	3	1	3	1					
1975						8	10	12	7	14	21	18	29	27	21	20	24	15	29	23	27	30	9	4	7	3	4	3										
1976					9	13	8	5	10	15	20	57	39	33	23	21	11	15	9	11	5	12	8	6	11	8	7	4	1	5								
1977	6	30	26	16	32	26	50	19	12	10	13	15	14	9	13	8	13	9	11	6	10	8	5	4														
1978					1	18	10	11	20	32	27	17	27	35	10	20	9	10	14	21	19	12	4	10	13	12	5	2	3	3								
1979								35	31	19	36	21	17	27	25	19	12	20	3	12	9	10	10	22	14	7	3	4	3	1	2	3						
1980								4	8	45	41	28	35	26	24	22	18	11	14	16	11	7	9	12	18	11	2	3	1									
1981					6	7	13	11	62	37	18	14	10	10	10	11	14	7	12	25	35	20	15	9	4	7	3	1	3	1								
1982						2	18	8	12	5	8	11	22	33	37	29	32	17	22	10	8	8	3	8	18	20	13	4	3	4	10							
1983					16	26	14	20	10	9	16	3	11	28	30	29	23	17	9	13	15	21	12	6	8	14	6	3	1	2	1	2						
1984					24	20	17	9	18	25	21	18	13	27	34	18	10	8	10	5	12	11	10	15	14	9	6	12										
1985					7	22	22	18	14	11	44	35	36	19	24	18	18	8	6	3	6	3	4	10	4	10	2	3	10	2	2	1	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	4400.0	344	3965	67.85	24	25000.0	162	668	11.43
1	900.0	6	5844	100.00	13	5100.0	357	3621	61.96	25	29000.0	168	506	8.66
2	1000.0	30	5838	99.90	14	5900.0	341	3264	55.85	26	34000.0	126	338	5.78
3	1200.0	26	5808	99.38	15	6800.0	397	2923	50.02	27	39000.0	73	212	3.63
4	1400.0	42	5782	98.94	16	7900.0	270	2526	43.22	28	45000.0	58	139	2.38
5	1600.0	121	5740	98.22	17	9100.0	336	2256	38.60	29	52000.0	36	81	1.39
6	1900.0	120	5619	96.15	18	11000.0	157	1920	32.85	30	60000.0	17	45	0.77
7	2100.0	267	5499	94.10	19	12000.0	226	1763	30.17	31	69000.0	23	28	0.48
8	2500.0	218	5232	89.53	20	14000.0	193	1537	26.30	32	80000.0	2	5	0.09
9	2900.0	295	5014	85.80	21	16000.0	278	1344	23.00	33	93000.0	2	3	0.05
10	3300.0	382	4719	80.75	22	19000.0	233	1066	18.24	34	110000.0	1	1	0.02
11	3800.0	372	4337	74.21	23	22000.0	165	833	14.25					

## 03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2010.0  
 P90 = 2460.0  
 P75 = 3740.0  
 P70 = 4200.0  
 P50 = 6800.0  
 P25 = 14800.0  
 P10 = 27100.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	1820.00 8	1890.00 7	2020.00 8	2120.00 8	2560.00 10	3920.00 12	4040.00 11	4610.00 10	5050.00 8
1972	1450.00 4	1580.00 4	1670.00 4	1980.00 6	2170.00 4	2710.00 9	3120.00 7	3110.00 5	4150.00 5
1973	1760.00 6	1900.00 8	2090.00 9	2580.00 11	3050.00 11	3990.00 13	5010.00 13	6500.00 14	9540.00 14
1974	2610.00 13	2700.00 12	2890.00 12	3070.00 13	3200.00 12	3320.00 10	3500.00 10	4940.00 11	6570.00 10
1975	1970.00 10	2000.00 9	2010.00 7	2090.00 7	2290.00 7	2650.00 6	2780.00 4	3100.00 3	4620.00 6
1976	2870.00 15	2980.00 15	3300.00 15	4020.00 14	4200.00 14	4310.00 14	5180.00 14	5400.00 12	6820.00 13
1977	900.00 1	947.00 1	986.00 1	1020.00 1	1090.00 1	1190.00 1	1370.00 1	1580.00 1	1790.00 1
1978	1070.00 2	1130.00 2	1200.00 2	1480.00 2	2180.00 5	2290.00 4	3200.00 8	4130.00 9	6610.00 11
1979	1950.00 9	2070.00 10	2140.00 10	2260.00 9	2380.00 9	2540.00 5	2800.00 5	3110.00 4	3660.00 2
1980	2750.00 14	2820.00 13	2910.00 13	3050.00 12	3260.00 13	3480.00 11	4210.00 12	5780.00 13	6820.00 12
1981	1800.00 7	1800.00 6	1810.00 5	1890.00 4	2250.00 6	2690.00 7	3010.00 6	3140.00 6	3720.00 3
1982	2500.00 12	2900.00 14	3000.00 14	4550.00 15	5960.00 15	6790.00 15	7330.00 15	7820.00 15	9940.00 15
1983	2040.00 11	2080.00 11	2150.00 11	2290.00 10	2360.00 8	2710.00 8	3340.00 9	4060.00 8	6460.00 9
1984	1400.00 3	1400.00 3	1480.00 3	1560.00 3	1600.00 2	1730.00 2	1840.00 2	2330.00 2	3870.00 4
1985	1670.00 5	1740.00 5	1880.00 6	1900.00 5	1980.00 3	2100.00 3	2680.00 3	3370.00 7	4710.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	61600.00 8	59700.00 7	53000.00 8	42300.00 9	32400.00 8	24700.00 12	19900.00 12	17700.00 12	14300.00 14
1971	40200.00 15	38300.00 15	35900.00 15	31800.00 14	25200.00 14	19000.00 15	14200.00 15	12400.00 15	10400.00 15
1972	60000.00 9	57300.00 10	50400.00 10	40100.00 11	32200.00 9	22700.00 13	18600.00 14	16000.00 14	14400.00 13
1973	55400.00 11	54100.00 11	48000.00 12	35600.00 12	32000.00 10	28200.00 6	24700.00 6	23300.00 4	23700.00 3
1974	81100.00 2	77000.00 2	68200.00 3	55800.00 3	39800.00 4	32300.00 4	29300.00 2	27600.00 2	24800.00 2
1975	46300.00 14	45800.00 14	41400.00 14	30700.00 15	23900.00 15	21900.00 14	19800.00 13	18000.00 11	16700.00 10
1976	58400.00 10	57400.00 9	53300.00 7	44600.00 7	37900.00 5	27500.00 7	21000.00 9	18900.00 10	14600.00 12
1977	27000.00 16	26800.00 16	22100.00 16	18200.00 16	14400.00 16	11500.00 16	10000.00 16	8180.00 16	7170.00 16
1978	71900.00 6	71300.00 6	66600.00 4	55500.00 4	45800.00 3	33300.00 3	26900.00 4	22500.00 6	19300.00 4
1979	75600.00 5	72200.00 4	62500.00 5	46500.00 5	35600.00 6	31300.00 5	25100.00 5	20300.00 8	17100.00 7
1980	55300.00 12	51500.00 12	45700.00 13	33300.00 13	32000.00 11	26100.00 9	20900.00 10	20100.00 9	16100.00 11
1981	61600.00 7	58000.00 8	52800.00 9	42600.00 8	30600.00 13	25700.00 10	22600.00 8	20600.00 7	16900.00 8
1982	78400.00 3	75700.00 3	72300.00 2	61700.00 2	54500.00 2	45600.00 1	37500.00 1	31600.00 1	25200.00 1
1983	77300.00 4	71300.00 5	59800.00 6	41400.00 10	31100.00 12	25700.00 11	19900.00 11	16800.00 13	16800.00 9
1984	51100.00 13	50800.00 13	49900.00 11	44800.00 6	34800.00 7	27300.00 8	24300.00 7	22700.00 5	18500.00 6
1985	114000.00 1	108000.00 1	90900.00 1	72000.00 1	55800.00 1	38500.00 2	27800.00 3	24500.00 3	18700.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	10600.00 4
1972	6550.00 2
1973	16900.00 14
1974	15200.00 13
1975	12400.00 11
1976	12000.00 10
1977	4390.00 1
1978	10800.00 6
1979	10700.00 5
1980	11100.00 8
1981	8180.00 3
1982	18300.00 15
1983	11000.00 7
1984	11900.00 9
1985	13100.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	10600.00 10
1971	7570.00 15
1972	10000.00 13
1973	17000.00 1
1974	15100.00 3
1975	11300.00 7
1976	9510.00 14
1977	5180.00 16
1978	13300.00 4
1979	10600.00 11
1980	11100.00 8
1981	10800.00 9
1982	15700.00 2
1983	10500.00 12
1984	11400.00 5
1985	11300.00 6



03340500 WABASH RIVER AT MONTEZUMA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	9847.0	14440.0	8105.0	5012.0	10870.0	11060.0	26580.0	21300.0	6668.0	4306.0	4545.0	4375.0
1971	5801.0	6840.0	6085.0	3617.0	19940.0	17910.0	5171.0	6670.0	8156.0	5860.0	2324.0	3505.0
1972	3789.0	2808.0	15880.0	10580.0	5048.0	8488.0	30180.0	14810.0	9979.0	6202.0	3268.0	9573.0
1973	14630.0	27040.0	22620.0	23810.0	13580.0	27000.0	27020.0	10850.0	17410.0	7923.0	8723.0	3240.0
1974	3446.0	5867.0	16730.0	34380.0	25890.0	21230.0	22020.0	22790.0	17680.0	5508.0	3034.0	2909.0
1975	2434.0	4960.0	9110.0	19040.0	21860.0	18170.0	12320.0	12090.0	17430.0	5820.0	5441.0	7574.0
1976	4423.0	4228.0	13610.0	8114.0	29930.0	24250.0	7777.0	4609.0	7091.0	6115.0	2577.0	2222.0
1977	2218.0	2003.0	1403.0	1107.0	2861.0	12620.0	9744.0	6618.0	2186.0	2567.0	8717.0	9966.0
1978	14650.0	6812.0	22890.0	9255.0	4266.0	30560.0	29170.0	18350.0	7976.0	8128.0	3743.0	2704.0
1979	2509.0	3644.0	4777.0	5171.0	6241.0	35090.0	26320.0	9860.0	5590.0	9289.0	14590.0	3947.0
1980	3438.0	6548.0	11790.0	8278.0	8362.0	24840.0	24410.0	6659.0	22210.0	6055.0	6817.0	4206.0
1981	3394.0	3424.0	3474.0	2336.0	9962.0	6099.0	11000.0	30170.0	20530.0	16100.0	10640.0	12840.0
1982	8585.0	7318.0	6470.0	14430.0	32200.0	49690.0	29880.0	10900.0	15340.0	8106.0	4667.0	2467.0
1983	2958.0	7433.0	22460.0	11240.0	9174.0	7245.0	22130.0	27890.0	7326.0	4824.0	1949.0	1602.0
1984	2989.0	4818.0	17820.0	4715.0	21300.0	25910.0	24050.0	16640.0	9409.0	4729.0	2945.0	2060.0
1985	4395.0	7744.0	8376.0	14590.0	23730.0	39200.0	19420.0	5455.0	4730.0	3147.0	3535.0	2345.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2966.00	3790.00	6181.00	4789.00	6771.00	11450.00
FIFTIETH PERCENTILE					
3618.00	6208.00	10450.00	8767.00	12230.00	22740.00
SEVENTY FIFTH PERCENTILE					
7889.00	7404.00	17550.00	14550.00	23260.00	29670.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
11330.00	6662.00	6774.00	4753.00	2967.00	2376.00
FIFTIETH PERCENTILE					
23090.00	11500.00	8783.00	5958.00	4144.00	3373.00
SEVENTY FIFTH PERCENTILE					
26910.00	20560.00	17430.00	8060.00	8242.00	6774.00

## 03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN

LOCATION.--Lat 39°48'45", long 86°57'14", in NW¼SW¼ sec.22, T.16 N., R.5 W., Putnam County, Hydrologic Unit 05120108, on left bank at downstream side of county road bridge, 1.6 mi upstream from Ramp Creek, 3.1 mi west of Fincastle, and at mile 48.8.

DRAINAGE AREA.--139 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1957 to September 1985. Prior to October 1963, published as Raccoon Creek near Fincastle.

GAGE.--Water-stage recorder. Datum of gage is 686.03 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--28 years, 143 ft<sup>3</sup>/s, 13.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft<sup>3</sup>/s Jan. 26, 1962; maximum gage height, 15.68 ft Jan. 26, 1962 (ice jam); minimum daily discharge, 1.8 ft<sup>3</sup>/s Sept. 16, 17, and Oct. 5, 6, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.10 ft, discharge, 39,900 ft<sup>3</sup>/s, from slope-area measurement.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1958								3	8	6	2	6	29	42	41	52	30	40	22	15	16	9	13	6	11	2	4	4	2		1	1			
1959				13	6	11	4	30	10	9	32	29	23	17	23	19	31	22	24	29	10	10	4	2	3	1	1							2	
1960					1	15	27	24	14	20	23	15	25	46	42	24	27	13	16	12	2	7	4	3	1	1	2	1	1						
1961					9	12	45	40	46	26	12	15	19	15	17	15	11	16	7	12	14	7	6	7	4	2	3		2	2	1				
1962								17	18	31	26	17	9	11	28	36	34	32	29	20	21	11	8	4	5	1		2		1	1	1	1		
1963				3	10	5	13	11	24	60	48	41	19	15	15	25	5	7	10	13	12	8	6	6	3	1	3					1	1		
1964				9	15	28	49	39	28	5	5	20	29	24	12	8	12	12	10	9	8	6	6	4	8	2	8	5		2			1	1	
1965				7	2	4	6	26	51	26	26	17	21	13	14	18	13	12	15	25	17	8	8	11	7	5	5	3	2		1	2			
1966				20	24	22	9	15	34	33	33	28	29	21	15	16	22	13	9	6	1	7	6		2										
1967				13	29	23	36	18	11	9	14	7	11	17	20	19	31	13	17	15	19	13	10	1	9	2	2	2	1	2	1				
1968					5		4	7	14	25	34	21	9	10	40	30	24	21	21	14	13	17	14	9	12	4	5	4		3	2	3			1
1969								10	23	13	13	8	13	14	22	38	47	33	23	15	24	21	20	5	7	3	4	3	1	1	1	2	1		
1970								14	18	13	18	12	12	9	28	12	14	21	46	38	28	21	17	9	11	8	6	1	4	1	2	2			
1971								3	7	8	18	37	32	42	31	39	29	24	22	16	12	14	8	3	6	5	3		1	1	2	1	1		
1972									1	54	35	22	12	18	47	40	24	31	18	14	14	10	7	6	2	3	2	1	3	1	1	1			
1973										9	14	16	10	10	33	40	30	31	23	46	31	19	16	6	9	10	4	2	4	1	1				
1974									3	18	19	19	23	13	13	14	22	40	31	35	19	20	17	13	12	10	3	7	6	4	2	1	1		
1975										23	38	23	22	22	27	18	27	24	27	29	26	18	13	6	8	2	4		7		1				
1976																																			
1977																																			
1978																																			
1979																																			
1980																																			
1981																																			
1982																																			
1983																																			
1984																																			
1985																																			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10227	100.00	12	28.0	551	6662	65.14	24	570.0	139	482	4.71
1	1.8	16	10227	100.00	13	36.0	621	6111	59.75	25	730.0	92	343	3.35
2	2.3	50	10211	99.84	14	46.0	791	5490	53.68	26	930.0	76	251	2.45
3	3.0	99	10161	99.35	15	60.0	797	4699	45.95	27	1200.0	46	175	1.71
4	3.8	204	10062	98.39	16	77.0	664	3902	38.15	28	1500.0	62	129	1.26
5	4.9	262	9858	96.39	17	98.0	672	3238	31.66	29	2000.0	27	67	0.66
6	6.3	405	9596	93.83	18	130.0	454	2566	25.09	30	2500.0	20	40	0.39
7	8.1	349	9191	89.87	19	160.0	501	2112	20.65	31	3300.0	8	20	0.20
8	10.0	471	8842	86.46	20	210.0	418	1611	15.75	32	4200.0	8	12	0.12
9	13.0	585	8371	81.85	21	270.0	293	1193	11.67	33	5400.0	2	4	0.04
10	17.0	606	7786	76.13	22	340.0	235	900	8.80	34	6900.0	2	2	0.02
11	22.0	518	7180	70.21	23	440.0	183	665	6.50					

## 03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.7  
 P90 = 8.0  
 P75 = 18.0  
 P70 = 22.2  
 P50 = 52.7  
 P25 = 131.0  
 P10 = 311.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1959	24.00 27	25.00 27	25.00 27	26.00 27	27.00 25	41.00 24	49.00 23	83.00 25	125.00 27
1960	4.00 8	4.00 8	4.10 8	4.30 7	5.40 8	11.00 13	17.00 12	19.00 10	28.00 10
1961	4.00 9	4.10 9	4.30 9	4.70 8	5.70 9	7.00 8	7.50 6	7.90 6	9.40 3
1962	9.80 19	9.90 19	10.00 19	10.00 17	13.00 16	25.00 19	25.00 17	30.00 16	49.00 14
1963	8.20 18	8.50 18	8.70 16	9.60 16	11.00 14	20.00 16	23.00 15	24.00 12	31.00 11
1964	2.40 3	2.50 3	2.70 3	2.90 3	3.70 3	4.70 3	5.20 3	5.10 3	12.00 6
1965	1.80 1	1.80 1	2.00 1	2.30 1	2.60 1	3.40 2	4.00 2	4.90 2	7.20 1
1966	4.60 10	4.80 10	5.60 11	6.40 11	6.70 10	9.90 12	11.00 10	14.00 9	17.00 7
1967	2.30 2	2.50 2	2.60 2	2.80 2	2.90 2	3.30 1	3.40 1	4.00 1	9.90 5
1968	3.20 4	3.40 4	3.50 4	3.50 4	3.90 4	5.00 4	8.80 7	13.00 7	17.00 8
1969	7.50 16	7.80 15	7.90 14	8.30 13	8.80 13	9.50 11	17.00 13	27.00 14	52.00 15
1970	8.20 17	8.30 17	8.70 17	13.00 21	23.00 24	57.00 27	84.00 27	90.00 27	110.00 26
1971	5.00 11	5.10 11	5.40 10	5.60 10	6.70 11	8.10 9	11.00 8	13.00 8	19.00 9
1972	7.30 15	7.40 14	8.00 15	9.40 14	16.00 18	20.00 17	24.00 16	27.00 15	58.00 17
1973	12.00 23	13.00 24	13.00 23	15.00 23	16.00 19	25.00 18	41.00 21	62.00 23	79.00 22
1974	13.00 25	14.00 25	15.00 25	20.00 26	32.00 27	47.00 26	55.00 25	64.00 24	95.00 24
1975	12.00 24	12.00 23	13.00 24	16.00 24	16.00 20	27.00 20	31.00 18	32.00 17	65.00 19
1976	11.00 22	11.00 22	12.00 21	13.00 22	14.00 17	17.00 14	21.00 14	35.00 18	43.00 13
1977	3.90 7	3.90 7	4.00 7	4.20 6	4.40 5	5.00 5	5.50 4	6.30 4	9.80 4
1978	5.50 12	5.70 12	6.20 12	9.60 15	30.00 26	42.00 25	48.00 22	55.00 21	69.00 20
1979	10.00 20	10.00 20	10.00 18	11.00 18	12.00 15	17.00 15	51.00 24	62.00 22	84.00 23
1980	18.00 26	18.00 26	19.00 26	20.00 25	22.00 23	34.00 23	58.00 26	87.00 26	100.00 25
1981	3.30 5	3.60 5	3.80 5	4.10 5	4.90 6	6.00 6	6.60 5	7.50 5	8.50 2
1982	11.00 21	11.00 21	12.00 22	13.00 19	20.00 22	30.00 22	37.00 19	38.00 19	75.00 21
1983	6.00 13	6.20 13	6.40 13	7.30 12	8.70 12	9.30 10	11.00 9	24.00 13	57.00 16
1984	3.60 6	3.70 6	3.90 6	4.80 9	5.20 7	7.00 7	12.00 11	20.00 11	41.00 12
1985	7.30 14	8.20 16	11.00 20	13.00 20	19.00 21	29.00 21	37.00 20	42.00 20	61.00 18

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	3830.00 9	2250.00 11	1310.00 10	919.00 9	544.00 15	370.00 18	288.00 18	253.00 17	193.00 19
1959	5030.00 6	2380.00 10	1180.00 11	663.00 17	622.00 12	439.00 13	348.00 13	298.00 13	239.00 11
1960	2490.00 18	1420.00 21	811.00 25	465.00 26	322.00 25	224.00 26	199.00 26	180.00 26	159.00 26
1961	2830.00 16	2080.00 12	1080.00 17	835.00 12	637.00 10	461.00 9	364.00 11	299.00 12	207.00 16
1962	6430.00 3	3860.00 3	1820.00 3	1020.00 7	619.00 13	487.00 8	400.00 7	327.00 8	261.00 9
1963	4570.00 7	3230.00 4	1600.00 5	902.00 10	654.00 9	447.00 11	320.00 15	247.00 18	174.00 23
1964	7650.00 1	4210.00 2	2170.00 2	1220.00 4	739.00 4	622.00 2	440.00 3	344.00 6	236.00 13
1965	2300.00 21	1250.00 24	1010.00 22	628.00 19	466.00 20	341.00 19	298.00 17	265.00 15	189.00 21
1966	540.00 28	373.00 28	282.00 28	223.00 28	153.00 28	98.00 28	88.00 28	81.00 28	68.00 28
1967	2160.00 22	1760.00 17	1060.00 20	582.00 23	322.00 26	244.00 25	200.00 25	201.00 23	191.00 20
1968	5690.00 4	3170.00 5	1590.00 6	1060.00 6	733.00 5	512.00 5	413.00 5	339.00 7	325.00 4
1969	3410.00 11	2600.00 7	1530.00 9	1010.00 8	703.00 7	460.00 10	349.00 12	309.00 11	241.00 10
1970	2490.00 19	1890.00 14	1090.00 15	590.00 22	415.00 22	340.00 20	252.00 21	232.00 20	211.00 15
1971	2570.00 17	1330.00 23	1070.00 18	651.00 18	429.00 21	297.00 22	210.00 24	196.00 24	166.00 24
1972	3000.00 14	1820.00 16	1070.00 19	755.00 15	552.00 14	315.00 21	257.00 20	212.00 22	214.00 14
1973	3220.00 12	1940.00 13	1030.00 21	773.00 13	528.00 16	442.00 12	367.00 10	326.00 9	336.00 3
1974	5210.00 5	2470.00 8	1570.00 7	1130.00 5	718.00 6	566.00 3	495.00 1	454.00 1	465.00 1
1975	3130.00 13	1870.00 15	1090.00 16	600.00 21	469.00 18	402.00 14	385.00 8	375.00 3	313.00 5

## 03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1976	3440.00	10	1690.00	18	1100.00	14	846.00	11	628.00	11	400.00	15	307.00	16	262.00	16	183.00	22
1977	1150.00	27	617.00	27	448.00	27	296.00	27	195.00	27	160.00	27	132.00	27	109.00	27	97.00	27
1978	2910.00	15	2420.00	9	1650.00	4	1320.00	2	817.00	2	490.00	7	434.00	4	347.00	5	313.00	6
1979	4350.00	8	2640.00	6	1570.00	8	1280.00	3	746.00	3	525.00	4	381.00	9	321.00	10	307.00	7
1980	1430.00	26	1000.00	25	621.00	26	576.00	24	477.00	17	377.00	17	275.00	19	243.00	19	203.00	17
1981	1550.00	25	963.00	26	815.00	24	619.00	20	400.00	23	268.00	23	244.00	22	215.00	21	159.00	25
1982	1950.00	24	1360.00	22	1170.00	12	741.00	16	680.00	8	506.00	6	409.00	6	358.00	4	307.00	8
1983	2100.00	23	1490.00	20	994.00	23	537.00	25	396.00	24	258.00	24	213.00	23	189.00	25	197.00	18
1984	2440.00	20	1520.00	19	1110.00	13	761.00	14	467.00	19	380.00	16	333.00	14	274.00	14	238.00	12
1985	6910.00	2	5130.00	1	2610.00	1	1490.00	1	945.00	1	627.00	1	458.00	2	399.00	2	338.00	2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1959	196.00	23
1960	97.00	7
1961	78.00	3
1962	193.00	22
1963	111.00	10
1964	86.00	6
1965	112.00	11
1966	81.00	4
1967	86.00	5
1968	150.00	14
1969	169.00	17
1970	163.00	16
1971	103.00	9
1972	98.00	8
1973	232.00	25
1974	234.00	26
1975	237.00	27
1976	153.00	15
1977	52.00	2
1978	175.00	18
1979	189.00	20
1980	179.00	19
1981	48.00	1
1982	192.00	21
1983	125.00	12
1984	146.00	13
1985	204.00	24

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	176.00	9
1959	137.00	14
1960	102.00	23
1961	112.00	20
1962	167.00	10
1963	102.00	21
1964	121.00	17
1965	101.00	24
1966	38.00	28
1967	102.00	22
1968	186.00	6
1969	158.00	11
1970	148.00	12
1971	98.00	25
1972	133.00	15
1973	218.00	2
1974	292.00	1
1975	182.00	7
1976	119.00	18
1977	57.00	27
1978	216.00	3
1979	207.00	4
1980	121.00	16
1981	88.00	26
1982	179.00	8
1983	115.00	19
1984	142.00	13
1985	192.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	*	*	*	*	*	*	*	*	*	*	76.10	16.20
1958	50.30	186.00	514.00	104.00	45.60	68.20	66.20	152.00	308.00	282.00	250.00	66.60
1959	32.40	177.00	74.00	339.00	407.00	216.00	193.00	121.00	54.00	17.00	33.90	5.60
1960	20.30	48.90	95.40	154.00	278.00	146.00	96.70	79.90	203.00	89.00	14.20	8.70
1961	6.11	8.30	8.75	14.30	31.20	368.00	375.00	328.00	99.40	21.90	38.30	36.90
1962	30.70	120.00	92.30	591.00	193.00	391.00	81.60	152.00	45.80	243.00	15.00	33.10
1963	67.00	30.40	16.60	24.40	27.60	582.00	273.00	82.60	20.00	42.20	37.50	5.88
1964	4.94	5.89	4.93	27.80	26.20	494.00	730.00	79.10	55.20	14.40	4.40	3.35
1965	4.50	7.53	9.47	47.20	195.00	217.00	463.00	129.00	91.90	30.60	7.60	26.50
1966	13.40	8.44	18.40	57.10	78.90	56.00	97.60	88.70	28.20	11.60	3.20	3.77
1967	3.13	13.70	311.00	106.00	135.00	223.00	134.00	230.00	21.80	21.20	18.00	4.16
1968	13.10	22.50	710.00	245.00	263.00	116.00	226.00	373.00	153.00	25.20	72.70	10.80
1969	8.75	91.50	229.00	521.00	250.00	74.80	260.00	77.70	95.40	144.00	74.10	73.80
1970	312.00	331.00	97.80	124.00	174.00	193.00	319.00	130.00	57.60	17.90	12.60	7.97
1971	13.60	38.60	30.40	28.80	437.00	172.00	43.90	76.00	217.00	83.00	36.20	30.70
1972	23.60	16.30	370.00	129.00	66.10	82.10	545.00	81.80	133.00	68.20	31.00	53.70
1973	107.00	495.00	382.00	216.00	178.00	496.00	249.00	66.40	185.00	142.00	65.10	34.00
1974	92.70	321.00	420.00	616.00	217.00	392.00	280.00	540.00	496.00	41.90	33.10	41.90
1975	19.70	68.10	193.00	382.00	430.00	342.00	352.00	192.00	60.90	53.00	76.00	28.30
1976	15.90	30.10	142.00	142.00	509.00	250.00	43.50	19.50	115.00	97.10	73.50	6.95
1977	7.99	7.44	5.50	4.69	63.20	177.00	113.00	59.60	39.70	67.80	104.00	30.80
1978	292.00	75.60	478.00	86.10	36.30	683.00	220.00	354.00	72.60	57.40	159.00	52.20
1979	13.00	155.00	185.00	157.00	309.00	538.00	268.00	70.80	53.50	430.00	268.00	37.10
1980	34.20	162.00	159.00	88.80	144.00	421.00	242.00	52.40	117.00	19.90	11.10	7.35
1981	5.98	7.27	11.10	8.73	67.00	28.60	94.00	390.00	108.00	213.00	78.80	35.70
1982	42.80	38.60	95.00	318.00	453.00	443.00	171.00	255.00	171.00	78.10	87.70	10.80
1983	8.97	24.10	381.00	71.40	122.00	111.00	241.00	253.00	98.40	45.60	18.40	5.45
1984	32.20	66.90	284.00	44.10	248.00	419.00	319.00	102.00	48.20	57.30	29.20	53.80
1985	78.80	318.00	221.00	173.00	694.00	395.00	253.00	108.00	56.10	14.00	26.80	11.30

03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
8.80	14.30	21.40	44.90	66.30	124.00
FIFTIETH PERCENTILE					
20.00	43.70	151.00	115.00	186.00	237.00
SEVENTY FIFTH PERCENTILE					
48.40	160.00	355.00	238.00	301.00	421.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
101.00	78.00	53.60	21.40	16.50	7.15
FIFTIETH PERCENTILE					
242.00	115.00	93.60	55.10	36.20	26.50
SEVENTY FIFTH PERCENTILE					
309.00	247.00	148.00	95.10	76.00	37.00

## 03340900 BIG RACCOON CREEK AT FERNDAL, IN

LOCATION.--Lat 39°41'44", long 87°05'01", in SE¼SW¼ sec.33, T.15 N., R.6 W., Parke County, Hydrologic Unit 05120108, on right bank 1.1 mi southwest of Ferndale, 1.8 mi northeast of Mansfield, 2.0 mi upstream from Rocky Fork Creek, 2.2 mi downstream from Cecil M. Harden Lake, and at mile 31.6.

DRAINAGE AREA.--222 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1956 to September 1985. Prior to October 1963, published as Raccoon Creek at Ferndale.

GAGE.--No gage at present time. Datum of gage is 582.36 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1974, water-stage recorder at site described in "LOCATION" paragraph.

REMARKS.--Flow regulated by Cecil M. Harden Lake. Daily discharge computed from relation between discharge, head, and gate openings for Cecil M. Harden Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--29 years, 231 ft<sup>3</sup>/s, 14.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,500 ft<sup>3</sup>/s June 28, 1957, gage height, 19.87 ft, from rating curve extended above 5,000 ft<sup>3</sup>/s on basis of records for station at Big Raccoon Creek at Mansfield; minimum daily, 2.7 ft<sup>3</sup>/s Oct. 11, 1956; no flow Aug. 23, 24, 1977, due to regulation.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1957		7	7	7	2	1	1	14	14	14	13	15	15	14	14	35	33	31	22	20	13	15	14	11	11	6	6	4	1	2	1			1	1
1958									15	1	3	2	16	34	54	54	37	26	27	20	17	18	8	10	6	6	4	1	3	1	1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	730	100.00	12	43.0	31	614	84.11	24	870.0	17	56	7.67
1	2.7	7	730	100.00	13	55.0	48	583	79.86	25	1100.0	12	39	5.34
2	3.5	7	723	99.04	14	71.0	68	535	73.29	26	1400.0	10	27	3.70
3	4.5	7	716	98.08	15	91.0	89	467	63.97	27	1800.0	5	17	2.33
4	5.7	2	709	97.12	16	120.0	70	378	51.78	28	2400.0	4	12	1.64
5	7.4	1	707	96.85	17	150.0	57	308	42.19	29	3000.0	3	8	1.10
6	9.5	1	706	96.71	18	190.0	49	251	34.38	30	3900.0	2	5	0.68
7	12.0	14	705	96.58	19	250.0	40	202	27.67	31	5000.0	1	3	0.41
8	16.0	29	691	94.66	20	320.0	30	162	22.19	32	6500.0	0	2	0.27
9	20.0	15	662	90.68	21	410.0	33	132	18.08	33	8300.0	1	2	0.27
10	26.0	16	647	88.63	22	530.0	22	99	13.56	34	11000.0	1	1	0.14
11	33.0	17	631	86.44	23	680.0	21	77	10.55					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	15.4
P90 =	22.0
P75 =	67.0
P70 =	78.1
P50 =	126.0
P25 =	285.0
P10 =	716.0

## LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1958	17.00 1	17.00 1	17.00 1	17.00 1	22.00 1	50.00 1	64.00 1	85.00 1	252.00 1

## HIGHEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1957	22600.00 1	12000.00 1	5560.00 1	2880.00 1	1760.00 1	1300.00 1	1100.00 1	916.00 1	693.00 1
1958	6080.00 2	3800.00 2	2200.00 2	1560.00 2	907.00 2	600.00 2	476.00 2	418.00 2	321.00 2

03340900 BIG RACCOON CREEK AT FERNDAL, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN VALUE AND RANKING  
IN YEAR ENDING MARCH 31

1958 448.00 1

ANNUAL MEAN VALUE AND RANKING  
IN YEAR ENDING SEPTEMBER 301957 383.00 1  
1958 292.00 2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	7.77	25.80	165.00	215.00	286.00	150.00	866.00	763.00	1636.0	353.00	118.00	32.50
1958	78.70	278.00	854.00	193.00	85.20	118.00	113.00	248.00	517.00	467.00	403.00	128.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
NUMBER OF DAYS IN CLASS																																						
1962											6	2	105		7	9	41	36	12	11	22	20	11	11	21	5	4	2	7	23		6	4					
1963									13	25	23	109	67	14	1	11	8	6	5	7	22	12	5	3	7	7	1	2	3	8	2		3	1				
1964		15	9	12		2		2	3	2	5	85	44	5	5	24	17	8	8	16	53	7	5		2	3	1	2	4	23		1			3			
1965						7	18	15	12	19	2	7	50	18	16	33	12	16	13	21	64	10	6	2	4	9		4	2	1	1		3					
1966					7	110	40	17	16	19	8	15	9	15	11	8	8	5	13	4	41	5	5	2	2	2	2	1										
1967					10	5	70	14	18	6	17	4	11	8	40	23	21	4	33	32	9	4	3	3	5	3	9	1	2	4	4	2						
1968							24	20	21	8	2	8	3	20	31	39	8	5	12	59	27	9	11	6	1	8	3	10	9	4	2	14	1	1				
1969								5	71	25	4	19		16	10	31	18	10	14	60	13	19	9	6	5	2	2	4	1	2	3	16						
1970						8	2	2	74	7	16	7	4	20	14	15	20	29	15	24	28	12	7	8	9	7	4	18	13	2								
1971						7	36	41	19	33	16	20	16	6	7	16	17	10	1	34	38	24	4	2	2	3		2	2	3	1	5						
1972						5	2	6	39	5	9	6	10	32	15	20	36	25	19	49	19	20	13	9	4	8	3	2	4	1		5						
1973								7	27	4	7	1	6	5	9	40	50	17	11	10	19	26	7	45	11	11	22	10	3	6	2	8	1					
1974	1								4	44	5	1	6	11	7	34	30	25	14	15	5	37	17	14	8	6	37	11	12	11	8	2						
1975								27	7	9	15	5	12	23	45	31	17	15	12	17	7	13	28	13	16	11	31	7	4									
1976										61	1	95	4	22	19	10	5	18	30	6	7	8	23	28	14	5	1	9										
1977	2					75	21	24	77	4	1	46	2	2	26	13	2	3	2	2	10	18	16	15	1	2	1											
1978								24	2			49	30	17	51	10	14	12	2	6	13	8	5	11	18	9	23	28	27	6								
1979						1			7	5	1	18	20	26	52	27	31	15	9	2	7	6	21	20	11	10	33	12	24	7								
1980								1	83	2	1	43	14	2	21	5	28	27	19	8	10	5	6	15	20	37	17		2									
1981						1	106	25	19	17		31	17	1	14		7	33	17	25	4	2	3	6	7	9	12	7	2									
1982								48	14	5	31	7	10	27	18	10	25	16	3	8	8	18	31	14	11	13	19	12	17									
1983						2	24	96	8	1	10	1	3	28	4	21	45	7	2	35	18	5	6	6	7	5	16	12	3									
1984								64	4	4	33	19	9	50	6	18	17	5	13	8	11	15	18	31	16	10	11	4										
1985						1	25		2	1	16	52	13	11	43	13	22	13	5	4	13	8	9	9	22	25	23	15	2	18								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	2	8766	100.00	12	46.0	768	6481	73.93	24	390.0	319	1606	18.32
1	6.5	1	8764	99.98	13	55.0	235	5713	65.17	25	470.0	234	1287	14.68
2	7.8	15	8763	99.97	14	66.0	268	5478	62.49	26	560.0	205	1053	12.01
3	9.3	9	8748	99.79	15	79.0	576	5210	59.43	27	670.0	209	848	9.67
4	11.0	19	8739	99.69	16	94.0	428	4634	52.86	28	800.0	248	639	7.29
5	13.0	130	8720	99.48	17	110.0	464	4206	47.98	29	960.0	192	391	4.46
6	16.0	185	8590	97.99	18	130.0	406	3742	42.69	30	1100.0	92	199	2.27
7	19.0	297	8405	95.88	19	160.0	316	3336	38.06	31	1400.0	30	107	1.22
8	23.0	213	8108	92.49	20	190.0	567	3020	34.45	32	1600.0	68	77	0.88
9	27.0	781	7895	90.06	21	230.0	354	2453	27.98	33	2000.0	5	9	0.10
10	32.0	261	7114	81.15	22	280.0	250	2099	23.94	34	2300.0	4	4	0.05
11	39.0	372	6853	78.18	23	330.0	243	1849	21.09					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 20.0  
 P90 = 27.0  
 P75 = 44.3  
 P70 = 50.0  
 P50 = 103.0  
 P25 = 267.0  
 P10 = 654.0

## 03340900 BIG RACCOON CREEK AT FERNDAL, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	25.00 18	25.00 16	26.00 14	27.00 15	34.00 16	40.00 12	43.00 10	79.00 13	144.00 14
1964	8.80 3	8.80 1	8.80 1	8.80 1	9.50 1	37.00 10	41.00 9	44.00 5	67.00 3
1965	13.00 5	13.00 4	14.00 3	19.00 7	23.00 10	42.00 13	46.00 13	53.00 7	99.00 9
1966	15.00 6	17.00 5	18.00 5	18.00 4	22.00 8	37.00 11	45.00 12	86.00 14	113.00 10
1967	11.00 4	11.00 3	12.00 2	13.00 2	14.00 2	15.00 1	15.00 1	15.00 1	16.00 1
1968	19.00 13	19.00 9	19.00 8	19.00 5	19.00 4	29.00 7	38.00 8	57.00 8	79.00 4
1969	20.00 14	21.00 13	21.00 11	22.00 10	22.00 9	56.00 17	112.00 20	133.00 18	162.00 17
1970	23.00 17	24.00 15	27.00 15	28.00 16	30.00 15	31.00 9	33.00 6	67.00 9	125.00 11
1971	18.00 10	18.00 7	18.00 6	24.00 12	29.00 14	30.00 8	35.00 7	74.00 12	94.00 8
1972	18.00 11	19.00 10	19.00 7	19.00 6	20.00 5	24.00 4	26.00 3	31.00 3	79.00 5
1973	17.00 7	18.00 8	22.00 12	24.00 13	49.00 21	53.00 16	99.00 19	113.00 16	151.00 15
1974	26.00 19	28.00 23	28.00 21	34.00 21	44.00 19	90.00 21	135.00 22	174.00 21	209.00 20
1975	6.50 2	27.00 17	41.00 23	41.00 22	42.00 17	70.00 19	86.00 17	159.00 20	235.00 22
1976	27.00 20	27.00 18	27.00 16	29.00 20	58.00 22	69.00 18	85.00 16	92.00 15	157.00 16
1977	17.00 8	17.00 6	17.00 4	17.00 3	17.00 3	17.00 2	18.00 2	25.00 2	63.00 2
1978	0.00 1	9.00 2	27.00 17	27.00 14	27.00 12	51.00 15	44.00 11	69.00 10	80.00 6
1979	18.00 12	28.00 19	28.00 18	28.00 17	46.00 20	80.00 20	97.00 18	121.00 17	209.00 21
1980	28.00 23	28.00 20	35.00 22	41.00 23	70.00 23	91.00 22	158.00 23	221.00 23	297.00 23
1981	17.00 9	20.00 11	20.00 9	20.00 8	22.00 6	22.00 3	31.00 5	46.00 6	82.00 7
1982	20.00 15	20.00 12	21.00 10	21.00 9	22.00 7	25.00 5	74.00 15	144.00 19	163.00 18
1983	22.00 16	22.00 14	23.00 13	23.00 11	24.00 11	94.00 23	133.00 21	175.00 22	209.00 19
1984	27.00 21	28.00 21	28.00 19	28.00 18	28.00 13	28.00 6	28.00 4	44.00 4	131.00 13
1985	28.00 22	28.00 22	28.00 20	28.00 19	43.00 18	48.00 14	56.00 14	70.00 11	127.00 12

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	1720.00 9	1670.00 9	1570.00 5	1100.00 7	631.00 15	531.00 12	458.00 11	394.00 10	353.00 11
1963	2000.00 5	1650.00 10	1500.00 8	1140.00 4	786.00 6	431.00 19	303.00 19	239.00 21	218.00 20
1964	2350.00 1	2320.00 1	1350.00 10	959.00 15	777.00 7	553.00 11	503.00 9	392.00 11	278.00 16
1965	1800.00 8	1740.00 7	979.00 18	669.00 20	491.00 21	314.00 22	250.00 22	240.00 20	186.00 21
1966	775.00 23	667.00 23	416.00 24	254.00 24	233.00 24	214.00 24	163.00 24	146.00 24	133.00 23
1967	1650.00 11	1620.00 11	1560.00 6	1040.00 9	571.00 17	436.00 16	347.00 17	310.00 17	260.00 17
1968	2340.00 2	2060.00 2	1730.00 3	1520.00 2	869.00 4	733.00 3	615.00 2	517.00 3	400.00 6
1969	1860.00 6	1840.00 5	1820.00 1	1780.00 1	1100.00 1	700.00 5	511.00 8	459.00 7	356.00 10
1970	1250.00 15	1150.00 17	1020.00 17	862.00 16	770.00 9	656.00 7	494.00 10	426.00 9	358.00 9
1971	1700.00 10	1670.00 8	1480.00 9	1010.00 11	677.00 13	433.00 17	305.00 18	251.00 19	240.00 19
1972	1800.00 7	1770.00 6	1560.00 7	971.00 14	670.00 14	432.00 18	357.00 16	320.00 16	253.00 18
1973	2040.00 3	1900.00 3	1640.00 4	1110.00 5	937.00 3	737.00 2	615.00 3	551.00 2	431.00 4
1974	2020.00 4	1890.00 4	1730.00 2	1500.00 3	1040.00 2	858.00 1	773.00 1	670.00 1	548.00 1
1975	1230.00 17	1220.00 16	1080.00 15	815.00 17	682.00 12	603.00 9	527.00 7	486.00 6	431.00 5
1976	943.00 22	941.00 20	932.00 19	739.00 18	535.00 19	359.00 21	301.00 20	269.00 18	288.00 15
1977	679.00 24	482.00 24	442.00 23	420.00 23	381.00 23	291.00 23	202.00 23	155.00 23	109.00 24
1978	1310.00 14	1270.00 13	1100.00 14	1010.00 12	829.00 5	708.00 4	565.00 4	488.00 5	392.00 8
1979	1240.00 16	1230.00 15	1140.00 12	1100.00 6	746.00 10	600.00 10	442.00 12	355.00 13	398.00 7
1980	980.00 20	859.00 22	756.00 21	599.00 22	564.00 18	467.00 15	402.00 14	340.00 15	352.00 12
1981	975.00 21	929.00 21	708.00 22	669.00 21	464.00 22	378.00 20	272.00 21	235.00 22	163.00 22
1982	1340.00 12	1260.00 14	1140.00 13	1040.00 10	774.00 8	638.00 8	541.00 6	499.00 4	432.00 3
1983	1150.00 18	1080.00 18	1030.00 16	972.00 13	577.00 16	494.00 14	420.00 13	392.00 12	291.00 14
1984	1000.00 19	956.00 19	854.00 20	686.00 19	519.00 20	495.00 13	380.00 15	351.00 14	335.00 13
1985	1310.00 13	1300.00 12	1280.00 11	1060.00 8	730.00 11	682.00 6	549.00 5	453.00 8	490.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	208.00 10
1964	136.00 5
1965	201.00 8
1966	123.00 3
1967	129.00 4
1968	244.00 14
1969	265.00 16
1970	242.00 13
1971	168.00 7
1972	166.00 6
1973	286.00 18
1974	384.00 23
1975	376.00 22

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	265.00 9
1963	149.00 21
1964	188.00 16
1965	150.00 20
1966	75.00 24
1967	166.00 18
1968	286.00 8
1969	241.00 10
1970	227.00 11
1971	160.00 19
1972	202.00 15
1973	328.00 3
1974	428.00 1



## 03340900 BIG RACCOON CREEK AT FERNDAL, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	217.00	12
1977	94.00	1
1978	211.00	11
1979	308.00	20
1980	335.00	21
1981	119.00	2
1982	255.00	15
1983	283.00	17
1984	203.00	9
1985	296.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	296.00	7
1976	176.00	17
1977	95.00	23
1978	329.00	2
1979	325.00	4
1980	217.00	13
1981	144.00	22
1982	310.00	5
1983	212.00	14
1984	226.00	12
1985	300.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1962	268.00	359.00	150.00	200.00	666.00	204.00	490.00	49.00	49.30	382.00	109.00	292.00
1963	278.00	231.00	39.80	44.30	45.80	482.00	363.00	47.90	42.70	43.20	46.50	119.00
1964	202.00	215.00	9.90	64.60	48.70	426.00	296.00	751.00	56.30	41.80	43.20	91.40
1965	187.00	207.00	22.90	96.20	308.00	315.00	86.30	185.00	129.00	52.30	28.60	202.00
1966	228.00	197.00	41.20	108.00	143.00	87.40	21.30	17.50	14.30	16.00	14.80	15.20
1967	95.60	231.00	349.00	375.00	230.00	174.00	133.00	105.00	38.70	24.50	62.60	174.00
1968	216.00	228.00	554.00	645.00	587.00	173.00	51.30	61.50	585.00	65.10	92.10	195.00
1969	197.00	300.00	136.00	301.00	1160.0	127.00	36.20	31.70	30.60	181.00	87.90	386.00
1970	457.00	669.00	335.00	143.00	322.00	239.00	40.00	194.00	94.60	31.10	29.30	178.00
1971	225.00	255.00	57.50	50.30	254.00	606.00	21.80	26.50	30.20	60.50	93.80	241.00
1972	229.00	214.00	600.00	217.00	113.00	136.00	184.00	147.00	223.00	82.70	48.80	224.00
1973	364.00	521.00	721.00	558.00	286.00	75.40	294.00	393.00	253.00	268.00	114.00	74.60
1974	296.00	358.00	628.00	632.00	1054.0	290.00	283.00	235.00	716.00	535.00	55.90	99.20
1975	267.00	487.00	323.00	467.00	495.00	568.00	79.20	469.00	108.00	73.30	110.00	107.00
1976	214.00	381.00	213.00	207.00	162.00	466.00	137.00	35.60	34.10	90.70	120.00	48.20
1977	190.00	358.00	49.50	17.00	18.10	23.00	27.30	73.50	28.30	140.00	119.00	86.80
1978	549.00	538.00	304.00	521.00	56.40	69.10	598.00	716.00	163.00	105.00	82.60	223.00
1979	240.00	518.00	231.00	272.00	72.80	457.00	548.00	162.00	79.30	291.00	422.00	592.00
1980	268.00	535.00	325.00	211.00	238.00	355.00	343.00	46.30	194.00	27.90	35.20	31.40
1981	350.00	213.00	24.70	22.00	82.40	60.40	23.50	27.70	178.00	347.00	267.00	130.00
1982	267.00	426.00	154.00	271.00	414.00	558.00	655.00	160.00	419.00	186.00	172.00	60.70
1983	334.00	284.00	349.00	550.00	207.00	25.40	56.20	417.00	179.00	75.50	28.00	28.00
1984	199.00	460.00	429.00	73.60	423.00	76.50	493.00	259.00	87.20	63.20	50.10	117.00
1985	262.00	498.00	647.00	321.00	98.00	642.00	654.00	178.00	124.00	35.90	37.00	92.50

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
205.00	229.00	51.50	79.20	86.30	79.20
FIFTIETH PERCENTILE					
251.00	358.00	268.00	214.00	234.00	222.00
SEVENTY FIFTH PERCENTILE					
292.00	495.00	409.00	444.00	421.00	464.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
42.80	46.70	39.70	42.10	38.50	77.60
FIFTIETH PERCENTILE					
161.00	154.00	101.00	74.40	72.60	118.00
SEVENTY FIFTH PERCENTILE					
458.00	253.00	190.00	185.00	113.00	218.00

## 03341000 BIG RACCOON CREEK AT MANSFIELD, IN

LOCATION.--Lat 39°40'30", long 87°05'50", in NW¼ sec.8, T.14 N., R.6 W., Parke County, Hydrologic Unit 05120108, on left bank attached to downstream wingwall of county road bridge, at east edge of Mansfield, approximately 350 ft below concrete dam at Reeves Mill, and at mile 28.7

DRAINAGE AREA.--248 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1939 to September 1958 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 564.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Low flows regulated by mill operating above station.

AVERAGE DISCHARGE.--19 years, 226 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 ft<sup>3</sup>/s June 28, 1957, gage height, 21.54 ft; minimum, about 1.0 ft<sup>3</sup>/s Jan. 11, 1945 (regulated).

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1940			10	15	27	28	14	11	18	40	40	13	6	8	17	15	17	24	21	10	10	10	1	4	2	2	3									
1941					1	7	14	14	25	74	20	25	48	45	33	15	17	4	6	4	3	3	2	3		1		1								
1942								1		11	18	26	9	23	40	32	30	41	25	29	28	18	8	5	5	7	3	2	2	1	1					
1943								2	8	34	15	23	12	10	17	34	53	43	33	21	15	11	5	9	4	8	1	1	1	1	1	1	1	1		
1944		2	5	1	3	14	21	20	35	22	31	58	17	8	11	8	9	14	25	22	11	5	5	8	2	2	1	1	1	1	3					
1945		1		2	3	2	10	12	29	62	25	23	14	18	12	11	19	23	20	23	13	10	5	7	4	3	5	3	2	1	3					
1946						1	1	14	10	10	16	8	25	29	29	33	36	33	26	29	19	15	11	5	8	3	3		1							
1947			1	1	7	3	3	8	15	26	34	21	38	23	27	32	23	36	26	14	6	8	3	2	2	3	2	1								
1948					1	11	13	26	29	50	63	22	14	21	22	14	13	13	17	10	6	6	2	4	3	3	1	2								
1949					2	11	22	7	6	11	21	25	25	28	24	19	41	35	24	16	9	15	7	6	1	1	4	2	1	1	1	1				
1950					1	1		1	1	7	17	11	26	21	26	31	26	19	27	26	32	35	13	11	8	5	4	2	7	5	1			1		
1951											17	13	14	10	16	31	39	40	37	40	27	27	19	12	6	6	4	3	3	1						
1952								3	21	21	22	15	14	24	32	28	43	35	19	26	14	15	14	5	5	3	2	2	2	1						
1953			1	4	7	6	5	14	37	17	10	16	9	21	29	55	40	21	23	20	10	8	4	2	2	2	1	1								
1954			9	15	12	13	7	18	46	51	29	17	11	20	25	21	26	18	9	9	5	2	2													
1955			24	16	4	4	1	3	8	19	36	35	10	15	26	25	25	21	21	32	19	11	2	6			1	1								
1956				2	6	3	3	3	10	10	25	25	31	35	31	26	32	33	23	22	16	7	7	7	1	2	1	3		2						
1957			3	6	7	5	2	2	11	16	17	10	17	23	16	17	53	30	24	21	19	18	13	11	9	4	5	2	1	1					2	
1958										6	9	2	3	16	31	47	73	45	40	29	15	14	10	11	5	2	1	3		2	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6940	100.00	12	30.0	337	5010	72.19	24	820.0	90	326	4.70
1	1.4	3	6940	100.00	13	39.0	391	4673	67.33	25	1100.0	72	236	3.40
2	1.9	48	6937	99.96	14	51.0	454	4282	61.70	26	1400.0	46	164	2.36
3	2.4	53	6889	99.27	15	68.0	447	3828	55.16	27	1900.0	39	118	1.70
4	3.2	63	6836	98.50	16	89.0	539	3381	48.72	28	2500.0	29	79	1.14
5	4.2	92	6773	97.59	17	120.0	626	2842	40.95	29	3300.0	19	50	0.72
6	5.6	101	6681	96.27	18	160.0	485	2216	31.93	30	4300.0	22	31	0.45
7	7.4	118	6580	94.81	19	210.0	445	1731	24.94	31	5700.0	4	9	0.13
8	9.7	227	6462	93.11	20	270.0	359	1286	18.53	32	7500.0	1	5	0.07
9	13.0	430	6235	89.84	21	360.0	262	927	13.36	33	9900.0	1	4	0.06
10	17.0	370	5805	83.65	22	470.0	192	665	9.58	34	13000.0	3	3	0.04
11	22.0	425	5435	78.31	23	620.0	147	473	6.82					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 7.2  
P90 = 12.8  
P75 = 26.3  
P70 = 34.1  
P50 = 84.8  
P25 = 210.0  
P10 = 458.0

## 03341000 BIG RACCOON CREEK AT MANSFIELD, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	2.30 5	2.40 4	2.50 3	3.10 3	3.80 3	4.40 1	5.10 1	6.10 1	12.00 2
1942	8.50 11	11.00 12	13.00 14	13.00 10	13.00 10	16.00 10	17.00 6	28.00 8	60.00 11
1943	8.50 12	11.00 13	12.00 11	13.00 11	14.00 11	21.00 12	29.00 13	43.00 14	91.00 14
1944	8.00 9	9.20 9	11.00 9	11.00 9	11.00 9	15.00 9	19.00 7	22.00 6	24.00 5
1945	1.40 1	2.50 5	3.90 6	4.30 6	5.50 6	6.10 3	7.30 2	8.10 2	10.00 1
1946	10.00 14	10.00 11	13.00 12	15.00 14	19.00 15	34.00 16	53.00 16	80.00 16	101.00 15
1947	4.10 7	5.70 7	6.30 7	7.20 7	9.40 8	14.00 8	19.00 8	26.00 7	47.00 6
1948	13.00 15	15.00 16	16.00 16	17.00 16	23.00 16	29.00 15	33.00 14	46.00 15	48.00 7
1949	8.00 10	9.70 10	11.00 10	14.00 12	15.00 13	26.00 14	37.00 15	41.00 13	76.00 13
1950	4.20 8	6.00 8	6.60 8	7.30 8	7.50 7	11.00 7	25.00 10	39.00 11	60.00 12
1951	18.00 17	20.00 17	21.00 17	24.00 18	27.00 17	99.00 18	171.00 18	158.00 18	295.00 18
1952	14.00 16	14.00 15	15.00 15	16.00 15	17.00 14	21.00 13	27.00 11	41.00 12	107.00 16
1953	8.60 13	12.00 14	13.00 13	14.00 13	14.00 12	18.00 11	27.00 12	30.00 9	48.00 8
1954	2.00 2	2.00 1	3.00 4	3.80 4	4.70 4	6.70 4	9.40 4	11.00 3	17.00 3
1955	2.10 3	2.20 2	2.20 1	2.30 1	2.60 1	5.60 2	8.50 3	14.00 4	18.00 4
1956	2.20 4	2.20 3	2.30 2	2.50 2	2.70 2	8.20 5	23.00 9	37.00 10	55.00 10
1957	2.70 6	3.00 6	3.80 5	4.30 5	5.20 5	9.00 6	12.00 5	18.00 5	53.00 9
1958	20.00 18	20.00 18	21.00 18	22.00 17	31.00 18	58.00 17	72.00 17	93.00 17	262.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	1760.00 18	1550.00 16	1020.00 16	668.00 16	548.00 16	374.00 16	304.00 16	264.00 17	190.00 17
1941	2260.00 16	1130.00 17	600.00 18	544.00 17	323.00 18	185.00 18	169.00 18	140.00 18	105.00 18
1942	5560.00 6	2940.00 9	1770.00 9	1190.00 9	704.00 12	555.00 12	490.00 10	444.00 10	405.00 9
1943	13100.00 2	7770.00 2	4420.00 2	3340.00 1	1910.00 2	1060.00 3	781.00 3	629.00 3	485.00 3
1944	4920.00 9	3880.00 7	2110.00 8	1780.00 4	1100.00 6	743.00 6	592.00 7	475.00 9	322.00 14
1945	5430.00 7	4080.00 5	2260.00 5	1210.00 8	799.00 8	730.00 7	682.00 4	603.00 4	424.00 7
1946	4160.00 12	2510.00 12	1560.00 11	1130.00 11	744.00 11	488.00 14	430.00 13	412.00 11	397.00 10
1947	3340.00 13	2350.00 13	1330.00 14	875.00 14	625.00 14	560.00 11	487.00 11	398.00 13	347.00 13
1948	4470.00 11	3140.00 8	2550.00 4	1580.00 6	1440.00 4	871.00 5	672.00 6	536.00 6	409.00 8
1949	7260.00 4	4090.00 4	2180.00 7	1610.00 5	1250.00 5	921.00 4	682.00 5	567.00 5	425.00 6
1950	12000.00 3	7070.00 3	3790.00 3	3200.00 2	2150.00 1	1470.00 1	1140.00 2	1020.00 1	748.00 1
1951	3310.00 14	2090.00 14	1490.00 12	1150.00 10	751.00 9	571.00 9	517.00 9	504.00 8	439.00 5
1952	5110.00 8	2810.00 10	1650.00 10	1010.00 12	750.00 10	570.00 10	580.00 8	515.00 7	447.00 4
1953	2950.00 15	1790.00 15	1030.00 15	718.00 15	615.00 15	423.00 15	366.00 15	306.00 15	266.00 15
1954	610.00 19	472.00 19	315.00 19	278.00 19	241.00 19	178.00 19	147.00 19	128.00 19	97.00 19
1955	1980.00 17	1130.00 18	698.00 17	475.00 18	360.00 17	308.00 17	268.00 17	266.00 16	211.00 16
1956	4830.00 10	2630.00 11	1390.00 13	1010.00 13	667.00 13	503.00 13	395.00 14	389.00 14	364.00 11
1957	23700.00 1	13100.00 1	5970.00 1	3100.00 3	1870.00 3	1370.00 2	1160.00 1	959.00 2	726.00 2
1958	6110.00 5	3910.00 6	2210.00 6	1560.00 7	918.00 7	606.00 8	474.00 12	410.00 12	348.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	84.00 1
1942	171.00 6
1943	202.00 9
1944	249.00 12
1945	173.00 7
1946	313.00 15
1947	169.00 5
1948	253.00 13
1949	305.00 14
1950	352.00 16
1951	384.00 17
1952	241.00 11
1953	202.00 10
1954	89.00 2
1955	110.00 3
1956	143.00 4
1957	189.00 8
1958	474.00 18

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	100.00 17
1941	62.00 18
1942	242.00 7
1943	282.00 5
1944	169.00 14
1945	227.00 10
1946	242.00 8
1947	201.00 13
1948	223.00 11
1949	236.00 9
1950	509.00 1
1951	292.00 4
1952	261.00 6
1953	155.00 15
1954	54.00 19
1955	118.00 16
1956	215.00 12
1957	401.00 2
1958	305.00 3

## 03341000 BIG RACCOON CREEK AT MANSFIELD, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	8.69	14.20	17.50	50.80	77.40	197.00	397.00	319.00	100.00	9.48	5.15	4.02
1941	7.02	15.80	33.00	28.90	44.50	45.80	144.00	44.60	320.00	30.50	13.40	18.50
1942	57.10	167.00	109.00	71.70	739.00	396.00	361.00	297.00	515.00	171.00	40.50	34.90
1943	14.90	177.00	210.00	170.00	183.00	263.00	117.00	1836.0	199.00	131.00	40.00	20.10
1944	11.40	36.10	21.50	31.80	131.00	386.00	1079.0	246.00	74.30	12.80	6.52	5.89
1945	9.39	15.10	14.20	16.60	73.70	532.00	625.00	636.00	591.00	77.00	46.10	84.00
1946	148.00	141.00	261.00	376.00	430.00	354.00	105.00	726.00	228.00	83.50	44.10	12.80
1947	14.70	36.90	97.90	361.00	148.00	162.00	524.00	356.00	533.00	60.70	31.80	97.70
1948	27.30	31.70	39.50	239.00	238.00	867.00	775.00	230.00	106.00	56.70	45.70	24.70
1949	42.90	197.00	256.00	1220.0	511.00	208.00	160.00	83.40	79.60	56.10	19.20	7.59
1950	140.00	73.30	231.00	2085.0	807.00	494.00	574.00	149.00	312.00	173.00	27.10	1066.0
1951	116.00	332.00	421.00	432.00	708.00	349.00	331.00	252.00	120.00	397.00	51.10	21.80
1952	23.40	70.90	235.00	461.00	396.00	536.00	580.00	196.00	484.00	87.50	32.80	49.70
1953	14.40	33.40	99.40	151.00	122.00	583.00	243.00	249.00	115.00	204.00	24.70	11.30
1954	6.37	12.50	16.70	40.10	52.00	92.10	202.00	124.00	70.80	17.10	11.00	3.62
1955	36.80	18.90	61.50	252.00	200.00	327.00	263.00	109.00	84.30	51.40	12.30	9.36
1956	72.40	167.00	73.50	36.40	625.00	242.00	306.00	329.00	462.00	249.00	37.50	10.90
1957	8.79	21.90	165.00	210.00	302.00	178.00	890.00	776.00	1796.0	319.00	122.00	46.90
1958	84.30	275.00	857.00	242.00	120.00	160.00	163.00	259.00	496.00	451.00	395.00	129.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
9.39	18.89	33.00	40.10	88.00	178.00
FIFTIETH PERCENTILE					
23.40	36.90	99.40	210.00	192.00	327.00
SEVENTY FIFTH PERCENTILE					
72.40	167.00	235.00	376.00	491.00	494.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
163.00	149.00	100.00	51.40	13.40	9.36
FIFTIETH PERCENTILE					
331.00	252.00	228.00	83.50	32.80	20.10
SEVENTY FIFTH PERCENTILE					
580.00	356.00	496.00	204.00	45.70	49.70

## 03341200 LITTLE RACCOON CREEK NEAR CATLIN, IN

LOCATION.--Lat 39°40'38", long 87°13'38", in NE1/4 sec.7, T.14 N., R.7 W., Parke County, Hydrologic Unit 05120108, on left bank at downstream side of county road bridge, 300 ft downstream from small left-bank tributary, 0.4 mi upstream from Sunderland Branch, 1.2 mi southeast of Catlin, 2.4 mi upstream from Weisner Creek, and 3.8 mi upstream from mouth.

DRAINAGE AREA.--133 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1956 to September 1957 (fragmentary), October 1957 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 515.56 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Flood Control and Water Resources Commission).

AVERAGE DISCHARGE.--14 years, 117 ft<sup>3</sup>/s, 11.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,400 ft<sup>3</sup>/s June 28, 1957, gage height, 18.27 ft, from rating curve extended above 6,000 ft<sup>3</sup>/s on basis of combination contracted-opening, culvert, and flow-over-road measurement of peak flow, at site 8.5 mi upstream, adjusted to drainage area at gage; minimum daily, 4.1 ft<sup>3</sup>/s Dec. 22, 1963.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
NUMBER OF DAYS IN CLASS																																						
1958						13	6	2	2	14	22	40	50	42	30	34	22	23	9	14	14	9	3	6	4		2	1	1	1	1							
1959		15	10	13	21	20	11	29	19	29	19	12	22	22	18	24	23	18	11	11	6	4	3			2			1	1		1						
1960		8	11	20	39	18	15	13	20	20	27	43	39	21	25	9	9	5	6	5	5	2			2	1		2							1			
1961				13	58	38	16	29	34	22	16	10	14	14	8	17	6	13	15	8	11	9	3	4		1	2	2		1		1						
1962					16	20	14	15	27	20	19	27	23	33	29	25	34	21	14	6	4	5	3	3				1	2		1	2	1					
1963			1	22	6	38	43	53	51	32	17	11	13	7	11	7	6	9	7	8	9	5	2		3	2				2								
1964	34	58	45	17	19	12	18	35	18	8	10	8	7	11	11	11	7	3	5	3	9	2	5	2	4	1				1			2					
1965	17	34	13	23	27	34	25	18	13	18	12	14	19	7	19	16	15	12	9	5	7	3	1			2		1		1								
1966	10	21	10	64	48	18	12	26	28	25	15	20	16	11	16	5	4	6	1	2	3	1	3															
1967	5	22	13	19	15	25	19	14	17	12	16	15	27	32	23	20	18	15	14	6	6		5		2	1	1		3									
1968		9	6	8	15	38	25	24	13	19	32	25	16	25	27	18	16	12	11	8	2	5	1	2	2	1	1	2			1	1	1					
1969		28	13	13	10	13	17	20	35	27	39	30	32	17	14	15	13	10	5	4	2	1	3	1	1	1					1							
1970		10	23	10	22	15		8	24	14	10	6	16	39	42	46	26	11	10	14	6	4	3	2	2		2											
1971				3	2	5	16	18	49	47	47	36	27	27	17	13	22	9	6	7	2	4	5	1	1		1											

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5113	100.00	12	50.0	317	2405	47.04	24	750.0	19	95	1.86
1	4.1	66	5113	100.00	13	62.0	323	2088	40.84	25	950.0	22	76	1.49
2	5.1	159	5047	98.71	14	78.0	298	1765	34.52	26	1200.0	9	54	1.06
3	6.5	156	4888	95.60	15	98.0	315	1467	28.69	27	1500.0	14	45	0.88
4	8.1	280	4732	92.55	16	120.0	247	1152	22.53	28	1900.0	6	31	0.61
5	10.0	307	4452	87.07	17	150.0	235	905	17.70	29	2300.0	11	25	0.49
6	13.0	267	4145	81.07	18	190.0	162	670	13.10	30	2900.0	4	14	0.27
7	16.0	277	3878	75.85	19	240.0	131	508	9.94	31	3700.0	4	10	0.20
8	20.0	301	3601	70.43	20	300.0	114	377	7.37	32	4600.0	4	6	0.12
9	25.0	324	3300	64.54	21	380.0	84	263	5.14	33	5800.0	1	2	0.04
10	32.0	281	2976	58.20	22	480.0	39	179	3.50	34	7300.0	1	1	0.02
11	40.0	290	2695	52.71	23	600.0	45	140	2.74					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 6.8  
P90 = 9.0  
P75 = 16.6  
P70 = 20.4  
P50 = 44.8  
P25 = 111.0  
P10 = 239.0

## 03341200 LITTLE RACCOON CREEK NEAR CATLIN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1959	22.00 13	22.00 13	23.00 13	23.00 13	25.00 13	46.00 13	69.00 13	91.00 13	142.00 13
1960	5.20 5	5.20 4	5.50 4	5.80 4	6.60 4	8.10 4	9.80 4	11.00 4	16.00 4
1961	6.80 6	6.90 6	7.50 8	7.80 6	8.40 6	9.80 6	11.00 5	11.00 5	14.00 3
1962	9.00 10	9.00 10	9.00 9	9.20 9	11.00 10	23.00 11	27.00 11	29.00 11	42.00 11
1963	10.00 11	10.00 11	10.00 11	11.00 11	17.00 11	18.00 10	21.00 10	22.00 10	37.00 10
1964	4.10 1	4.20 1	4.30 1	4.60 1	5.50 2	6.80 3	6.90 3	6.90 1	13.00 2
1965	4.40 3	4.50 2	4.50 2	4.60 2	4.70 1	5.00 1	6.20 1	7.10 2	9.40 1
1966	5.20 4	5.50 5	6.10 5	7.80 7	9.00 7	9.60 5	11.00 6	14.00 6	17.00 5
1967	4.20 2	4.50 3	4.90 3	5.40 3	6.20 3	6.60 2	6.80 2	8.90 3	21.00 6
1968	7.20 8	7.20 8	7.30 6	7.60 5	8.10 5	10.00 7	14.00 7	17.00 8	29.00 8
1969	8.80 9	8.90 9	9.10 10	9.30 10	9.60 9	12.00 8	16.00 9	20.00 9	35.00 9
1970	11.00 12	12.00 12	12.00 12	16.00 12	18.00 12	43.00 12	56.00 12	60.00 12	88.00 12
1971	6.80 7	7.00 7	7.50 7	7.90 8	9.10 8	12.00 9	14.00 8	16.00 7	24.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	3000.00 8	1620.00 9	933.00 9	699.00 8	432.00 10	305.00 8	271.00 7	228.00 8	181.00 8
1959	3310.00 6	1410.00 10	805.00 10	505.00 12	464.00 7	352.00 7	280.00 6	242.00 6	206.00 7
1960	7570.00 1	3210.00 2	1590.00 3	797.00 6	444.00 9	258.00 11	213.00 12	189.00 12	176.00 10
1961	4580.00 5	2800.00 5	1460.00 5	914.00 3	649.00 3	443.00 3	357.00 4	308.00 4	216.00 3
1962	4860.00 4	3210.00 3	1520.00 4	898.00 4	553.00 5	439.00 4	372.00 3	312.00 2	265.00 2
1963	2510.00 10	2010.00 8	1060.00 8	647.00 9	516.00 6	366.00 6	265.00 8	206.00 9	143.00 13
1964	5210.00 3	2880.00 4	1670.00 2	1030.00 2	658.00 2	554.00 1	399.00 2	309.00 3	211.00 5
1965	2300.00 11	1120.00 11	661.00 13	435.00 13	344.00 12	255.00 12	232.00 10	204.00 11	152.00 11
1966	662.00 14	411.00 14	382.00 14	320.00 14	212.00 14	139.00 14	106.00 14	98.00 14	79.00 14
1967	2700.00 9	2340.00 6	1420.00 6	775.00 7	449.00 8	302.00 9	242.00 9	231.00 7	213.00 4
1968	7290.00 2	4470.00 1	2080.00 1	1140.00 1	737.00 1	506.00 2	403.00 1	331.00 1	321.00 1
1969	3210.00 7	2170.00 7	1330.00 7	888.00 5	620.00 4	384.00 5	284.00 5	264.00 5	206.00 6
1970	1760.00 13	1100.00 12	763.00 12	526.00 11	335.00 13	246.00 13	222.00 11	206.00 10	180.00 9
1971	1780.00 12	946.00 13	787.00 11	533.00 10	376.00 11	262.00 10	190.00 13	166.00 13	149.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1959	180.00 12
1960	71.00 2
1961	93.00 4
1962	188.00 13
1963	115.00 8
1964	75.00 3
1965	103.00 6
1966	65.00 1
1967	109.00 7
1968	154.00 11
1969	151.00 10
1970	129.00 9
1971	101.00 5

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	157.00 3
1959	118.00 7
1960	102.00 10
1961	117.00 8
1962	172.00 2
1963	82.00 13
1964	110.00 9
1965	84.00 12
1966	46.00 14
1967	122.00 6
1968	182.00 1
1969	128.00 4
1970	127.00 5
1971	96.00 11

03341200 LITTLE RACCOON CREEK NEAR CATLIN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	*	*	*	*	*	*	*	*	*	*	*	*
1958	36.20	103.00	396.00	146.00	52.00	65.10	64.80	113.00	227.00	273.00	283.00	108.00
1959	31.50	208.00	71.10	236.00	347.00	208.00	157.00	86.40	55.60	14.50	10.70	7.28
1960	12.20	23.40	42.70	92.10	236.00	122.00	88.10	98.80	413.00	66.50	27.00	13.60
1961	8.57	11.70	12.80	23.30	37.70	315.00	293.00	440.00	158.00	24.50	42.10	32.20
1962	26.40	70.10	80.30	525.00	203.00	360.00	113.00	182.00	63.40	294.00	28.20	109.00
1963	26.50	27.40	18.10	19.50	25.10	463.00	234.00	81.00	18.90	18.60	38.60	8.57
1964	6.52	8.35	6.07	25.60	21.90	433.00	645.00	103.00	39.00	14.90	10.20	5.32
1965	5.05	9.60	11.40	80.70	162.00	170.00	340.00	123.00	50.50	31.50	11.70	24.00
1966	10.60	9.58	18.50	47.30	70.70	52.80	145.00	111.00	47.30	30.80	7.58	7.46
1967	6.18	52.40	420.00	120.00	156.00	205.00	124.00	233.00	34.80	53.20	47.00	8.96
1968	13.00	20.40	714.00	220.00	253.00	116.00	187.00	420.00	154.00	31.70	35.90	17.10
1969	9.59	48.40	139.00	419.00	280.00	77.30	223.00	107.00	64.40	84.30	40.20	58.50
1970	218.00	235.00	101.00	98.80	161.00	164.00	318.00	133.00	59.00	17.10	14.20	13.70
1971	21.00	44.70	43.10	38.00	373.00	161.00	53.40	83.90	86.60	156.00	81.00	37.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
7.03	9.58	11.80	23.90	28.20	58.90
FIFTIETH PERCENTILE					
12.60	25.40	42.90	86.40	159.00	161.00
SEVENTY FIFTH PERCENTILE					
28.90	65.70	130.00	202.00	249.00	262.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
59.10	84.50	35.80	15.40	10.30	7.37
FIFTIETH PERCENTILE					
145.00	109.00	57.30	31.10	27.60	13.70
SEVENTY FIFTH PERCENTILE					
264.00	170.00	137.00	79.80	41.60	34.60

## WABASH RIVER BASIN

03341300 BIG RACCOON CREEK AT COXVILLE, IN

LOCATION.--Lat 39°39'09", long 87°17'37", in SW¼SW¼ sec.15, T.14 N., R.8 W., Parke County, Hydrologic Unit 05120108, on right bank at downstream side of covered bridge on county road at Coxville, 0.8 mi upstream from Rock Run, 1.5 mi downstream from Little Raccoon Creek, 2.1 mi northwest of Rosedale, and at mile 13.1.

DRAINAGE AREA.--448 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1956 to September 1985. Prior to October 1963, published as Raccoon Creek at Coxville.

GAGE.--Water-stage recorder. Datum of gage is 494.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Flow regulated by Cecil M. Harden Lake.

AVERAGE DISCHARGE.--29 years, 494 ft<sup>3</sup>/s, 14.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft<sup>3</sup>/s June 28, 1957, gage height, 21.23 ft, from rating curve extended above 35,000 ft<sup>3</sup>/s on basis of an estimate made by slope-area study; minimum daily, 6.5 ft<sup>3</sup>/s Oct. 10, 1956.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1957		3	8	9	3	1	1	11	24	9	8	17	16	21	31	39	35	28	16	20	20	12	9	5	8	4	2	2		1					2
1958									9	6	4	10	11	52	54	51	46	23	28	17	18	13	6	4	4	2	1	1	3	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	730	100.00	12	110.0	27	607	83.15	24	2300.0	12	32	4.38
1	6.5	3	730	100.00	13	140.0	73	580	79.45	25	2900.0	6	20	2.74
2	8.4	8	727	99.59	14	180.0	85	507	69.45	26	3800.0	3	14	1.92
3	11.0	9	719	98.49	15	230.0	90	422	57.81	27	4900.0	3	11	1.51
4	14.0	3	710	97.26	16	300.0	81	332	45.48	28	6300.0	3	8	1.10
5	18.0	1	707	96.85	17	380.0	51	251	34.38	29	8100.0	2	5	0.68
6	23.0	1	706	96.71	18	490.0	44	200	27.40	30	11000.0	1	3	0.41
7	30.0	11	705	96.58	19	640.0	37	156	21.37	31	14000.0	0	2	0.27
8	39.0	33	694	95.07	20	820.0	38	119	16.30	32	17000.0	0	2	0.27
9	50.0	15	661	90.55	21	1100.0	25	81	11.10	33	23000.0	0	2	0.27
10	64.0	12	646	88.49	22	1400.0	15	56	7.67	34	29000.0	2	2	0.27
11	83.0	27	634	86.85	23	1800.0	9	41	5.62					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 39.3  
P90 = 53.7  
P75 = 158.0  
P70 = 178.0  
P50 = 274.0  
P25 = 551.0  
P10 = 1200.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1958	45.00 1	46.00 1	47.00 1	50.00 1	63.00 1	110.00 1	142.00 1	177.00 1	487.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1957	51400.00 1	28900.00 1	13100.00 1	6690.00 1	3850.00 1	2550.00 1	2140.00 1	1790.00 1	1350.00 1
1958	12400.00 2	7920.00 2	4420.00 2	3060.00 2	1770.00 2	1150.00 2	971.00 2	824.00 2	646.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1958 874.00 1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1957 744.00 1  
1958 577.00 2



## 03341300 BIG RACCOON CREEK AT COXVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	17.50	44.30	259.00	380.00	523.00	332.00	1648.0	1135.0	3613.0	689.00	243.00	99.20
1958	138.00	428.00	1656.0	421.00	193.00	228.00	241.00	419.00	909.00	848.00	1062.0	330.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1962										24	28	17	20	27	37	20	40	29	34	16	9	26	17	2	10	1	2	1		2	1	1	1				
1963								28	72	61	31	19	20	19	23	17	11	15	18	2	4	3	6	5	3	4	1		1			1	1				
1964				21	3	2	23	41	36	34	25	14	51	21	6	11	9	7	4	11	2	26	8	2	1	5			1		1			1			
1965				6	4	16	30	8	15	32	24	16	69	26	14	31	18	26	9	4	6	2	4	3			2										
1966			3	40	26	5	24	49	31	22	25	28	20	50	14	7	5	1	7	3	3	1	1														
1967			11	6	8	28	21	10	8	20	15	59	39	24	25	22	17	5	10	12	7	4	8	2	1			2			1						
1968							8	9	13	21	13	55	46	46	25	12	18	18	12	14	17	6	19	2	3	1	1	4					1	2			
1969								8	17	23	24	58	47	25	39	23	22	24	10	11	3	2	13	11	1	2	1				1						
1970							21	31	17	8	18	11	10	35	29	36	22	28	27	12	26	24	4		3	2	1										
1971								7	22	42	45	23	28	46	37	33	21	12	18	9	4	5	1	11					1								
1972							8	15	25	21	26	35	72	36	27	18	16	10	9	18	7	8	5	8			1				1						
1973								13	7	9	18	17	13	9	24	22	20	22	51	63	28	18	15	8	5			2				1					
1974								2	20	16	17	5	6	2	14	27	40	29	16	43	41	35	31	7	9	4				1							
1975							3	7	15	36	18	20	20	19	26	18	30	24	41	29	20	27	4	2	3	1	1	1									
1976							7	46	30	43	22	18	26	24	14	38	30	20	20	6	5	6	7	1	2	1											
1977			9	7	10	15	12	12	8	38	31	21	46	30	26	15	14	35	18	6	8																
1978								6	16	40	30	27	19	14	13	16	21	23	32	32	27	25	16	3	2	2	1										
1979								6	15	5	29	35	31	23	27	26	14	25	35	39	29	10	2	4	5	2	1				1		1				
1980							12	32	25	14	17	16	36	30	23	26	6	24	20	26	32	12	9	5			1										
1981				4	41	9	13	33	14	20	35	36	23	19	19	18	8	14	23	20	5	4			3		2	2									
1982								8	10	21	28	27	18	17	14	37	24	25	22	27	25	37	12	4	8	1											
1983					1	31	20	16	13	6	10	15	12	54	47	25	23	16	14	14	20	16	3	2	3	3				1							
1984				4	20	19	15	20	35	34	12	17	11	22	27	14	32	30	21	13	14	2	2	1	1												
1985								11	15	21	18	24	29	23	18	14	16	14	18	19	36	34	25	17	1	5	5				1	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	8766	100.00	12	150.0	517	6339	72.31	24	1600.0	182	380	4.33
1	16.0	9	8766	100.00	13	180.0	742	5822	66.42	25	2000.0	70	198	2.26
2	20.0	7	8757	99.90	14	220.0	693	5080	57.95	26	2400.0	60	128	1.46
3	24.0	13	8750	99.82	15	270.0	505	4387	50.05	27	2900.0	27	68	0.78
4	29.0	93	8737	99.67	16	320.0	604	3882	44.28	28	3600.0	13	41	0.47
5	36.0	55	8644	98.61	17	400.0	480	3278	37.39	29	4400.0	10	28	0.32
6	44.0	89	8589	97.98	18	480.0	457	2798	31.92	30	5400.0	6	18	0.21
7	53.0	241	8500	96.97	19	590.0	416	2341	26.71	31	6600.0	5	12	0.14
8	65.0	427	8259	94.22	20	720.0	408	1925	21.96	32	8000.0	3	7	0.08
9	80.0	455	7832	89.35	21	880.0	488	1517	17.31	33	9800.0	2	4	0.05
10	97.0	489	7377	84.15	22	1100.0	377	1029	11.74	34	12000.0	2	2	0.02
11	120.0	549	6888	78.58	23	1300.0	272	652	7.44					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	61.6
P90 =	78.0
P75 =	137.0
P70 =	162.0
P50 =	270.0
P25 =	637.0
P10 =	1180.0

## 03341300 BIG RACCOON CREEK AT COXVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	56.00 11	58.00 11	59.00 11	60.00 9	71.00 10	80.00 7	85.00 5	133.00 9	230.00 10
1964	30.00 3	30.00 3	30.00 3	30.00 2	36.00 3	82.00 8	94.00 8	98.00 2	132.00 4
1965	30.00 4	30.00 4	33.00 4	42.00 4	54.00 5	70.00 5	87.00 6	102.00 3	124.00 3
1966	42.00 6	44.00 6	46.00 6	47.00 6	55.00 6	96.00 9	109.00 9	151.00 11	168.00 6
1967	28.00 2	28.00 2	29.00 2	31.00 3	32.00 2	34.00 2	35.00 1	46.00 1	82.00 1
1968	46.00 8	46.00 7	48.00 7	51.00 7	65.00 8	106.00 10	111.00 10	132.00 7	177.00 7
1969	73.00 13	74.00 13	75.00 13	91.00 14	130.00 20	139.00 14	169.00 15	181.00 14	248.00 15
1970	80.00 17	82.00 16	85.00 17	96.00 16	165.00 22	197.00 20	245.00 20	245.00 16	317.00 16
1971	59.00 12	59.00 12	60.00 12	62.00 12	71.00 9	74.00 6	91.00 7	133.00 8	190.00 8
1972	82.00 19	87.00 20	93.00 20	101.00 18	121.00 16	184.00 18	199.00 16	232.00 15	242.00 12
1973	74.00 14	75.00 14	76.00 14	80.00 13	113.00 13	118.00 12	162.00 14	267.00 18	344.00 18
1974	81.00 18	82.00 17	83.00 16	92.00 15	113.00 14	182.00 17	260.00 21	338.00 22	455.00 20
1975	89.00 21	93.00 22	103.00 22	110.00 21	125.00 19	224.00 22	212.00 17	288.00 19	456.00 21
1976	74.00 15	76.00 15	82.00 15	101.00 19	116.00 15	132.00 13	148.00 12	159.00 12	234.00 11
1977	16.00 1	17.00 1	17.00 1	19.00 1	26.00 1	31.00 1	73.00 3	104.00 4	118.00 2
1978	45.00 7	46.00 8	49.00 8	61.00 10	92.00 12	160.00 15	160.00 13	173.00 13	192.00 9
1979	89.00 22	90.00 21	94.00 21	101.00 20	124.00 17	227.00 23	244.00 19	248.00 17	331.00 17
1980	96.00 23	98.00 23	122.00 23	125.00 22	150.00 21	203.00 21	335.00 23	511.00 23	508.00 23
1981	40.00 5	42.00 5	43.00 5	44.00 5	46.00 4	51.00 3	78.00 4	112.00 6	163.00 5
1982	78.00 16	85.00 18	91.00 19	157.00 23	179.00 23	190.00 19	300.00 22	310.00 21	472.00 22
1983	83.00 20	86.00 19	87.00 18	99.00 17	125.00 18	171.00 16	235.00 18	298.00 20	431.00 19
1984	50.00 9	51.00 9	52.00 9	55.00 8	56.00 7	61.00 4	72.00 2	105.00 5	245.00 13
1985	52.00 10	54.00 10	58.00 10	61.00 11	83.00 11	110.00 11	121.00 11	143.00 10	247.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	8430.00 4	4670.00 7	2340.00 9	1490.00 14	1370.00 13	1180.00 12	1050.00 10	904.00 10	721.00 11
1963	8240.00 5	5980.00 2	2910.00 5	1770.00 10	1540.00 8	1150.00 13	822.00 15	640.00 18	470.00 20
1964	10300.00 2	5890.00 3	3290.00 4	2140.00 3	1570.00 6	1340.00 7	1210.00 7	946.00 7	665.00 14
1965	2790.00 20	1670.00 22	1100.00 22	936.00 22	810.00 22	665.00 22	620.00 22	550.00 21	421.00 22
1966	1300.00 23	1030.00 23	699.00 23	572.00 23	379.00 24	246.00 24	258.00 23	233.00 23	212.00 23
1967	5500.00 9	4040.00 8	2400.00 8	1350.00 17	1230.00 16	871.00 19	726.00 18	681.00 17	601.00 16
1968	17600.00 1	11000.00 1	5090.00 1	3530.00 1	2310.00 1	1800.00 1	1440.00 2	1180.00 4	1030.00 5
1969	7020.00 6	4680.00 6	2770.00 6	2020.00 4	1960.00 2	1410.00 5	1080.00 9	923.00 9	729.00 10
1970	3300.00 18	1900.00 20	1540.00 19	1150.00 20	1090.00 18	1050.00 14	807.00 16	720.00 15	649.00 15
1971	4290.00 14	2210.00 18	1770.00 17	1480.00 15	1280.00 15	901.00 17	643.00 21	547.00 22	455.00 21
1972	5400.00 10	3430.00 11	2100.00 15	1940.00 6	1400.00 12	886.00 18	679.00 20	579.00 20	586.00 17
1973	6130.00 8	2990.00 12	2130.00 13	1720.00 11	1480.00 10	1370.00 6	1270.00 5	1120.00 5	1060.00 3
1974	4450.00 13	3610.00 9	2330.00 10	1900.00 7	1890.00 3	1690.00 2	1480.00 1	1370.00 1	1300.00 1
1975	4680.00 12	2950.00 13	1850.00 16	1420.00 16	1350.00 14	1280.00 8	1240.00 6	1100.00 6	964.00 6
1976	2440.00 21	2030.00 19	1290.00 21	1040.00 21	931.00 21	847.00 20	702.00 19	612.00 19	527.00 19
1977	1200.00 24	912.00 24	633.00 24	440.00 24	387.00 23	293.00 23	249.00 24	221.00 24	209.00 24
1978	3990.00 16	2910.00 14	2100.00 14	1820.00 8	1410.00 11	1270.00 9	1170.00 8	931.00 8	887.00 7
1979	9270.00 3	5310.00 5	3370.00 2	1950.00 5	1540.00 7	1230.00 10	972.00 11	828.00 11	826.00 8
1980	2420.00 22	1690.00 21	1410.00 20	1270.00 19	1090.00 19	1010.00 16	764.00 17	695.00 16	679.00 13
1981	4120.00 15	2670.00 15	2270.00 11	1550.00 13	1030.00 20	813.00 21	858.00 14	739.00 14	547.00 18
1982	3360.00 17	2620.00 16	2160.00 12	1820.00 9	1700.00 5	1490.00 4	1380.00 3	1250.00 2	1040.00 4
1983	4740.00 11	3430.00 10	2410.00 7	1640.00 12	1490.00 9	1190.00 11	962.00 12	804.00 12	763.00 9
1984	3270.00 19	2260.00 17	1600.00 18	1310.00 18	1150.00 17	1050.00 15	919.00 13	802.00 13	700.00 12
1985	6700.00 7	5320.00 4	3320.00 3	2190.00 2	1850.00 4	1680.00 3	1360.00 4	1180.00 3	1160.00 2

03341300 BIG RACCOON CREEK AT COXVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	413.00	9
1964	273.00	4
1965	392.00	8
1966	236.00	2
1967	314.00	5
1968	551.00	14
1969	581.00	15
1970	483.00	13
1971	367.00	7
1972	354.00	6
1973	700.00	21
1974	831.00	23
1975	820.00	22
1976	434.00	10
1977	159.00	1
1978	463.00	12
1979	585.00	16
1980	644.00	18
1981	243.00	3
1982	693.00	20
1983	597.00	17
1984	454.00	11
1985	686.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	550.00	9
1963	311.00	21
1964	394.00	16
1965	287.00	22
1966	160.00	24
1967	376.00	17
1968	669.00	5
1969	503.00	10
1970	466.00	12
1971	345.00	19
1972	434.00	15
1973	794.00	2
1974	914.00	1
1975	626.00	8
1976	323.00	20
1977	184.00	23
1978	655.00	7
1979	658.00	6
1980	437.00	14
1981	364.00	18
1982	701.00	4
1983	502.00	11
1984	458.00	13
1985	711.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1962	339.00	487.00	276.00	958.00	1067.0	872.00	665.00	346.00	164.00	752.00	199.00	515.00
1963	338.00	275.00	82.50	86.50	91.30	1415.0	820.00	182.00	86.40	84.60	127.00	126.00
1964	210.00	234.00	48.20	131.00	103.00	1117.0	1447.0	1014.0	141.00	96.10	70.60	107.00
1965	195.00	220.00	56.70	204.00	577.00	604.00	580.00	355.00	236.00	147.00	68.30	229.00
1966	250.00	231.00	87.90	221.00	267.00	176.00	274.00	200.00	85.20	67.50	34.40	34.60
1967	105.00	317.00	983.00	605.00	515.00	553.00	367.00	526.00	122.00	105.00	137.00	177.00
1968	244.00	286.00	2070.0	1116.0	1065.0	389.00	391.00	1031.0	894.00	161.00	158.00	214.00
1969	216.00	421.00	414.00	1223.0	1648.0	291.00	471.00	241.00	180.00	385.00	189.00	456.00
1970	799.00	1063.0	530.00	322.00	621.00	561.00	657.00	470.00	230.00	80.30	75.20	209.00
1971	290.00	359.00	152.00	129.00	891.00	916.00	146.00	226.00	253.00	311.00	233.00	281.00
1972	298.00	264.00	1268.0	441.00	228.00	280.00	854.00	382.00	599.00	162.00	119.00	304.00
1973	543.00	1321.0	1408.0	1038.0	649.00	1027.0	929.00	623.00	891.00	661.00	290.00	131.00
1974	377.00	675.00	1287.0	1572.0	1528.0	1052.0	962.00	1174.0	1205.0	720.00	194.00	262.00
1975	316.00	694.00	641.00	1260.0	1256.0	1200.0	628.00	765.00	327.00	155.00	165.00	149.00
1976	222.00	410.00	350.00	414.00	744.00	892.00	272.00	107.00	104.00	142.00	163.00	72.60
1977	201.00	368.00	63.50	25.90	148.00	248.00	198.00	247.00	96.10	226.00	216.00	167.00
1978	741.00	700.00	991.00	769.00	156.00	993.00	1073.0	1231.0	299.00	255.00	292.00	298.00
1979	249.00	660.00	467.00	529.00	425.00	1231.0	1098.0	324.00	158.00	982.00	1061.0	682.00
1980	323.00	788.00	576.00	396.00	403.00	919.00	948.00	182.00	399.00	85.50	156.00	82.10
1981	367.00	260.00	67.40	45.90	198.00	145.00	212.00	974.00	380.00	1001.0	492.00	191.00
1982	346.00	502.00	387.00	1046.0	1360.0	1436.0	1028.0	474.00	854.00	537.00	363.00	135.00
1983	355.00	380.00	1446.0	816.00	506.00	264.00	600.00	881.00	460.00	171.00	76.60	56.80
1984	220.00	555.00	817.00	137.00	735.00	746.00	1110.0	587.00	191.00	136.00	118.00	168.00
1985	377.00	1081.0	1162.0	788.00	1055.0	1493.0	1310.0	515.00	375.00	143.00	129.00	136.00

## WABASH RIVER BASIN

03341300 BIG RACCOON CREEK AT COXVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
221.00	278.00	104.00	154.00	238.00	316.00
FIFTIETH PERCENTILE					
307.00	416.00	499.00	485.00	599.00	882.00
SEVENTY FIFTH PERCENTILE					
364.00	689.00	1119.00	1018.00	1063.00	1101.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
373.00	243.00	145.00	113.00	118.00	127.00
FIFTIETH PERCENTILE					
661.00	472.00	245.00	162.00	161.00	173.00
SEVENTY FIFTH PERCENTILE					
1012.00	852.00	445.00	499.00	229.00	276.00

03341420 BROUILLETS CREEK NEAR UNIVERSAL, IN

LOCATION.--Lat 39°37'09", long 87°26'08", in NW¼NE¼ sec.32, T.14 N., R.9 W., Vermillion County, Hydrologic Unit 05120111, on downstream side of bridge on State Highway 63, 0.1 mi downstream from Gin Creek, and 0.7 mi east of Universal.

DRAINAGE AREA.--331 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1966 to September 1971 (discontinued).

GAGE.--Nonrecording gage. Datum of gage is 466.78 ft above National Geodetic Vertical Datum of 1929. Auxiliary nonrecording gage 2.0 mi downstream at datum 11.16 ft lower.

AVERAGE DISCHARGE.--5 years, 274 ft<sup>3</sup>/s, 11.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft<sup>3</sup>/s Dec. 8, 1966, gage height, 17.08 ft from floodmark; minimum daily, 1.2 ft<sup>3</sup>/s Aug. 7-9, 1966.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1967			12	12	8	15	9	6	6	20	13	14	7	9	9	10	26	20	40	29	21	15	18	17	8	6	3	3	3	3		1			2	
1968			2	5	3	6	6	15	27	15	12	5	4	6	5	13	34	36	34	25	24	18	18	14	10	8	7	2	6	3	3	3	1	1	2	
1969			6	14	5	7	5	1	2	3	3			27	24	33	28	52	32	33	14	15	21	13	8	7	1	5	1	2	1	1			1	
1970				3	1	7	6	7	7	5	14	12	9	5	12	35	18	21	34	41	48	25	16	11	9	7	4	3	1	2	1	1				
1971						1	2	2	10	18	6	8	13	17	36	56	57	38	24	18	14	15	10	3	5	6	2	1	1	2						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1826	100.00	12	25.0	33	1460	79.96	24	670.0	40	140	7.67
1	1.2	0	1826	100.00	13	32.0	64	1427	78.15	25	880.0	34	100	5.48
2	1.6	20	1826	100.00	14	43.0	86	1363	74.64	26	1200.0	12	66	3.61
3	2.1	34	1806	98.90	15	56.0	147	1277	69.93	27	1500.0	18	54	2.96
4	2.7	17	1772	97.04	16	74.0	163	1130	61.88	28	2000.0	9	36	1.97
5	3.6	36	1755	96.11	17	97.0	167	967	52.96	29	2600.0	12	27	1.48
6	4.7	28	1719	94.14	18	130.0	164	800	43.81	30	3500.0	5	15	0.82
7	6.2	31	1691	92.61	19	170.0	146	636	34.83	31	4600.0	4	10	0.55
8	8.2	52	1660	90.91	20	220.0	121	490	26.83	32	6000.0	1	6	0.33
9	11.0	61	1608	88.06	21	290.0	88	369	20.21	33	7900.0	3	5	0.27
10	14.0	48	1547	84.72	22	380.0	83	281	15.39	34	10000.0	2	2	0.11
11	19.0	39	1499	82.09	23	510.0	58	198	10.84					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	4.2
P90 =	9.1
P75 =	42.0
P70 =	55.8
P50 =	108.0
P25 =	240.0
P10 =	551.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	1.60 1	1.70 1	1.70 1	1.90 1	2.40 1	2.80 1	4.50 1	6.10 1	22.00 1
1969	1.90 2	1.90 2	1.90 2	2.10 2	2.70 2	5.20 2	12.00 2	34.00 3	91.00 3
1970	37.00 4	37.00 4	38.00 4	39.00 4	42.00 4	79.00 4	103.00 4	110.00 4	165.00 4
1971	2.60 3	2.60 3	3.20 3	3.80 3	17.00 3	21.00 3	23.00 3	32.00 2	50.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	11500.00 1	9040.00 1	5090.00 1	2810.00 1	1690.00 1	931.00 2	770.00 2	677.00 1	565.00 2
1968	9600.00 2	6770.00 2	3860.00 2	2160.00 2	1170.00 3	978.00 1	790.00 1	633.00 2	634.00 1
1969	7910.00 3	5820.00 3	3020.00 3	2060.00 3	1480.00 2	873.00 3	652.00 3	602.00 3	450.00 3
1970	5400.00 4	3390.00 4	2740.00 4	1780.00 4	1030.00 4	679.00 4	553.00 4	492.00 4	404.00 4
1971	3110.00 5	2150.00 5	1540.00 5	1080.00 5	756.00 5	514.00 5	367.00 5	348.00 5	271.00 5

## WABASH RIVER BASIN

03341420 BROUILLETTS CREEK NEAR UNIVERSAL, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	276.00	3
1969	331.00	4
1970	244.00	2
1971	228.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	303.00	2
1968	370.00	1
1969	269.00	3
1970	264.00	4
1971	166.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	*	*	*	*	*	*	*	*	*	25.30	5.49	84.70
1967	24.60	267.00	1487.0	254.00	357.00	431.00	182.00	495.00	100.00	16.30	4.75	2.47
1968	7.03	10.70	1137.0	494.00	708.00	162.00	247.00	1008.0	277.00	118.00	247.00	10.20
1969	2.78	53.00	200.00	1045.0	617.00	150.00	541.00	150.00	138.00	186.00	47.10	120.00
1970	350.00	456.00	155.00	197.00	307.00	294.00	1011.0	234.00	104.00	31.40	27.10	22.40
1971	61.40	93.40	79.50	73.30	737.00	316.00	80.90	248.00	170.00	122.00	31.90	25.40

## 03341500 WABASH RIVER AT TERRE HAUTE, IN

LOCATION.--Lat 39°28'33", Long 87°25'07", in NE¼NW¼ sec.21, T.12 N., R.9 W., Vigo County, Hydrologic Unit 05120111, on left bank at Indiana America Water Company, Inc., 1st and Elm Streets in Terre Haute, Indiana, 3.2 mi upstream from Sugar Creek, and 3.4 mi downstream from Lost Creek.

DRAINAGE AREA.--12,263 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1902 to December 1903 (gage height only), February 1905 to July 1906, October 1927 to September 1985. Gage-height records collected at site 3,300 ft upstream June 1891 to June 1897 and since December 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 442.90 ft above National Geodetic Vertical Datum of 1929. See MSP 1725 for history of changes prior to Oct. 27, 1928.

REMARKS.--Flow partially regulated by upstream reservoirs.

AVERAGE DISCHARGE.--58 years, 10,870 ft<sup>3</sup>/s, 12.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 189,000 ft<sup>3</sup>/s May 20, 1943, gage height, 30.50 ft; minimum daily, 701 ft<sup>3</sup>/s Aug. 3, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 27, 1913, reached a stage of 31.1 ft, present site and datum, discharge, 245,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1928						4	3	13	8	13	36	25	18	25	33	23	24	26	31	16	13	15	15	5	1	10	5	4								
1929						12	49	37	11	15	21	16	21	16	14	9	11	16	22	23	17	14	15	12	9	3	2									
1930					34	40	22	20	19	19	12	12	18	17	12	14	14	15	27	14	8	8	7	8	6	3	3	6	2	5						
1931				5	15	46	76	52	26	29	39	36	19	8	4	1	3	2	3	1																
1932				10	8	38	29	32	19	11	19	25	21	37	23	24	18	18	12	7	4	3	4	4												
1933				3	24	22	24	29	20	30	14	14	11	17	13	14	15	16	9	11	16	25	15	4	6	7	1	2	3							
1934	9	9	12	15	14	28	42	55	44	43	29	14	8	8	11	2	7	5	7	2	1															
1935				10	32	20	15	13	19	21	22	32	25	35	21	23	15	24	9	9	4	3	3	6	4											
1936				15	23	12	27	24	22	18	31	33	24	22	21	11	21	6	9	12	5	5	4	5	6	2		2	1	2	2	1				
1937							3	11	17	26	25	19	18	22	20	15	31	30	16	17	18	18	27	10	6	6	3	7								
1938						1	15	18	30	22	20	15	20	24	41	20	22	12	22	12	14	6	17	6	7	7	6	8								
1939				9	9	21	41	26	16	14	17	30	23	26	19	12	11	10	13	6	7	12	18	7	2	4	3	2	4	3						
1940				15	28	43	30	54	19	10	10	11	17	22	29	21	11	4	5	10	6	5	11	5												
1941	13	29	20	14	15	36	33	58	47	24	19	17	10	7	9	6	1	2	5																	
1942	2	1	2			4	16	60	32	21	34	31	33	25	14	12	12	13	6	6	4	16	15	3	3											
1943						9	11	10	29	24	17	26	35	40	28	34	20	24	9	7	4	7	11	1	3	4	2	3	1	2			2	2		
1944				13	37	23	40	64	39	9	8	4	5	7	6	7	9	11	12	11	17	10	10	4	6	4	6	2	2							
1945				5	52	44	23	14	18	6	14	13	9	14	15	20	17	24	16	16	3	7	7	6	7	8	7									
1946				16	2	9	11	18	10	16	15	27	35	32	27	13	14	30	18	13	8	14	24	13												
1947				4	13	7	5	36	39	38	35	27	13	24	13	8	20	9	13	15	8	11	10	4	8	5										
1948				3	3	19	16	22	66	29	21	19	14	14	30	12	13	8	11	8	8	10	13	8	10	6	2	1								
1949						18	23	19	10	17	14	7	24	22	27	43	20	17	14	18	4	11	8	12	10	6	10	9	2							
1950				2	1	2			11	24	21	28	19	31	12	10	15	14	11	9	30	29	19	13	19	8	9	9	6	9	4					
1951							5	18	10	13	29	17	39	37	21	22	21	31	13	17	24	14	18	7	1	3	1	4								
1952						3	29	27	19	18	20	12	25	16	11	28	28	26	9	16	9	22	33	15												
1953						22	26	37	15	6	9	16	40	37	36	28	13	18	14	11	7	7	6	12	5											
1954	2	11	54	46	20	38	21	42	35	17	15	10	16	17	5	5	5	4	2																	
1955				12	5	9	11	12	27	26	28	23	29	20	26	20	13	18	29	20	14	8	4	11												
1956				2	7	5	11	17	14	28	22	26	23	23	24	23	17	32	27	12	7	20	8	8	10											
1957				34	19	5	7	13	11	16	18	22	22	27	16	13	11	13	14	11	13	11	19	20	9	11	7		2	1						
1958						4	9	6	9	28	26	46	33	33	22	29	14	21	12	7	10	16	14	7	6	5	1	2	2	3						
1959						8	21	47	29	27	36	11	6	6	9	13	20	23	13	23	15	23	3	2	4	3	3	1	4							
1960						3	18	29	22	23	19	38	23	36	27	48	23	18	4	9	6	7	7	6												
1961				2	1	10	24	86	12	17	21	22	16	15	19	16	7	10	8	20	6	9	6	3	18	4	6	4	3							
1962							10	35	26	23	32	30	25	21	16	24	27	26	11	11	10	11	17	5	5											
1963						32	50	44	81	23	22	17	10	14	6	6	6	9	6	15	2	7	4	1	1	2	3	4								
1964	11	27	28	56	35	20	16	13	14	21	11	12	4	14	9	10	10	10	8	7	7	13	5	4	2	2	2	2	3							

## 03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13515	100.00	12	4500.0	784	7604	56.26	24	34000.0	292	796	5.89
1	701.0	24	13515	100.00	13	5300.0	758	6820	50.46	25	40000.0	167	504	3.73
2	830.0	82	13491	99.82	14	6300.0	753	6062	44.85	26	47000.0	125	337	2.49
3	980.0	196	13409	99.22	15	7400.0	784	5309	39.28	27	56000.0	81	212	1.57
4	1200.0	334	13213	97.77	16	8800.0	489	4525	33.48	28	66000.0	58	131	0.97
5	1400.0	488	12879	95.29	17	10000.0	637	4036	29.86	29	78000.0	32	73	0.54
6	1600.0	674	12391	91.68	18	12000.0	570	3399	25.15	30	92000.0	28	41	0.30
7	1900.0	823	11717	86.70	19	14000.0	594	2829	20.93	31	110000.0	9	13	0.10
8	2300.0	813	10894	80.61	20	17000.0	334	2235	16.54	32	130000.0	0	4	0.03
9	2700.0	897	10081	74.59	21	20000.0	367	1901	14.07	33	150000.0	2	4	0.03
10	3200.0	805	9184	67.95	22	24000.0	338	1534	11.35	34	180000.0	2	2	0.01
11	3800.0	775	8379	62.00	23	28000.0	400	1196	8.85					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1420.0  
 P90 = 1700.0  
 P75 = 2670.0  
 P70 = 3050.0  
 P50 = 5380.0  
 P25 = 12100.0  
 P10 = 26200.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1929	1770.00 26	1840.00 26	1900.00 27	2010.00 27	2160.00 26	2180.00 21	2350.00 17	2750.00 17	3580.00 21
1930	1520.00 24	1540.00 22	1570.00 21	1620.00 20	1720.00 17	2010.00 17	3090.00 26	3670.00 26	6500.00 31
1931	1040.00 10	1210.00 10	1360.00 11	1430.00 12	1450.00 11	1560.00 9	1610.00 9	1660.00 7	1680.00 3
1932	1260.00 15	1300.00 14	1390.00 14	1860.00 25	2060.00 24	2420.00 25	2680.00 23	2870.00 21	3470.00 18
1933	1430.00 20	1450.00 18	1480.00 18	1570.00 18	2250.00 27	2570.00 26	2650.00 22	2860.00 19	3220.00 15
1934	1250.00 14	1540.00 23	1620.00 23	1690.00 21	1770.00 18	2240.00 22	2550.00 20	2710.00 15	3210.00 14
1935	701.00 1	708.00 1	759.00 2	815.00 2	1100.00 5	1240.00 5	1440.00 7	2010.00 10	2340.00 8
1936	1480.00 21	1480.00 19	1500.00 19	1520.00 14	1560.00 13	1770.00 13	2420.00 18	2880.00 22	3250.00 16
1937	900.00 6	923.00 5	959.00 5	969.00 5	1010.00 2	1200.00 4	1520.00 8	2010.00 11	4260.00 25
1938	1840.00 28	1880.00 28	2040.00 29	2270.00 30	2650.00 30	3630.00 32	3400.00 28	3710.00 27	5230.00 26
1939	1350.00 19	1590.00 24	1760.00 25	1830.00 23	2010.00 22	2160.00 19	2520.00 19	2860.00 20	4010.00 22
1940	1210.00 13	1230.00 11	1240.00 10	1260.00 10	1390.00 10	1580.00 10	1710.00 10	1650.00 6	2090.00 6
1941	860.00 4	873.00 4	879.00 4	898.00 3	1010.00 3	1080.00 2	1200.00 1	1330.00 1	1720.00 4
1942	721.00 2	723.00 2	732.00 1	750.00 1	930.00 1	958.00 1	1290.00 2	1930.00 8	2980.00 13
1943	1980.00 30	1980.00 30	2040.00 30	2210.00 29	2680.00 31	2900.00 30	3320.00 27	4100.00 28	5260.00 27
1944	1060.00 11	1240.00 12	1410.00 15	1520.00 15	1660.00 15	1740.00 12	1860.00 11	2210.00 14	2660.00 11
1945	1060.00 12	1110.00 9	1180.00 9	1200.00 8	1260.00 7	1360.00 7	1410.00 6	1460.00 4	1460.00 1
1946	2100.00 31	2100.00 31	2200.00 31	2520.00 33	2840.00 32	4110.00 35	4760.00 34	6790.00 35	6530.00 32
1947	1310.00 17	1330.00 15	1370.00 12	1370.00 11	1490.00 12	1630.00 11	1960.00 13	2190.00 13	2810.00 12
1948	1860.00 29	1890.00 29	1930.00 28	2020.00 28	2400.00 28	2750.00 28	2970.00 25	3000.00 24	3550.00 19
1949	1300.00 16	1340.00 16	1470.00 16	1560.00 17	1640.00 14	1800.00 15	2130.00 15	2880.00 23	4020.00 23
1950	1500.00 23	1530.00 21	1600.00 22	1730.00 22	2130.00 25	2600.00 27	3770.00 31	4920.00 32	5670.00 30
1951	3080.00 36	3200.00 36	3390.00 36	3660.00 36	4020.00 36	6840.00 36	8690.00 36	8210.00 36	9560.00 35
1952	2170.00 32	2170.00 32	2260.00 32	2380.00 31	2470.00 29	2900.00 29	3410.00 29	4430.00 30	6970.00 33
1953	1820.00 27	1870.00 27	1880.00 26	1920.00 26	1970.00 21	2180.00 20	2560.00 21	2830.00 18	3560.00 20
1954	884.00 5	936.00 6	1010.00 6	1210.00 9	1290.00 8	1380.00 8	1380.00 5	1390.00 3	1650.00 2
1955	1340.00 18	1340.00 17	1380.00 13	1510.00 13	1840.00 20	2260.00 23	2340.00 16	2730.00 16	3380.00 17
1956	990.00 7	1010.00 7	1030.00 7	1100.00 7	1370.00 9	2010.00 18	3570.00 30	4380.00 29	5350.00 28
1957	1010.00 9	1040.00 8	1050.00 8	1060.00 6	1100.00 6	1180.00 3	1340.00 4	1620.00 5	2360.00 9
1958	2230.00 33	2230.00 33	2290.00 33	2450.00 32	3310.00 34	3500.00 31	4540.00 33	5620.00 33	10700.00 36
1959	2730.00 34	2730.00 34	2730.00 34	2780.00 34	2940.00 33	3730.00 34	5230.00 35	5890.00 34	9250.00 34
1960	1690.00 25	1690.00 25	1700.00 24	1860.00 24	2040.00 23	2410.00 24	2730.00 24	3010.00 25	4070.00 24
1961	990.00 8	1240.00 13	1470.00 17	1580.00 19	1820.00 19	1830.00 16	1970.00 14	1990.00 9	2310.00 7
1962	2820.00 35	3000.00 35	3160.00 35	3220.00 35	3390.00 35	3710.00 33	3940.00 32	4810.00 31	5490.00 29
1963	1480.00 22	1500.00 20	1510.00 20	1540.00 16	1690.00 16	1780.00 14	1900.00 12	2070.00 12	2460.00 10
1964	860.00 3	860.00 3	869.00 3	922.00 4	1020.00 4	1260.00 6	1330.00 3	1340.00 2	1760.00 5



## 03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1928	76800.00 13	76800.00 12	70600.00 12	61000.00 9	45700.00 8	31300.00 13	28800.00 10	24300.00 13	19100.00 14
1929	58000.00 20	55800.00 20	50600.00 20	40900.00 21	31100.00 22	27600.00 19	24000.00 19	22400.00 16	19900.00 12
1930	104000.00 6	101000.00 5	94200.00 4	81300.00 3	58400.00 3	40500.00 3	33800.00 2	28100.00 3	21700.00 7
1931	16700.00 36	14000.00 37	11700.00 37	7560.00 37	5670.00 37	4710.00 37	4280.00 37	4040.00 37	3760.00 37
1932	46500.00 27	44600.00 26	41500.00 26	34400.00 27	25800.00 26	19800.00 27	17300.00 27	15100.00 28	12700.00 28
1933	103000.00 7	100000.00 7	85900.00 6	64900.00 5	45300.00 10	39100.00 5	33300.00 3	27500.00 4	24100.00 2
1934	20500.00 34	19600.00 34	17100.00 34	13400.00 34	10400.00 34	7490.00 35	5810.00 36	5220.00 36	4300.00 36
1935	49400.00 25	48600.00 25	47200.00 24	42100.00 20	28100.00 24	19500.00 29	17800.00 26	15600.00 26	13700.00 26
1936	93400.00 8	88600.00 8	75000.00 9	50600.00 16	32100.00 20	21600.00 24	19100.00 25	15500.00 27	11400.00 31
1937	73400.00 16	71400.00 16	70100.00 13	61400.00 8	46400.00 7	34600.00 10	26900.00 13	26500.00 7	22400.00 4
1938	76400.00 14	74400.00 13	71000.00 11	63200.00 7	50500.00 4	37500.00 7	29000.00 9	25100.00 11	21700.00 8
1939	106000.00 5	101000.00 6	84300.00 7	59000.00 11	45500.00 9	35200.00 8	31300.00 6	25700.00 9	19900.00 13
1940	26000.00 33	25500.00 33	21800.00 33	18000.00 33	16700.00 33	11800.00 33	10800.00 33	10200.00 33	7910.00 33
1941	16500.00 37	15800.00 36	14700.00 36	11300.00 36	8150.00 36	5900.00 36	5880.00 35	5240.00 35	4370.00 35
1942	50100.00 24	49100.00 24	44700.00 25	36700.00 26	24900.00 29	24300.00 22	22500.00 21	18700.00 22	14800.00 23
1943	186000.00 1	174000.00 1	147000.00 1	108000.00 1	70300.00 2	41100.00 2	32200.00 4	26900.00 6	22200.00 5
1944	81700.00 10	79300.00 11	69200.00 14	59300.00 10	44400.00 13	31700.00 12	26100.00 16	22200.00 17	15400.00 21
1945	52300.00 23	51600.00 23	48700.00 23	37300.00 25	25300.00 27	23400.00 23	21600.00 23	19800.00 20	15200.00 22
1946	38900.00 30	38400.00 30	37000.00 29	33200.00 28	22500.00 30	19800.00 28	19400.00 24	16500.00 24	16000.00 19
1947	54700.00 21	53400.00 21	48900.00 22	37600.00 24	28800.00 23	27500.00 20	23200.00 20	19100.00 21	15500.00 20
1948	71500.00 17	65800.00 17	58500.00 18	48000.00 17	44000.00 14	31000.00 14	26400.00 14	21900.00 18	17000.00 18
1949	66000.00 18	65600.00 18	61800.00 16	58000.00 12	47400.00 5	39300.00 4	30900.00 7	26200.00 8	20500.00 11
1950	120000.00 3	115000.00 3	105000.00 2	104000.00 2	81400.00 1	63800.00 1	51300.00 1	48600.00 1	36800.00 1
1951	91900.00 9	87900.00 9	76800.00 8	57500.00 13	39100.00 15	30200.00 15	26200.00 15	24300.00 14	21900.00 6
1952	43700.00 28	42600.00 28	40200.00 27	39700.00 23	33200.00 19	26800.00 21	26000.00 17	25500.00 10	23100.00 3
1953	38200.00 31	37400.00 31	35300.00 31	29700.00 30	25800.00 25	19900.00 26	16700.00 28	14400.00 30	12300.00 29
1954	18700.00 35	17600.00 35	15700.00 35	12500.00 35	10300.00 35	7990.00 34	7420.00 34	6510.00 34	5240.00 34
1955	31100.00 32	30600.00 32	29100.00 32	24400.00 32	19600.00 32	15800.00 32	13700.00 32	13300.00 31	11700.00 30
1956	39100.00 29	38400.00 29	35400.00 30	29800.00 29	24900.00 28	18500.00 30	15300.00 31	15700.00 25	13100.00 27
1957	79900.00 12	73800.00 14	58500.00 17	44800.00 18	38500.00 17	30200.00 16	28000.00 11	27100.00 5	20600.00 10
1958	125000.00 2	120000.00 2	105000.00 3	75100.00 4	47100.00 6	38500.00 6	30600.00 8	24500.00 12	18900.00 15
1959	107000.00 4	103000.00 4	91100.00 5	64600.00 6	45200.00 11	34700.00 9	31400.00 5	28800.00 2	21600.00 9
1960	46700.00 26	43100.00 27	37600.00 28	28000.00 31	21300.00 31	16500.00 31	15600.00 30	14700.00 29	14000.00 24
1961	74200.00 15	72900.00 15	66100.00 15	51700.00 15	44900.00 12	32600.00 11	27600.00 12	23400.00 15	17700.00 16
1962	53300.00 22	51800.00 22	49000.00 21	40200.00 22	33400.00 18	28700.00 18	24600.00 18	21100.00 19	17600.00 17
1963	64800.00 19	63400.00 19	58000.00 19	44100.00 19	31500.00 21	21300.00 25	16100.00 29	13100.00 32	9730.00 32
1964	81300.00 11	79800.00 10	74200.00 10	55300.00 14	39100.00 16	29100.00 17	22100.00 22	18500.00 23	13700.00 25

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1929	8210.00 13
1930	17300.00 35
1931	3580.00 1
1932	7670.00 11
1933	8880.00 17
1934	9140.00 18
1935	5640.00 5
1936	9330.00 19
1937	11400.00 24
1938	11700.00 26
1939	14400.00 30
1940	6870.00 8
1941	4120.00 2
1942	7170.00 10
1943	9380.00 20
1944	11600.00 25
1945	8350.00 15
1946	13400.00 27
1947	6730.00 7
1948	11300.00 23
1949	14400.00 31
1950	18600.00 36

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1928	13600.00 9
1929	11700.00 15
1930	12300.00 12
1931	2860.00 37
1932	8070.00 27
1933	13900.00 7
1934	3650.00 34
1935	8840.00 24
1936	6900.00 31
1937	15100.00 2
1938	13600.00 8
1939	11500.00 16
1940	4700.00 33
1941	3040.00 36
1942	9530.00 21
1943	14300.00 5
1944	8700.00 25
1945	8670.00 26
1946	10900.00 17
1947	9360.00 22
1948	10300.00 18
1949	12500.00 11

## 03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	17100.00	34
1952	13600.00	28
1953	10300.00	22
1954	4810.00	4
1955	6930.00	9
1956	8480.00	16
1957	6390.00	6
1958	15500.00	32
1959	17100.00	33
1960	9760.00	21
1961	8250.00	14
1962	14100.00	29
1963	7880.00	12
1964	4680.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	22800.00	1
1951	14900.00	4
1952	14100.00	6
1953	7810.00	29
1954	3490.00	35
1955	7870.00	28
1956	9240.00	23
1957	12000.00	13
1958	15000.00	3
1959	13000.00	10
1960	9770.00	20
1961	10100.00	19
1962	11700.00	14
1963	5950.00	32
1964	7650.00	30

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1928	12550.0	6340.0	44490.0	16660.0	24040.0	10270.0	10010.0	5574.0	14310.0	11880.0	3898.0	3218.0
1929	2194.0	2543.0	4290.0	16560.0	7383.0	16490.0	24700.0	29980.0	14510.0	14320.0	5051.0	2082.0
1930	2318.0	6351.0	17010.0	57170.0	18180.0	15490.0	14780.0	7026.0	3289.0	2345.0	1924.0	1690.0
1931	1679.0	1456.0	1919.0	1620.0	2020.0	3291.0	5250.0	3456.0	3390.0	3106.0	2170.0	5047.0
1932	4597.0	6432.0	11620.0	23990.0	14890.0	8200.0	7407.0	6772.0	3086.0	4007.0	2721.0	3198.0
1933	2526.0	4943.0	14900.0	19670.0	10980.0	26020.0	27130.0	44330.0	6635.0	3065.0	2528.0	2751.0
1934	6165.0	2535.0	2555.0	3423.0	2367.0	5634.0	9164.0	2405.0	1492.0	1327.0	3153.0	3530.0
1935	2733.0	4547.0	5015.0	11840.0	7113.0	15420.0	9568.0	27350.0	8671.0	7327.0	3776.0	2160.0
1936	1576.0	4646.0	3235.0	4303.0	10830.0	28170.0	8216.0	13420.0	2988.0	1292.0	1278.0	2765.0
1937	5275.0	18310.0	4128.0	45680.0	22790.0	11570.0	24820.0	16940.0	12920.0	9925.0	5458.0	4040.0
1938	4602.0	2657.0	8748.0	6274.0	17830.0	27050.0	41940.0	9669.0	12130.0	21720.0	7262.0	4061.0
1939	2192.0	2175.0	3228.0	6052.0	23930.0	39750.0	29820.0	8250.0	9211.0	8483.0	4227.0	1608.0
1940	1660.0	1924.0	1625.0	2618.0	3873.0	9459.0	12550.0	10180.0	8065.0	2295.0	1188.0	1059.0
1941	1470.0	1807.0	2746.0	2711.0	2837.0	2645.0	6154.0	3308.0	8031.0	2924.0	1002.0	966.00
1942	3090.0	6355.0	4057.0	3145.0	25850.0	22710.0	19500.0	7636.0	9114.0	4808.0	6496.0	3195.0
1943	2796.0	8878.0	8216.0	14690.0	11130.0	16350.0	7579.0	64810.0	15440.0	7995.0	8220.0	4408.0
1944	2271.0	3288.0	1858.0	1754.0	5016.0	15510.0	40150.0	21690.0	8245.0	2279.0	1413.0	1320.0
1945	1521.0	1646.0	1443.0	1448.0	4663.0	14560.0	24430.0	21590.0	17960.0	5701.0	5034.0	4039.0
1946	13570.0	5759.0	5968.0	20570.0	18420.0	18670.0	6718.0	14840.0	16300.0	5455.0	2738.0	1550.0
1947	1713.0	2962.0	3692.0	7571.0	10310.0	7233.0	20230.0	23770.0	23850.0	4884.0	3225.0	3403.0
1948	2464.0	3055.0	4468.0	9300.0	8105.0	29290.0	31010.0	16600.0	7108.0	6830.0	3085.0	1985.0
1949	1649.0	4920.0	7769.0	43770.0	34660.0	14440.0	10510.0	11260.0	8940.0	7404.0	3804.0	2169.0
1950	9918.0	4275.0	15180.0	77540.0	47990.0	25390.0	39450.0	12130.0	14830.0	10010.0	4045.0	14770.0
1951	7205.0	11380.0	17870.0	20660.0	33290.0	21280.0	22110.0	14060.0	7666.0	16470.0	4475.0	3042.0
1952	3296.0	7072.0	8803.0	25260.0	25810.0	25260.0	25790.0	17230.0	19410.0	5554.0	3577.0	3323.0
1953	2208.0	2492.0	5542.0	7128.0	7298.0	24150.0	14770.0	10390.0	6119.0	8543.0	3290.0	1524.0
1954	1378.0	1405.0	1444.0	1747.0	2938.0	4107.0	9813.0	5491.0	6491.0	2535.0	2685.0	1988.0
1955	6961.0	2982.0	3678.0	14020.0	6860.0	19390.0	12130.0	7708.0	9540.0	6661.0	2791.0	1466.0
1956	6442.0	13240.0	5336.0	2933.0	17100.0	16990.0	8698.0	13980.0	14420.0	7332.0	3245.0	1660.0
1957	1103.0	1445.0	3232.0	5559.0	8088.0	8118.0	36140.0	23110.0	20040.0	27840.0	5462.0	3927.0
1958	5028.0	8624.0	27910.0	12940.0	5588.0	8964.0	7540.0	6833.0	44130.0	24360.0	21330.0	5571.0
1959	3427.0	9113.0	6146.0	12090.0	46100.0	21500.0	21210.0	23160.0	6840.0	4397.0	2675.0	2204.0
1960	3650.0	6369.0	7703.0	11610.0	19190.0	8688.0	19200.0	10520.0	15340.0	8019.0	4960.0	2716.0
1961	2072.0	2211.0	1905.0	1921.0	3751.0	26170.0	26500.0	28840.0	10410.0	4587.0	8549.0	3735.0
1962	3795.0	6834.0	5463.0	15650.0	22920.0	32860.0	11410.0	11050.0	7938.0	15550.0	4109.0	3384.0
1963	3055.0	2586.0	2009.0	1746.0	1998.0	28900.0	11860.0	6423.0	4090.0	4083.0	2600.0	1547.0
1964	1358.0	1630.0	1145.0	2312.0	2659.0	16390.0	36410.0	12540.0	7622.0	6598.0	1933.0	1365.0

## 03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1696.00	2352.00	2651.00	2822.00	4840.00	9212.00
FIFTIETH PERCENTILE					
2733.00	4275.00	4468.00	9300.00	10830.00	16390.00
SEVENTY FIFTH PERCENTILE					
4815.00	6401.00	8482.00	18170.00	22860.00	25330.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
9366.00	7331.00	6738.00	3557.00	2638.00	1634.00
FIFTIETH PERCENTILE					
14780.00	12130.00	8940.00	6598.00	3290.00	2751.00
SEVENTY FIFTH PERCENTILE					
26150.00	21640.00	14670.00	9234.00	4997.00	3633.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1970							3	13	10	11	24	24	NUMBER OF DAYS IN CLASS				21	22	24	34	27	30	23	13	11	13	14	16	10	7	5	2	2	3	2	1
1971					1	3	6	11	19	12	38	24	36	47	38	24	27	11	17	10	7	5	4	5	8	2	3	4	3							
1972								1	6	48	40	15	35	21	20	27	18	14	31	13	15	11	11	8	13	9	3	1	2	4						
1973										2	21	6	12	7	5	13	16	25	30	17	16	17	37	40	32	23	29	10	4	3						
1974											23	33	47	28	4	7	7	8	16	13	17	11	15	20	25	25	28	7	13	8	2	3	1			
1975									14	7	13	21	22	14	24	28	23	20	24	24	27	22	14	37	10	8	5	5	3							
1976						8	10	15	8	19	22	48	46	30	18	13	16	16	15	12	6	9	9	7	9	6	14	2	3	5						
1977	14	13	40	11	17	52	40	19	14	13	9	9	16	12	10	12	8	14	10	7	2	12	9	2												
1978						3	12	17	36	31	17	12	19	41	18	13	14	13	14	18	11	20	6	13	16	10	4	3	4							
1979							14	29	36	15	36	23	25	22	18	15	19	12	7	9	7	7	7	11	26	16	3	5	5	1	2	2				
1980								11	20	47	38	19	30	28	20	23	17	18	10	15	4	8	10	6	21	15	2	3	1							
1981						10	13	8	38	56	21	11	12	8	10	11	6	12	12	15	24	23	22	25	10	3	6	2	2	3	2					
1982						2	20	9	10	7	11	17	22	16	34	21	26	25	22	13	9	8	8	6	11	27	17	7	4	9	4					
1983						26	17	29	13	18	8	2	8	22	25	25	25	18	16	14	10	13	19	9	9	10	16	6	2	2	1	2				
1984						11	26	22	11	19	26	18	19	14	24	29	22	8	9	11	4	8	11	11	12	10	21	9	11							
1985						1	5	29	17	18	17	29	36	36	23	20	23	21	16	6	5	3	6	4	6	5	7	9	3	11	3	1	2	2	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	4700.0	360	4053	69.35	24	26000.0	190	807	13.81
1	1000.0	14	5844	100.00	13	5500.0	330	3693	63.19	25	30000.0	169	617	10.56
2	1200.0	13	5830	99.76	14	6300.0	312	3363	57.55	26	34000.0	198	448	7.67
3	1300.0	40	5817	99.54	15	7200.0	354	3051	52.21	27	39000.0	91	250	4.28
4	1500.0	12	5777	98.85	16	8300.0	299	2697	46.15	28	45000.0	67	159	2.72
5	1800.0	76	5765	98.65	17	9600.0	266	2398	41.03	29	52000.0	48	92	1.57
6	2000.0	134	5689	97.35	18	11000.0	292	2132	36.48	30	60000.0	25	44	0.75
7	2300.0	205	5555	95.05	19	13000.0	210	1840	31.49	31	69000.0	13	19	0.33
8	2700.0	216	5350	91.55	20	15000.0	200	1630	27.89	32	80000.0	3	6	0.10
9	3100.0	330	5134	87.85	21	17000.0	175	1430	24.47	33	92000.0	2	3	0.05
10	3600.0	381	4804	82.20	22	19000.0	208	1255	21.48	34	110000.0	1	1	0.02
11	4100.0	370	4423	75.68	23	22000.0	240	1047	17.92					

## 03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2310.0  
 P90 = 2870.0  
 P75 = 4160.0  
 P70 = 4640.0  
 P50 = 7600.0  
 P25 = 16700.0  
 P10 = 30800.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	2070.00 7	2160.00 7	2270.00 7	2330.00 7	2890.00 9	4200.00 12	4410.00 11	5040.00 10	5550.00 7
1972	1700.00 3	1770.00 3	1960.00 5	2210.00 6	2560.00 7	3160.00 8	3550.00 7	3540.00 4	4610.00 5
1973	2640.00 11	2700.00 11	2820.00 11	3180.00 11	3610.00 12	4410.00 13	5390.00 13	6870.00 14	10100.00 14
1974	3400.00 15	3500.00 14	3640.00 14	3830.00 13	3930.00 13	4150.00 11	4380.00 10	5950.00 11	8260.00 13
1975	2700.00 12	2720.00 12	2740.00 10	2870.00 10	3120.00 10	3630.00 9	3740.00 9	4090.00 7	5830.00 8
1976	3390.00 14	3510.00 15	3860.00 15	4690.00 15	4770.00 14	4870.00 14	6010.00 14	6350.00 13	7870.00 12
1977	1000.00 1	1070.00 1	1140.00 1	1180.00 1	1220.00 1	1290.00 1	1510.00 1	1750.00 1	2030.00 1
1978	1370.00 2	1400.00 2	1460.00 2	1700.00 2	2130.00 3	2410.00 4	3320.00 5	4310.00 8	6850.00 9
1979	2500.00 10	2520.00 10	2560.00 9	2620.00 9	2800.00 8	2990.00 7	3360.00 6	3770.00 6	4430.00 3
1980	2950.00 13	2990.00 13	3080.00 12	3220.00 12	3420.00 11	3870.00 10	4710.00 12	6220.00 12	7160.00 10
1981	1800.00 4	1800.00 4	1800.00 3	1880.00 4	2280.00 5	2740.00 5	3040.00 4	3110.00 3	3670.00 2
1982	2200.00 8	2490.00 9	3210.00 13	3880.00 14	5410.00 15	6520.00 15	7200.00 15	7920.00 15	10700.00 15
1983	2240.00 9	2260.00 8	2410.00 8	2490.00 8	2530.00 6	2910.00 6	3590.00 8	4360.00 9	7490.00 11
1984	1810.00 5	1810.00 5	1830.00 4	1860.00 3	1880.00 2	2000.00 2	2190.00 2	2680.00 2	4480.00 4
1985	1970.00 6	2040.00 6	2150.00 6	2170.00 5	2210.00 4	2350.00 3	2870.00 3	3550.00 5	4960.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	70500.00 6	67000.00 6	60100.00 7	48300.00 5	36200.00 8	27500.00 10	22200.00 12	19700.00 12	15900.00 13
1971	47400.00 15	46300.00 15	43500.00 15	37400.00 13	28900.00 14	21500.00 15	16100.00 15	14100.00 15	11700.00 15
1972	58500.00 9	57100.00 9	51100.00 10	40900.00 11	33100.00 12	23400.00 14	19300.00 14	16600.00 14	15100.00 14
1973	56700.00 10	55400.00 11	49700.00 11	38400.00 12	35000.00 9	31300.00 6	27700.00 5	26000.00 4	26600.00 3
1974	82800.00 2	79500.00 2	70700.00 2	59400.00 3	44900.00 3	37900.00 3	34800.00 2	33000.00 2	29900.00 1
1975	49800.00 13	49000.00 14	44500.00 14	34700.00 15	27700.00 15	25400.00 13	23300.00 9	21200.00 9	19600.00 7
1976	56300.00 11	56000.00 10	53300.00 9	46100.00 7	39900.00 5	29500.00 7	22800.00 10	20700.00 11	16000.00 12
1977	27000.00 16	26000.00 16	23700.00 16	19700.00 16	15300.00 16	12400.00 16	11000.00 16	8920.00 16	7630.00 16
1978	66700.00 7	64900.00 7	61200.00 5	53000.00 4	44700.00 4	33900.00 5	28200.00 4	23600.00 6	19700.00 6
1979	74400.00 4	71200.00 5	62600.00 4	48200.00 6	37700.00 6	34000.00 4	27300.00 6	22100.00 7	19000.00 9
1980	52400.00 12	49900.00 12	44700.00 13	35300.00 14	33700.00 11	27200.00 11	21900.00 13	20900.00 10	16700.00 11
1981	66000.00 8	62000.00 8	55700.00 8	45100.00 8	32500.00 13	27000.00 12	23800.00 8	22100.00 8	18100.00 10
1982	72900.00 5	71800.00 3	69800.00 3	60900.00 2	54200.00 2	47100.00 1	39400.00 1	33800.00 1	27300.00 2
1983	76600.00 3	71600.00 4	60200.00 6	44900.00 9	34400.00 10	29200.00 8	22800.00 11	19200.00 13	19500.00 8
1984	49300.00 14	49100.00 13	48400.00 12	44700.00 10	36700.00 7	28800.00 9	26300.00 7	24500.00 5	20000.00 5
1985	110000.00 1	106000.00 1	89900.00 1	72300.00 1	57800.00 1	41500.00 2	30500.00 3	26500.00 3	20500.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	11900.00 6
1972	7120.00 2
1973	18300.00 14
1974	18100.00 13
1975	15100.00 12
1976	13600.00 10
1977	4700.00 1
1978	10800.00 4
1979	11900.00 5
1980	12000.00 7
1981	8440.00 3
1982	19300.00 15
1983	12700.00 8
1984	13100.00 9
1985	14200.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	11700.00 10
1971	8470.00 15
1972	10500.00 13
1973	19300.00 1
1974	18500.00 2
1975	13300.00 5
1976	10400.00 14
1977	5450.00 16
1978	13900.00 4
1979	12000.00 9
1980	11400.00 12
1981	11500.00 11
1982	17000.00 3
1983	12200.00 8
1984	12300.00 7
1985	12600.00 6

03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	10640.0	15450.0	9317.0	5438.0	12340.0	12080.0	29560.0	24140.0	7889.0	4704.0	5022.0	4420.0
1971	6509.0	7425.0	6700.0	4207.0	22210.0	20610.0	5924.0	7400.0	8821.0	6351.0	2803.0	3796.0
1972	4187.0	3384.0	16700.0	11340.0	5475.0	8954.0	30490.0	16040.0	10550.0	6339.0	3818.0	9069.0
1973	16100.0	29880.0	25480.0	27160.0	16090.0	28930.0	30720.0	12860.0	20410.0	10430.0	9880.0	3999.0
1974	4344.0	7343.0	19780.0	39180.0	32170.0	27050.0	27200.0	27620.0	22700.0	7199.0	3973.0	3997.0
1975	3311.0	6243.0	10530.0	21860.0	24990.0	22370.0	14600.0	14690.0	19770.0	6860.0	6498.0	9169.0
1976	4959.0	4812.0	15160.0	9692.0	31570.0	26630.0	8516.0	4870.0	6940.0	6849.0	3005.0	2583.0
1977	2418.0	2290.0	1485.0	1216.0	3106.0	13050.0	11360.0	7355.0	2131.0	2807.0	8441.0	9610.0
1978	14460.0	7396.0	22710.0	9312.0	4089.0	28920.0	31320.0	20880.0	8976.0	8618.0	5258.0	3374.0
1979	2913.0	4315.0	5812.0	6406.0	7427.0	37340.0	29240.0	10890.0	5865.0	10810.0	17310.0	4719.0
1980	3628.0	6927.0	11890.0	8606.0	8101.0	25150.0	26700.0	7098.0	22280.0	5650.0	6739.0	3830.0
1981	3276.0	3308.0	3561.0	2350.0	10600.0	6838.0	11690.0	32050.0	21070.0	18120.0	11400.0	13740.0
1982	9084.0	6974.0	6260.0	17460.0	32490.0	51250.0	33730.0	12350.0	17920.0	10330.0	4894.0	2815.0
1983	3170.0	7858.0	26160.0	14160.0	10770.0	8374.0	26150.0	30940.0	8753.0	5560.0	2421.0	1892.0
1984	3249.0	5229.0	19370.0	5216.0	22310.0	26020.0	28130.0	17750.0	10720.0	4950.0	3051.0	2316.0
1985	4160.0	8213.0	9329.0	16310.0	22560.0	43380.0	23010.0	7157.0	5959.0	3845.0	4458.0	2993.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3256.00	4439.00	6370.00	5272.00	7596.00	12320.00
FIFTIETH PERCENTILE					
4174.00	6951.00	11210.00	9502.00	14220.00	25590.00
SEVENTY FIFTH PERCENTILE					
8440.00	7750.00	19680.00	17170.00	24380.00	28930.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
12420.00	7366.00	7177.00	5103.00	3243.00	2860.00
FIFTIETH PERCENTILE					
26950.00	13780.00	9763.00	6600.00	4958.00	3914.00
SEVENTY FIFTH PERCENTILE					
30260.00	23330.00	20250.00	9902.00	8016.00	7982.00

## 03342000 WABASH RIVER AT RIVERTON, IN

LOCATION.--Lat 39°01'13", long 87°34'07", in NE¼SW¼ sec.30, T.7 N., R.10 W., Sullivan County, Hydrologic Unit 05120111, on left bank at downstream side of Illinois Central Railroad bridge at Riverton, 0.5 mi downstream from Turtle Creek, and at mile 162.0.

DRAINAGE AREA.--13,161 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1938 to September 1985. Prior to April 1939 monthly discharge only, published in WSP 1305. June 1911 to December 1914 (gage heights only) available in the U.S. Army Corps of Engineers office, Louisville, Ky.

GAGE.--Water-stage recorder. Datum of gage is 414.65 ft above National Geodetic Vertical Datum of 1929. Prior to July 17, 1951, nonrecording gage at same site and datum.

REMARKS.--Flow partially regulated by upstream reservoirs.

AVERAGE DISCHARGE.--47 years, 11,920 ft<sup>3</sup>/s, 12.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 201,000 ft<sup>3</sup>/s May 21, 1943, gage height, 29.36 ft; minimum daily, 858 ft<sup>3</sup>/s Sept. 27-30, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 1913, reached a stage of 26.4 ft, from graph based on once-daily readings by Illinois Central Railroad Co., discharge, 250,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1939				11	7	22	36	29	19	10	21	20	32	28	15	17	7	11	10	7	9	11	14	10	3	3	3	4	3	3					
1940		13	30	63	44	33	11	13	9	13	20	24	28	14	5	8	5	8	5	8	12														
1941	11	29	21	34	14	45	43	58	25	21	19	11	8	8	8	2	3	4	1																
1942	2	2		1	1	5	5	33	36	33	34	32	27	28	20	19	11	8	9	9	6	16	16	8	4										
1943							9	16	14	31	21	22	33	33	38	32	23	15	20	11	6	12	6	4	3	3	2	1	2	2	1	2	1	2	
1944		9	17	25	77	57	27	14	7	5	8	8	4	7	9	13	10	17	16	10	3	4	2	3	9	2	3								
1945		56	61	11	9	4	18	7	10	12	11	9	22	14	23	19	16	10	9	10	7	11	6	8	2										
1946				7	18	8	13	11	15	8	18	25	31	38	21	16	22	16	28	14	19	24	9	4											
1947		3	15	6	5	21	38	26	41	34	18	14	20	12	16	9	11	17	15	10	13	6	5	6	4										
1948			4	3	30	17	37	42	23	20	18	21	15	30	13	14	6	8	14	8	13	5	7	10	3	3	2								
1949			5	16	19	18	11	9	15	12	22	35	36	38	21	11	11	10	6	16	5	10	15	5	11	6	2								
1950					5		3	2	29	31	17	22	20	23	17	15	7	10	12	31	34	10	19	10	13	13	5	5	10	2					
1951						3	10	10	11	26	22	40	33	33	18	8	16	20	27	25	21	18	12	2	2	2	1	4	1						
1952					7	19	13	20	26	19	16	20	16	14	26	27	18	11	11	23	26	28	18	8											
1953			27	4	32	28	10	10	16	33	33	37	30	18	19	12	7	9	10	11	11	3	5												
1954		38	89	6	35	34	37	18	25	14	11	17	13	10	8	5	2	3																	
1955		6	14	7	18	27	23	19	37	22	23	25	21	16	27	24	17	18	7	5	9														
1956		4	14	2	12	15	29	21	24	21	25	23	23	26	28	27	15	12	15	12	6	10	2												
1957		20	34	9	14	9	17	20	15	23	26	16	8	12	14	13	11	13	9	12	16	9	22	9	8	3	3								
1958						10	9	9	28	36	43	35	34	27	19	15	15	9	10	12	15	10	10	4	6	2	2	4	1						
1959			6	3	15	20	24	36	21	34	26	12	7	5	9	13	18	20	16	24	32	4	4	3	5	2	1	2	3						
1960				6	29	19	13	21	18	19	33	33	27	46	37	15	10	8	7	6	8	9	2												
1961			25	19	60	31	6	23	25	18	14	16	19	9	10	8	13	9	9	6	9	12	5	6	8	5									
1962						7	40	30	25	31	32	25	24	26	16	22	19	7	11	13	13	17	3	4											
1963			34	15	69	46	49	22	19	17	14	12	7	6	11	6	8	4	4	3	4	3	3	3	3	3									
1964		7	22	15	75	26	32	14	14	8	19	18	11	9	15	6	11	7	6	10	5	7	12	5	2	2	2	2	4						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	9497	100.00	12	5200.0	535	5219	54.95	24	37000.0	189	503	5.30
1	858.0	20	9497	100.00	13	6100.0	603	4684	49.32	25	44000.0	100	314	3.31
2	1000.0	66	9477	99.79	14	7200.0	551	4081	42.97	26	52000.0	84	214	2.25
3	1200.0	202	9411	99.09	15	8500.0	471	3530	37.17	27	61000.0	52	130	1.37
4	1400.0	536	9209	96.97	16	10000.0	473	3059	32.21	28	71000.0	28	78	0.82
5	1700.0	236	8673	91.32	17	12000.0	374	2586	27.23	29	84000.0	18	50	0.53
6	1900.0	558	8437	88.84	18	14000.0	306	2212	23.29	30	99000.0	23	32	0.34
7	2300.0	509	7879	82.96	19	16000.0	318	1906	20.07	31	120000.0	4	9	0.09
8	2700.0	562	7370	77.60	20	19000.0	258	1588	16.72	32	140000.0	2	5	0.05
9	3200.0	487	6808	71.69	21	23000.0	293	1330	14.00	33	160000.0	1	3	0.03
10	3700.0	539	6321	66.56	22	27000.0	315	1037	10.92	34	190000.0	2	2	0.02
11	4400.0	563	5782	60.88	23	32000.0	219	722	7.60					

## 03342000 WABASH RIVER AT RIVERTON, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1500.0  
P90 = 1810.0  
P75 = 2920.0  
P70 = 3360.0  
P50 = 5990.0  
P25 = 13100.0  
P10 = 28400.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1940	1470.00 10	1490.00 10	1500.00 10	1520.00 10	1590.00 8	1770.00 8	1850.00 7	1810.00 5	2310.00 6
1941	1030.00 3	1030.00 3	1050.00 3	1070.00 3	1190.00 3	1260.00 2	1360.00 1	1450.00 2	1850.00 4
1942	858.00 1	858.00 1	870.00 1	900.00 1	1170.00 2	1250.00 1	1540.00 5	2140.00 8	3230.00 11
1943	2360.00 20	2400.00 20	2480.00 20	2580.00 20	2990.00 20	3240.00 19	3670.00 17	4460.00 18	5830.00 19
1944	1650.00 14	1770.00 15	1880.00 15	2020.00 15	2180.00 15	2210.00 13	2380.00 12	2660.00 12	3030.00 9
1945	1200.00 4	1210.00 4	1230.00 4	1260.00 4	1330.00 4	1410.00 4	1470.00 4	1460.00 3	1540.00 1
1946	2400.00 21	2400.00 21	2540.00 21	2800.00 21	3190.00 21	4620.00 24	5410.00 23	7160.00 24	7130.00 21
1947	1390.00 9	1390.00 9	1420.00 9	1450.00 7	1550.00 7	1720.00 7	2080.00 10	2320.00 10	3040.00 10
1948	1920.00 16	1950.00 16	1970.00 16	2070.00 16	2500.00 18	2830.00 17	3100.00 16	3160.00 14	3800.00 13
1949	1620.00 13	1630.00 13	1700.00 14	1790.00 13	1870.00 13	2160.00 12	2470.00 13	3330.00 16	4560.00 16
1950	1960.00 17	1970.00 17	2020.00 17	2120.00 17	2520.00 19	3190.00 18	4350.00 21	5590.00 21	6280.00 20
1951	3090.00 25	3140.00 25	3440.00 25	3740.00 25	4160.00 25	7260.00 25	8580.00 25	8160.00 25	9960.00 23
1952	2000.00 18	2030.00 18	2170.00 19	2300.00 19	2440.00 17	3280.00 20	3800.00 19	4890.00 19	7520.00 22
1953	2050.00 19	2050.00 19	2070.00 18	2150.00 18	2220.00 16	2460.00 16	2860.00 15	3200.00 15	3870.00 14
1954	1270.00 5	1280.00 5	1320.00 5	1380.00 6	1400.00 6	1420.00 5	1440.00 3	1460.00 4	1740.00 2
1955	1340.00 6	1360.00 7	1380.00 7	1490.00 9	1800.00 10	2130.00 11	2270.00 11	2660.00 11	3320.00 12
1956	1370.00 8	1370.00 8	1380.00 8	1460.00 8	1730.00 9	2300.00 14	3680.00 18	4450.00 17	5380.00 17
1957	1340.00 7	1340.00 6	1340.00 6	1340.00 5	1360.00 5	1420.00 6	1550.00 6	1860.00 6	2550.00 7
1958	2800.00 22	2800.00 22	2860.00 22	3020.00 23	3600.00 24	3870.00 22	4880.00 22	5910.00 22	11900.00 25
1959	2930.00 23	2930.00 23	2950.00 23	3010.00 22	3240.00 22	4390.00 23	6110.00 24	6570.00 23	10100.00 24
1960	1600.00 11	1600.00 11	1620.00 11	1790.00 14	2020.00 14	2330.00 15	2700.00 14	2930.00 13	4050.00 15
1961	1600.00 12	1600.00 12	1640.00 12	1660.00 11	1840.00 11	1870.00 9	2060.00 8	2070.00 7	2310.00 5
1962	2930.00 24	3070.00 24	3340.00 24	3380.00 24	3570.00 23	3830.00 21	4120.00 20	4990.00 20	5680.00 18
1963	1690.00 15	1690.00 14	1690.00 13	1720.00 12	1850.00 12	1990.00 10	2080.00 9	2270.00 9	2670.00 8
1964	900.00 2	900.00 2	907.00 2	976.00 2	1080.00 1	1320.00 3	1380.00 2	1400.00 1	1830.00 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1939	110000.00 4	107000.00 4	89600.00 5	64000.00 6	49400.00 5	39200.00 5	35100.00 2	28800.00 5	22100.00 8
1940	26000.00 24	25100.00 24	23800.00 24	20100.00 24	18400.00 24	12800.00 24	11600.00 24	10800.00 24	8410.00 24
1941	16000.00 26	15300.00 26	14700.00 26	11700.00 26	8380.00 26	6030.00 26	6070.00 26	5390.00 26	4550.00 26
1942	50500.00 17	49300.00 17	44300.00 17	37300.00 18	26500.00 19	25900.00 16	24100.00 15	20100.00 16	16300.00 16
1943	200000.00 1	187000.00 1	158000.00 1	115000.00 1	75400.00 2	44100.00 2	34400.00 3	28700.00 6	23500.00 5
1944	76500.00 9	74800.00 9	67700.00 9	60600.00 8	45600.00 9	32500.00 11	26900.00 13	22900.00 13	16000.00 17
1945	53200.00 16	52000.00 16	49300.00 16	40900.00 16	28700.00 17	25600.00 17	23700.00 16	21900.00 14	16900.00 13
1946	37500.00 22	37300.00 22	35500.00 21	31600.00 20	23200.00 21	20500.00 20	20000.00 18	17100.00 18	16900.00 14
1947	56000.00 14	55100.00 14	50400.00 15	38900.00 17	30200.00 16	29200.00 14	24800.00 14	20600.00 15	16700.00 15
1948	72500.00 11	71100.00 11	65300.00 11	53400.00 12	48400.00 6	33900.00 10	28400.00 10	23700.00 11	18300.00 11
1949	72700.00 10	72000.00 10	68200.00 8	61600.00 7	51500.00 3	43100.00 3	34100.00 4	28900.00 4	22500.00 7
1950	120000.00 3	119000.00 2	111000.00 2	105000.00 2	84200.00 1	67700.00 1	54600.00 1	51700.00 1	39400.00 1
1951	99600.00 6	97200.00 6	86700.00 6	65600.00 5	44800.00 10	34100.00 9	29500.00 8	26900.00 8	23800.00 4
1952	46200.00 18	45500.00 18	43900.00 18	41600.00 15	34900.00 15	28900.00 15	28100.00 11	27300.00 7	24700.00 2
1953	40800.00 20	40200.00 20	38000.00 19	32200.00 19	28500.00 18	21900.00 19	18100.00 19	15600.00 21	13200.00 21
1954	17200.00 25	16400.00 25	14900.00 25	12100.00 25	10300.00 25	8020.00 25	7450.00 25	6560.00 25	5310.00 25
1955	29100.00 23	28500.00 23	27500.00 23	23500.00 23	19000.00 23	15600.00 23	13400.00 23	13000.00 23	11500.00 22
1956	38400.00 21	37600.00 21	34400.00 22	29800.00 21	25000.00 20	18800.00 21	15600.00 22	16000.00 19	13400.00 20
1957	81300.00 7	77400.00 7	67600.00 10	53800.00 11	44800.00 11	35400.00 7	33200.00 5	31900.00 2	23900.00 3
1958	126000.00 2	119000.00 3	106000.00 3	78400.00 3	49900.00 4	41900.00 4	33200.00 6	26600.00 9	20300.00 9
1959	107000.00 5	103000.00 5	91000.00 4	67300.00 4	47300.00 8	36800.00 6	33000.00 7	30400.00 3	22900.00 6
1960	44900.00 19	42900.00 19	37900.00 20	29600.00 22	22500.00 22	17600.00 22	16800.00 21	15700.00 20	15000.00 18
1961	68800.00 12	67800.00 12	63300.00 12	56400.00 9	47800.00 7	34200.00 8	28900.00 9	24300.00 10	18300.00 12
1962	55500.00 15	54700.00 15	52000.00 14	44800.00 14	37200.00 13	31700.00 12	27200.00 12	23300.00 12	19200.00 10
1963	67800.00 13	66100.00 13	60400.00 13	49300.00 13	35500.00 14	23500.00 18	17700.00 20	14500.00 22	10700.00 23
1964	77200.00 8	76100.00 8	71000.00 7	54900.00 10	39100.00 12	29500.00 13	22400.00 17	18600.00 17	13800.00 19

03342000 WABASH RIVER AT RIVERTON, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1940	7580.00	7
1941	4410.00	1
1942	7580.00	8
1943	10200.00	14
1944	12400.00	17
1945	8750.00	12
1946	14400.00	18
1947	7310.00	6
1948	11900.00	16
1949	16000.00	21
1950	19900.00	25
1951	18300.00	23
1952	14600.00	19
1953	11200.00	15
1954	5040.00	3
1955	6760.00	5
1956	8540.00	9
1957	6600.00	4
1958	17800.00	22
1959	18500.00	24
1960	10100.00	13
1961	8650.00	10
1962	15100.00	20
1963	8700.00	11
1964	4920.00	2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1939	12900.00	9
1940	5030.00	24
1941	3210.00	26
1942	10400.00	15
1943	15100.00	5
1944	9190.00	19
1945	9510.00	17
1946	11500.00	11
1947	10100.00	16
1948	11100.00	12
1949	13700.00	7
1950	24300.00	1
1951	16000.00	3
1952	15200.00	4
1953	8330.00	20
1954	3520.00	25
1955	7780.00	21
1956	9420.00	18
1957	13700.00	8
1958	16400.00	2
1959	13800.00	6
1960	10400.00	13
1961	10400.00	14
1962	12700.00	10
1963	6530.00	23
1964	7750.00	22

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1939	2594.0	2633.0	3797.0	6832.0	26610.0	44320.0	33740.0	9417.0	9842.0	8981.0	4985.0	1878.0
1940	1701.0	2068.0	1854.0	2824.0	4276.0	9682.0	13540.0	11140.0	8313.0	2457.0	1367.0	1261.0
1941	1526.0	1840.0	2844.0	2932.0	3055.0	2763.0	6363.0	3435.0	8219.0	3098.0	1215.0	1332.0
1942	3091.0	6859.0	4312.0	3410.0	27120.0	24100.0	21380.0	8642.0	11470.0	5794.0	6635.0	3681.0
1943	3133.0	9518.0	8026.0	15200.0	12170.0	16770.0	8305.0	68010.0	18210.0	8339.0	8327.0	4659.0
1944	2389.0	3701.0	2449.0	2239.0	4907.0	16560.0	40010.0	23360.0	8867.0	2613.0	1875.0	1558.0
1945	1523.0	1569.0	1507.0	1450.0	4472.0	16360.0	27840.0	22780.0	20010.0	6775.0	5679.0	4180.0
1946	13490.0	6937.0	6249.0	21750.0	18970.0	18870.0	7373.0	16910.0	17110.0	6128.0	3001.0	1743.0
1947	1707.0	3167.0	4121.0	8137.0	11160.0	7503.0	20500.0	26440.0	26050.0	5529.0	3453.0	3639.0
1948	2561.0	3142.0	4566.0	10250.0	8304.0	28790.0	37490.0	17400.0	7383.0	7916.0	3520.0	2463.0
1949	1918.0	5613.0	8073.0	46200.0	39390.0	17100.0	11700.0	12000.0	9470.0	7815.0	4633.0	2594.0
1950	10510.0	5064.0	14480.0	80210.0	54530.0	27710.0	41100.0	14940.0	16070.0	11020.0	4202.0	14570.0
1951	7027.0	11010.0	18090.0	21660.0	33370.0	27750.0	24670.0	15220.0	7533.0	17860.0	5401.0	3405.0
1952	3375.0	7642.0	9062.0	24770.0	29140.0	27380.0	27010.0	17940.0	22370.0	6267.0	4156.0	3667.0
1953	2517.0	2629.0	5640.0	7558.0	7519.0	26870.0	15850.0	10780.0	6602.0	8622.0	3488.0	1603.0
1954	1419.0	1437.0	1483.0	1921.0	3013.0	4179.0	9620.0	5826.0	6473.0	2664.0	2415.0	1963.0
1955	6609.0	3146.0	3310.0	13750.0	6424.0	18740.0	12300.0	7873.0	9395.0	6636.0	3081.0	1764.0
1956	6216.0	12920.0	5505.0	2922.0	16400.0	17990.0	9489.0	12840.0	16170.0	7640.0	3666.0	1803.0
1957	1382.0	1654.0	3221.0	5302.0	7997.0	8246.0	41840.0	27880.0	20140.0	36240.0	6135.0	4159.0
1958	5346.0	8965.0	30610.0	16260.0	6273.0	9232.0	7819.0	7708.0	45640.0	27980.0	23680.0	6825.0
1959	4117.0	9327.0	7348.0	12530.0	48650.0	23410.0	21830.0	24930.0	6830.0	4732.0	2746.0	2095.0
1960	3367.0	6303.0	7536.0	12010.0	20700.0	8794.0	21150.0	11170.0	16880.0	9465.0	5157.0	2531.0
1961	2023.0	2351.0	2059.0	1975.0	3462.0	25330.0	23720.0	35980.0	10570.0	4507.0	8746.0	3792.0
1962	3909.0	6761.0	6367.0	15000.0	25840.0	36890.0	13520.0	12300.0	8425.0	15960.0	4771.0	3805.0
1963	3130.0	2848.0	2262.0	1955.0	2058.0	32570.0	12390.0	6998.0	4622.0	4518.0	2766.0	1694.0
1964	1401.0	1680.0	1213.0	2393.0	2634.0	16600.0	33730.0	15790.0	7334.0	6540.0	2163.0	1594.0



## 03342000 WABASH RIVER AT RIVERTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1706.00	2280.00	2402.00	2716.00	4423.00	9570.00
FIFTIETH PERCENTILE					
2843.00	3434.00	4439.00	7848.00	9732.00	18370.00
SEVENTY FIFTH PERCENTILE					
4424.00	7113.00	7659.00	15470.00	26740.00	27460.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
11180.00	9223.00	7496.00	4679.00	2761.00	1731.00
FIFTIETH PERCENTILE					
20830.00	13890.00	9656.00	6706.00	3911.00	2497.00
SEVENTY FIFTH PERCENTILE					
29310.00	22930.00	17390.00	9102.00	5471.00	3795.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
1970							12	4	10	14	33	14	NUMBER OF DAYS IN CLASS										15	11	8	19	17	15	11	5	1	2	2	2	4				
1971			2	2	7	12	14	14	19	27	33	39	45	31	27	12	15	21	4	6	6	3	12	1	3	4	6												
1972					3	4	43	26	24	14	24	33	17	31	14	27	25	9	13	14	8	5	9	10	3	3	3	4											
1973											21	4	10	10	5	22	10	36	28	14	13	35	24	48	23	16	13	24	5	4									
1974								2	18	43	40	15	9	8	9	6	13	16	11	16	14	15	23	15	25	24	16	12	7	3	5								
1975								9	13	11	19	19	33	28	20	17	24	24	30	21	24	24	19	7	7	6	6	4											
1976					6	9	16	4	10	21	32	53	37	26	21	15	12	16	16	7	5	9	7	11	4	4	8	8	2	3	4								
1977	11	34	22	6	14	47	34	34	14	12	18	16	10	12	11	8	13	16	7	5	9	10	2																
1978					5	16	9	42	27	16	11	22	43	10	18	13	14	12	15	10	18	9	14	7	16	7	3	3	5										
1979					15	31	24	13	36	19	27	34	15	14	21	13	8	5	5	7	7	16	20	11	10	6	3	3	2										
1980									10	52	43	29	26	30	24	15	20	19	17	10	7	11	4	6	15	12	13	3											
1981					11	14	6	35	56	30	9	13	5	10	14	8	12	14	24	18	30	19	14	4	6	2	3	2	2	4									
1982						7	16	3	11	9	13	30	21	30	18	38	22	20	12	12	6	6	11	20	10	23	7	6	7	7									
1983				4	22	20	12	22	15	12	5	3	20	20	35	19	23	17	16	11	22	4	7	10	17	13	8	2	2	3	1								
1984					14	30	13	7	16	34	19	14	15	27	24	10	17	14	9	7	6	11	13	10	14	18	10	8	6										
1985					3	10	28	14	15	16	18	33	41	24	27	13	27	15	8	5	4	3	4	10	10	12	3	9	4	2	1	2	2	2	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	5200.0	328	4057	69.42	24	28000.0	146	805	13.77
1	1100.0	11	5844	100.00	13	5900.0	356	3729	63.81	25	32000.0	186	659	11.28
2	1300.0	34	5833	99.81	14	6800.0	331	3373	57.72	26	37000.0	144	473	8.09
3	1500.0	24	5799	99.23	15	7800.0	387	3042	52.05	27	42000.0	151	329	5.63
4	1700.0	18	5775	98.82	16	9000.0	206	2655	45.43	28	49000.0	72	178	3.05
5	1900.0	80	5757	98.51	17	10000.0	362	2449	41.91	29	56000.0	46	106	1.81
6	2200.0	164	5677	97.14	18	12000.0	288	2087	35.71	30	64000.0	33	60	1.03
7	2600.0	146	5513	94.34	19	14000.0	209	1799	30.78	31	74000.0	21	27	0.46
8	2900.0	263	5367	91.84	20	16000.0	167	1590	27.21	32	85000.0	2	6	0.10
9	3400.0	273	5104	87.34	21	18000.0	231	1423	24.35	33	98000.0	2	4	0.07
10	3900.0	413	4831	82.67	22	21000.0	179	1192	20.40	34	110000.0	2	2	0.03
11	4500.0	361	4418	75.60	23	24000.0	208	1013	17.33					

## 03342000 WABASH RIVER AT RIVERTON, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2500.0  
 P90 = 3100.0  
 P75 = 4570.0  
 P70 = 5130.0  
 P50 = 8170.0  
 P25 = 17500.0  
 P10 = 34000.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	2220.00 7	2320.00 7	2440.00 7	2500.00 7	3050.00 9	4370.00 9	4630.00 10	5170.00 10	5520.00 6
1972	1520.00 2	1620.00 3	1830.00 3	2140.00 5	2510.00 5	3110.00 6	3500.00 5	3440.00 4	4680.00 3
1973	2400.00 8	2440.00 8	2620.00 8	3070.00 10	3640.00 10	4620.00 12	5640.00 13	7140.00 14	10200.00 14
1974	3910.00 14	4020.00 14	4120.00 14	4220.00 13	4380.00 13	4500.00 11	4720.00 11	6200.00 12	8570.00 13
1975	3140.00 11	3160.00 11	3220.00 11	3340.00 11	3660.00 11	4630.00 13	4570.00 9	4830.00 8	6400.00 8
1976	4120.00 15	4210.00 15	4330.00 15	4620.00 15	4710.00 14	4740.00 14	5650.00 14	5950.00 11	7670.00 10
1977	1100.00 1	1180.00 1	1250.00 1	1270.00 1	1320.00 1	1390.00 1	1670.00 1	1980.00 1	2180.00 1
1978	1550.00 3	1560.00 2	1650.00 2	1880.00 2	2590.00 6	2710.00 4	3750.00 7	4700.00 7	6950.00 9
1979	2690.00 10	2730.00 10	2730.00 9	2780.00 8	2980.00 7	3170.00 7	3580.00 6	4040.00 6	4880.00 4
1980	3550.00 13	3610.00 13	3840.00 13	3970.00 12	4040.00 12	4480.00 10	5450.00 12	6920.00 13	7820.00 11
1981	2000.00 5	2000.00 5	2000.00 5	2070.00 4	2470.00 4	2940.00 5	3230.00 4	3360.00 3	4040.00 2
1982	3310.00 12	3340.00 12	3450.00 12	4600.00 14	6340.00 15	7330.00 15	7560.00 15	8500.00 15	10900.00 15
1983	2560.00 9	2590.00 9	2840.00 10	2850.00 9	2980.00 8	3340.00 8	4280.00 8	5010.00 9	8460.00 12
1984	1820.00 4	1850.00 4	1910.00 4	1990.00 3	2010.00 2	2170.00 2	2450.00 2	3020.00 2	5110.00 5
1985	2070.00 6	2140.00 6	2270.00 6	2320.00 6	2400.00 3	2530.00 3	3130.00 3	3960.00 5	5620.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	71900.00 7	70700.00 7	65200.00 6	51800.00 9	38500.00 10	29000.00 12	23400.00 13	20800.00 13	16600.00 13
1971	47400.00 15	46700.00 15	44700.00 15	39300.00 15	30300.00 15	22700.00 15	16900.00 15	14900.00 15	12400.00 15
1972	61400.00 11	60300.00 11	56700.00 11	48000.00 11	38300.00 11	26200.00 14	21300.00 14	18200.00 14	16300.00 14
1973	62500.00 10	61400.00 10	56500.00 12	45800.00 12	41300.00 8	35600.00 6	29300.00 7	28700.00 4	28700.00 3
1974	82900.00 2	81600.00 3	75900.00 3	64600.00 4	48800.00 4	41400.00 3	37800.00 2	36200.00 2	32800.00 1
1975	54400.00 13	53500.00 13	49900.00 13	40700.00 14	31600.00 14	28000.00 13	25600.00 8	23100.00 9	20700.00 9
1976	66900.00 9	65900.00 9	62100.00 9	52900.00 7	45800.00 5	32900.00 8	24900.00 11	22100.00 11	17000.00 12
1977	24700.00 16	24200.00 16	23100.00 16	20000.00 16	15300.00 16	12100.00 16	10800.00 16	8850.00 16	7690.00 16
1978	79500.00 4	78700.00 4	74900.00 4	65500.00 3	54700.00 3	40700.00 4	33400.00 3	27500.00 6	23300.00 4
1979	76000.00 6	74200.00 5	68200.00 5	56600.00 5	44600.00 6	40600.00 5	32200.00 5	26000.00 7	22600.00 7
1980	52100.00 14	51100.00 14	46200.00 14	42300.00 13	39700.00 9	30900.00 10	24800.00 12	23300.00 8	18500.00 10
1981	70300.00 8	68900.00 8	63700.00 8	52500.00 8	36900.00 13	29200.00 11	25000.00 9	22700.00 10	18400.00 11
1982	82400.00 3	81800.00 2	78900.00 2	69500.00 2	61700.00 2	52600.00 1	44200.00 1	37800.00 1	30400.00 2
1983	76500.00 5	73700.00 6	64800.00 7	49800.00 10	38000.00 12	31500.00 9	25000.00 10	20900.00 12	21600.00 8
1984	59100.00 12	58600.00 12	57600.00 10	53400.00 6	43600.00 7	34200.00 7	31300.00 6	28700.00 5	23000.00 5
1985	115000.00 1	111000.00 1	98200.00 1	78000.00 1	62000.00 1	44900.00 2	33200.00 4	29200.00 3	22700.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	12400.00 5
1972	7380.00 2
1973	19500.00 14
1974	19400.00 13
1975	16700.00 12
1976	14000.00 8
1977	4820.00 1
1978	11900.00 4
1979	13700.00 6
1980	13700.00 7
1981	9360.00 3
1982	20500.00 15
1983	14200.00 9
1984	14400.00 10
1985	16300.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	12300.00 11
1971	8770.00 15
1972	11100.00 13
1973	20500.00 1
1974	20200.00 2
1975	13900.00 8
1976	10900.00 14
1977	5570.00 16
1978	15900.00 4
1979	14200.00 5
1980	12600.00 10
1981	11700.00 12
1982	18900.00 3
1983	13500.00 9
1984	14100.00 6
1985	13900.00 7

## 03342000 WABASH RIVER AT RIVERTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	10820.0	15530.0	9829.0	5675.0	13130.0	12020.0	29300.0	27860.0	8611.0	4936.0	5274.0	4442.0
1971	6199.0	7280.0	6635.0	4223.0	21680.0	23160.0	6369.0	7699.0	9822.0	6781.0	2862.0	3509.0
1972	4207.0	3241.0	16950.0	11950.0	5834.0	9048.0	33180.0	18960.0	11050.0	6853.0	4021.0	8259.0
1973	15180.0	31150.0	25410.0	30530.0	16340.0	32990.0	33810.0	14360.0	20840.0	11390.0	9867.0	4527.0
1974	4606.0	7051.0	18620.0	42770.0	36600.0	30090.0	30190.0	29800.0	25950.0	8201.0	4337.0	5731.0
1975	3699.0	6785.0	10400.0	23220.0	25650.0	26980.0	15310.0	14950.0	18420.0	8245.0	6014.0	8249.0
1976	4779.0	4758.0	14300.0	9200.0	32400.0	32170.0	9143.0	5265.0	6416.0	7324.0	3086.0	2487.0
1977	2756.0	2651.0	1680.0	1318.0	3041.0	12570.0	11220.0	7593.0	2601.0	3046.0	8613.0	9585.0
1978	15030.0	8053.0	27200.0	10630.0	4474.0	34030.0	38890.0	23440.0	9143.0	9264.0	5326.0	3699.0
1979	3088.0	4661.0	6351.0	7367.0	8516.0	44120.0	35080.0	12140.0	6666.0	13380.0	21940.0	5854.0
1980	4134.0	7181.0	12310.0	9384.0	8308.0	27290.0	32560.0	7955.0	23710.0	6803.0	7265.0	4646.0
1981	3707.0	3665.0	3676.0	2510.0	9753.0	7049.0	10760.0	36220.0	20870.0	17350.0	10960.0	14130.0
1982	8671.0	7775.0	7305.0	18800.0	32570.0	60520.0	38590.0	13210.0	19730.0	11580.0	5935.0	3711.0
1983	3540.0	7756.0	28470.0	17780.0	11480.0	9279.0	27850.0	34240.0	10290.0	6403.0	2732.0	2019.0
1984	3517.0	5847.0	20770.0	5684.0	24950.0	28590.0	36220.0	18750.0	13860.0	5637.0	3559.0	2496.0
1985	4443.0	9339.0	11040.0	18910.0	19110.0	52170.0	24940.0	8262.0	6442.0	4249.0	4960.0	3189.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3580.00	4685.00	6803.00	5677.00	8360.00	12160.00
FIFTIETH PERCENTILE					
4325.00	7116.00	11680.00	10010.00	14740.00	27940.00
SEVENTY FIFTH PERCENTILE					
8053.00	7984.00	20230.00	18880.00	25480.00	33770.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
12240.00	8032.00	7152.00	5829.00	3675.00	3269.00
FIFTIETH PERCENTILE					
29750.00	14660.00	10670.00	7089.00	5300.00	4485.00
SEVENTY FIFTH PERCENTILE					
34760.00	26760.00	20560.00	10860.00	8276.00	7650.00

## 03342100 BUSSEYON CREEK NEAR HYMERA, IN

LOCATION.--Lat 39°12'54", long 87°18'41", in NW¼NW¼ sec.21, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on County Road 900 North, 1.3 mi upstream from East Fork Busseron Creek, 1.9 mi northwest of Hymera, 4.1 mi upstream from West Fork Busseron Creek, and at mile 30.3.

DRAINAGE AREA.--16.7 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to September 1985.

GAGE.--Water-stage recorder. Concrete control since Sept. 12, 1969. Datum of gage is 480.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

AVERAGE DISCHARGE.--19 years, 19.4 ft<sup>3</sup>/s, 15.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft<sup>3</sup>/s Sept. 12, 1974, gage height, 18.58 ft; maximum gage height, 19.16 ft July 8, 1982; no flow at times most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1967	25			1	8	3	24	25	19	11	8	11	8	2	7	11	12	21	18	21	21	21	23	15	14	12	11	2	6	2	2		1		
1968		3		4	2	11	8	13	21	28	48	25	16	18	12	17	9	12	20	9	20	15	17	13	10	4	4	1	2	3		1			
1969				4	12	6	2	2	22	24	17	17	17	13	17	17	22	24	27	20	26	21	14	16	8	2	7	2	1	2	1	1	1		
1970	2	11		11	13		24	12	10	6	10	8	8	12	7	9	18	29	26	18	26	23	16	19	16	17		3	6	2		3			
1971	9		3	4	3	5	5	13	15	17	42	37	23	15	25	24	21	25	16	13	10	10	8	4	3	3	8	3						1	
1972		6	8	14	30	33	20	22	10	3	6	9	12	12	26	25	29	17	12	7	9	10	11	8	7	8	4	1	6			1			
1973			3		2	6	1	2	3	17	6	3	7	17	19	15	11	20	19	19	16	22	36	29	27	24	15	8	9	3	3		2	1	
1974					32	13	11	10	3	3	1	1	2	9	6	5	11	19	16	22	19	34	24	33	23	26	22	11	4	2	1	1	1		
1975	2			14	1	2	2	2	6	10	16	12	8	8	11	10	16	13	13	23	29	37	35	31	28	20	6	4	3		2	1			
1976		24	8	6	4	6	17	6	25	22	11	17	17	7	12	14	12	26	18	21	15	21	13	14	11	12	3	2	1	1					
1977	26	16	35	24	22	22	12	12	9	12	8	11	6	14	12	14	24	11	16	9	6	9	6	6	10	6	5		1	1					
1978	7	6	6	1	4	6	4	3	4	4	7	6	11	24	43	39	28	17	11	13	13	18	24	21	12	14	8	4	4	1	2				
1979	10					5	5	13	10	9	9	17	16	21	14	24	8	32	26	18	14	19	18	14	17	21	12	5	2	2	2	1	1		
1980									2	5	2	10	6	21	21	56	42	26	26	19	20	16	14	22	17	23	11	3	2	1			1		
1981					3	7	6	2	12	17	11	11	9	13	36	52	27	28	36	20	10	12	10	5	8	13	9	4	2		1	1			
1982					2	3	3	7	6	3	17	24	23	24	18	19	29	20	21	19	32	16	21	15	11	12	8	4	2	3	1	2			
1983	46		7	4	6	3	9	10	7	7	13	8	7	9	6	11	10	17	23	33	24	26	14	14	11	13	10	3	7	2	1	2	2		
1984	20	11	2		6	16	10	10	12	10	8	16	15	19	18	13	12	13	12	14	21	27	19	13	14	12	10	5	5	1	1	1			
1985						9	3	6	7	18	18	15	14	31	32	28	26	16	20	29	20	15	20	14	11	2	4	2	3	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	147	6940	100.00	12	0.61	239	5069	73.04	24	38.0	282	941	13.56
1	0.01	74	6793	97.88	13	0.86	274	4830	69.60	25	53.0	267	659	9.50
2	0.02	75	6719	96.82	14	1.2	332	4556	65.65	26	75.0	166	392	5.65
3	0.03	79	6644	95.73	15	1.7	400	4224	60.86	27	110.0	82	226	3.26
4	0.04	142	6565	94.60	16	2.4	366	3824	55.10	28	150.0	65	144	2.07
5	0.06	143	6423	92.55	17	3.4	402	3458	49.83	29	210.0	23	79	1.14
6	0.08	170	6280	90.49	18	4.8	370	3056	44.03	30	290.0	29	56	0.81
7	0.11	164	6110	88.04	19	6.8	354	2686	38.70	31	410.0	10	27	0.39
8	0.16	172	5946	85.68	20	9.5	321	2332	33.60	32	580.0	15	17	0.24
9	0.22	208	5774	83.20	21	13.0	412	2011	28.98	33	820.0	2	2	0.03
10	0.31	220	5566	80.20	22	19.0	343	1599	23.04	34				
11	0.44	277	5346	77.03	23	27.0	315	1256	18.10					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.04  
P90 = 0.09  
P75 = 0.53  
P70 = 0.83  
P50 = 3.4  
P25 = 17.0  
P10 = 51.1

## 03342100 BUSSEY CREEK NEAR HYMER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	0.00 1	0.00 1	0.00 1	0.04 7	0.09 8	0.16 5	0.16 4	0.23 2	1.19 4
1969	0.05 16	0.06 16	0.06 15	0.07 14	0.20 13	0.32 9	0.43 8	0.87 8	2.00 6
1970	0.04 13	0.05 14	0.06 16	0.07 15	0.68 16	0.97 15	2.90 16	6.30 16	8.30 15
1971	0.00 2	0.00 2	0.00 2	0.05 8	0.07 6	0.11 4	0.20 5	0.31 4	0.52 2
1972	0.00 3	0.00 3	0.00 3	0.03 5	0.05 3	0.06 3	0.15 3	0.32 5	1.50 5
1973	0.01 10	0.01 9	0.04 11	0.06 12	0.16 9	0.49 12	1.30 10	1.90 9	5.70 12
1974	0.02 11	0.02 11	0.04 12	0.05 9	0.07 4	0.32 10	0.34 6	3.60 14	17.00 16
1975	0.05 14	0.05 15	0.05 13	0.07 13	0.76 17	2.00 18	8.90 18	16.00 18	18.00 17
1976	0.00 4	0.01 10	0.03 9	0.03 6	0.18 12	0.23 7	1.40 13	2.90 12	3.10 9
1977	0.00 5	0.00 4	0.00 4	0.00 1	0.00 1	0.01 1	0.02 1	0.06 1	0.06 1
1978	0.03 12	0.03 12	0.03 10	0.05 10	0.08 7	0.20 6	1.30 11	3.20 13	5.90 13
1979	0.00 6	0.00 5	0.00 5	0.00 2	0.16 10	0.62 13	1.30 12	2.40 10	2.60 7
1980	0.06 17	0.10 17	0.12 17	0.17 17	0.46 15	0.79 14	1.50 14	4.70 15	7.80 14
1981	0.40 18	0.43 18	0.49 18	0.80 18	1.40 18	1.90 17	2.90 15	2.70 11	5.60 11
1982	0.05 15	0.05 13	0.06 14	0.12 16	0.17 11	0.37 11	0.39 7	0.51 6	0.91 3
1983	0.00 7	0.00 6	0.00 6	0.06 11	0.22 14	1.00 16	4.50 17	12.00 17	18.00 18
1984	0.00 8	0.00 7	0.00 7	0.00 3	0.02 2	0.05 2	0.08 2	0.24 3	5.30 10
1985	0.00 9	0.00 8	0.00 8	0.01 4	0.07 5	0.29 8	0.66 9	0.63 7	2.70 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	583.00 11	421.00 3	237.00 4	124.00 6	70.00 11	43.00 15	39.00 12	37.00 10	36.00 10
1968	642.00 6	361.00 8	201.00 6	107.00 11	61.00 16	45.00 13	37.00 14	36.00 13	32.00 11
1969	828.00 1	619.00 1	315.00 1	202.00 1	124.00 1	72.00 2	55.00 5	52.00 2	39.00 8
1970	349.00 17	265.00 14	161.00 12	99.00 14	60.00 17	41.00 16	38.00 13	37.00 11	29.00 13
1971	580.00 12	254.00 15	162.00 11	110.00 10	67.00 13	38.00 17	28.00 17	21.00 18	15.00 18
1972	415.00 15	195.00 17	172.00 10	122.00 7	75.00 9	45.00 14	33.00 16	25.00 17	18.00 17
1973	822.00 2	382.00 6	310.00 2	165.00 2	119.00 2	80.00 1	60.00 1	54.00 1	53.00 1
1974	683.00 5	286.00 11	149.00 16	105.00 13	78.00 8	54.00 10	51.00 6	46.00 5	46.00 2
1975	502.00 13	278.00 12	157.00 14	92.00 15	67.00 14	60.00 8	56.00 2	50.00 3	40.00 5
1976	235.00 19	117.00 19	71.00 19	44.00 19	38.00 18	29.00 18	25.00 18	26.00 16	19.00 16
1977	241.00 18	137.00 18	89.00 18	52.00 18	30.00 19	25.00 19	18.00 19	14.00 19	12.00 19
1978	399.00 16	223.00 16	141.00 17	114.00 8	68.00 12	46.00 12	44.00 10	33.00 15	31.00 12
1979	585.00 10	394.00 4	228.00 5	140.00 3	82.00 6	69.00 3	51.00 7	44.00 7	39.00 6
1980	611.00 9	302.00 10	157.00 15	80.00 17	63.00 15	52.00 11	36.00 15	35.00 14	28.00 14
1981	624.00 8	274.00 13	158.00 13	134.00 5	93.00 4	58.00 9	40.00 11	37.00 12	26.00 15
1982	770.00 3	390.00 5	185.00 7	106.00 12	85.00 5	68.00 4	56.00 3	47.00 4	41.00 4
1983	741.00 4	534.00 2	263.00 3	135.00 4	110.00 3	61.00 7	49.00 9	40.00 9	45.00 3
1984	486.00 14	338.00 9	174.00 9	92.00 16	80.00 7	65.00 5	50.00 8	41.00 8	36.00 9
1985	629.00 7	367.00 7	185.00 8	111.00 9	70.00 10	65.00 6	55.00 4	45.00 6	39.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	16.00 7
1969	22.00 12
1970	20.00 9
1971	12.00 3
1972	4.00 1
1973	32.00 17
1974	28.00 16
1975	34.00 18
1976	13.00 4
1977	5.30 2
1978	14.00 5
1979	18.00 8
1980	21.00 10
1981	14.00 6
1982	25.00 14
1983	26.00 15
1984	22.00 11
1985	23.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	20.00 9
1968	17.00 12
1969	21.00 8
1970	17.00 13
1971	8.40 18
1972	11.00 16
1973	36.00 1
1974	31.00 2
1975	23.00 6
1976	11.00 17
1977	6.90 19
1978	17.00 14
1979	23.00 7
1980	19.00 10
1981	14.00 15
1982	27.00 3
1983	25.00 4
1984	18.00 11
1985	23.00 5

## WABASH RIVER BASIN

03342100 BUSSEYON CREEK NEAR HYMERA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	*	*	*	*	*	*	*	*	0.16	0.25	0.09	10.00
1967	0.23	7.85	63.50	12.60	20.70	47.10	24.20	40.90	26.30	0.17	0.23	0.10
1968	0.53	0.23	28.70	29.90	23.60	16.70	33.50	55.20	6.61	3.59	1.56	0.46
1969	0.22	2.07	17.60	105.00	27.10	7.23	58.50	6.28	19.00	8.47	1.34	1.56
1970	14.70	33.00	9.18	34.40	30.30	22.90	42.50	18.70	0.67	0.24	1.49	0.10
1971	0.18	0.72	1.63	5.88	67.40	13.30	1.48	4.37	3.24	6.46	0.99	0.32
1972	0.07	0.06	6.18	3.25	3.85	17.30	72.50	4.99	0.86	0.17	6.21	13.80
1973	9.12	72.50	36.80	30.60	20.90	112.00	43.70	4.50	18.00	79.30	3.90	0.17
1974	0.56	21.60	41.90	53.10	26.80	45.80	31.20	66.70	28.60	2.41	3.67	54.40
1975	4.94	20.90	29.50	49.20	66.70	52.30	25.50	10.40	4.84	1.73	7.41	3.47
1976	0.22	8.40	26.80	22.90	11.40	35.50	4.89	1.23	7.72	8.32	0.11	0.02
1977	0.17	0.09	0.03	0.01	11.60	29.60	10.30	2.71	0.22	7.50	15.90	5.21
1978	5.87	5.17	49.60	1.98	1.63	61.80	23.00	43.10	1.66	2.30	7.15	2.15
1979	1.06	1.80	11.30	22.90	46.10	56.30	46.80	5.19	1.28	60.00	25.40	0.46
1980	1.15	12.80	15.60	8.83	16.90	54.00	36.40	2.95	41.10	12.90	4.55	18.90
1981	2.15	3.52	3.73	1.51	27.30	12.80	10.10	86.20	21.80	1.17	0.28	0.48
1982	0.68	0.86	14.60	55.30	65.80	40.40	16.90	26.80	17.60	42.20	1.28	44.30
1983	1.43	5.32	107.00	10.20	19.00	21.80	56.90	43.50	29.60	0.41	0.06	0.05
1984	1.31	14.50	35.90	4.40	20.30	54.70	72.80	14.50	1.15	0.19	1.64	0.15
1985	1.86	23.90	40.10	11.20	46.50	64.00	26.20	35.50	3.22	1.94	24.40	0.76

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.22	0.86	9.18	4.40	16.89	17.30
FIFTIETH PERCENTILE					
1.06	5.32	26.80	12.60	23.60	40.40
SEVENTY FIFTH PERCENTILE					
2.15	20.90	40.10	34.40	46.10	54.70
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
16.89	4.50	1.18	0.29	0.46	0.16
FIFTIETH PERCENTILE					
31.20	14.50	5.72	2.35	1.60	0.62
SEVENTY FIFTH PERCENTILE					
46.80	43.10	21.10	8.43	6.91	8.80

## 03342150 WEST FORK BUSSEMON CREEK NEAR HYMERA, IN

LOCATION.--Lat 39°11'10", long 87°19'44", in NW¼NW¼ sec.32, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on State Highway 4B, 1.4 mi upstream from mouth, 1.5 mi west of Hymera, and 3.7 mi east of U.S. Highway 41.

DRAINAGE AREA.--14.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1966 to September 1985.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 476.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

AVERAGE DISCHARGE.--19 years, 14.0 ft<sup>3</sup>/s, 13.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,930 ft<sup>3</sup>/s July 26, 1973, gage height, 13.23 ft; no flow at times most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1967	8				13	36	39	11	16	3	12	6	5	14	18	11	11	21	30	17	17	22	12	10	10	3	3	5	2	6	3		1			
1968	26		12		8	13	6	7	17	31	19	4	12	44	31	25	18	13	8	14	11	13	11	2	6	5	3	1	2	2	2					
1969			3		9	9	11	12	23	8	10	13	19	30	34	43	24	23	12	15	18	9	8	11	5	6		4	2	2	2					
1970		14		1	3	23	7	23	12	6	10	7	10	17	25	28	18	39	32	27	15	13	12	9	8			2	2	1	1					
1971	32			3			6	5	2	11	15	25	31	28	46	23	31	28	19	17	9	9	8	5	6	1	3	1			1					
1972			1	1	1	12	50	18	22	11	13	15	19	24	30	32	27	19	14	13	6	9	4	8	5		4	3	1	2	1	1				
1973			1	1	10	7	5	8	3	6	8	14	13	13	12	19	37	30	21	33	21	22	26	16	14	7	6	5	3	2	1			1		
1974	4	2			1		2	9	3	21	17	20	5	12	10	10	21	30	30	29	27	33	16	15	10	12	12	3	5	3	1	2				
1975	3	4		1	2	4	2	17	6	17	12	24	12	10	8	8	9	26	34	41	38	24	21	11	10	10	3	2	2	2	2	1	1			
1976			8	1	20	11	18	7	20	11	31	12	19	17	20	9	17	27	29	22	28	7	10	5	3	2	1	6	1	2	2					
1977			2		3	22	55	30	35	24	17	17	22	8	22	16	8	27	17	7	6	7	4	3	3	3	1	3	2			1				
1978									10	15	22	13	20	23	26	42	38	20	26	21	17	15	15	9	8	7	6	4	2	4			1	1		
1979						2	3	22	23	20	24	14	13	28	31	32	22	15	17	16	15	14	10	12	9	9	5	2		2	2	2	1			
1980	3			1		1	1	1	5	9	15	9	11	15	33	30	29	38	31	32	26	21	18	13	7	6	5	2	3					1		
1981				2	1	2	3	7	10	6	12	13	11	15	28	49	25	43	46	23	15	10	8	7	5	2	6	6	4		5			1		
1982							4		8	7	4	13	15	28	30	24	34	30	21	26	22	21	11	17	12	8	12	6	5	2	3	2				
1983	30	3		11		11	7	4	4	6	3	9	12	21	15	13	18	25	31	33	25	20	19	8	12	9	2	3	3	2	3	2	1			
1984	15	6	2	14		22	20	13	6	5	18	9	7	11	13	16	8	14	14	22	24	30	29	19	11	6	1	7		4						
1985		1	3	3	9	15	7	7	7	7	22	10	9	14	21	17	38	20	38	20	18	20	18	7	9	7	3	5	5	4			1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	121	6940	100.00	12	0.58	281	5099	73.47	24	33.0	164	605	8.72
1	0.01	10	6819	98.26	13	0.81	315	4818	69.42	25	46.0	120	441	6.35
2	0.02	38	6809	98.11	14	1.1	477	4503	64.88	26	65.0	96	321	4.63
3	0.03	51	6771	97.56	15	1.6	409	4026	58.01	27	91.0	80	225	3.24
4	0.04	51	6720	96.83	16	2.2	467	3617	52.12	28	130.0	43	145	2.09
5	0.05	166	6669	96.10	17	3.1	464	3150	45.39	29	180.0	46	102	1.47
6	0.08	268	6503	93.70	18	4.4	469	2686	38.70	30	250.0	27	56	0.81
7	0.11	146	6235	89.84	19	6.1	399	2217	31.95	31	350.0	17	29	0.42
8	0.15	239	6089	87.74	20	8.6	383	1818	26.20	32	490.0	10	12	0.17
9	0.21	208	5850	84.29	21	12.0	334	1435	20.68	33	690.0	2	2	0.03
10	0.29	294	5642	81.30	22	17.0	283	1101	15.86	34				
11	0.41	249	5348	77.06	23	24.0	213	818	11.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.06
P90 =	0.11
P75 =	0.51
P70 =	0.78
P50 =	2.5
P25 =	9.3
P10 =	29.2

## 03342150 WEST FORK BUSSEYON CREEK NEAR HYMERA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	0.03 10	0.04 11	0.04 9	0.04 4	0.05 2	0.11 4	0.13 4	0.17 2	0.99 2
1969	0.00 1	0.00 1	0.00 1	0.00 1	0.10 6	0.23 6	0.20 6	0.65 6	1.70 7
1970	0.03 11	0.07 14	0.12 15	0.22 15	0.91 17	2.20 18	4.40 17	6.30 17	7.30 15
1971	0.03 12	0.03 8	0.03 6	0.06 8	0.11 7	0.36 9	0.61 8	0.77 7	1.19 4
1972	0.00 2	0.00 2	0.00 2	0.00 2	0.08 3	0.09 2	0.12 2	0.26 3	1.50 6
1973	0.08 17	0.08 15	0.10 13	0.11 12	0.14 9	0.65 12	0.73 11	1.00 10	2.70 10
1974	0.03 13	0.05 13	0.05 10	0.07 9	0.16 11	0.37 10	0.47 7	1.00 11	10.00 17
1975	0.00 3	0.00 3	0.03 7	0.09 10	0.51 14	2.10 17	8.50 18	15.00 18	16.00 18
1976	0.00 4	0.00 4	0.02 4	0.04 5	0.12 8	0.30 7	0.82 12	1.50 12	2.00 9
1977	0.04 15	0.04 12	0.04 8	0.05 6	0.08 4	0.10 3	0.12 3	0.16 1	0.16 1
1978	0.02 8	0.03 9	0.05 11	0.10 11	0.15 10	0.32 8	1.30 13	2.60 14	4.90 14
1979	0.08 16	0.09 17	0.12 14	0.15 13	0.24 12	0.43 11	0.69 9	0.97 9	1.30 5
1980	0.00 5	0.00 5	0.13 16	0.21 14	0.66 15	0.95 14	1.30 14	3.00 15	4.70 13
1981	0.03 14	0.08 16	0.18 18	0.72 18	1.19 18	1.70 15	2.00 15	2.10 13	4.50 12
1982	0.02 9	0.03 10	0.07 12	0.24 16	0.28 13	0.67 13	0.73 10	0.79 8	1.00 3
1983	0.12 18	0.13 18	0.16 17	0.51 17	0.81 16	2.10 16	3.60 16	5.80 16	8.60 16
1984	0.00 6	0.00 6	0.00 3	0.00 3	0.01 1	0.03 1	0.10 1	0.26 4	3.30 11
1985	0.00 7	0.00 7	0.03 5	0.06 7	0.08 5	0.13 5	0.17 5	0.26 5	1.90 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	503.00 8	337.00 3	206.00 2	111.00 4	59.00 9	36.00 11	28.00 12	31.00 6	27.00 7
1968	390.00 14	240.00 10	143.00 9	74.00 12	39.00 14	30.00 14	26.00 13	27.00 12	22.00 12
1969	425.00 12	251.00 9	119.00 12	106.00 5	61.00 7	37.00 10	30.00 11	30.00 7	24.00 10
1970	340.00 17	129.00 19	88.00 16	51.00 17	32.00 18	21.00 18	21.00 16	19.00 17	16.00 16
1971	344.00 16	140.00 18	90.00 15	56.00 14	34.00 17	21.00 19	15.00 18	13.00 18	9.60 19
1972	480.00 10	190.00 14	161.00 6	104.00 6	61.00 8	35.00 12	26.00 14	20.00 16	15.00 17
1973	692.00 2	260.00 7	166.00 5	79.00 10	53.00 11	42.00 8	35.00 6	32.00 5	32.00 5
1974	550.00 6	280.00 6	130.00 10	100.00 7	70.00 5	46.00 4	44.00 4	38.00 3	38.00 1
1975	521.00 7	251.00 8	124.00 11	77.00 11	58.00 10	54.00 3	48.00 1	42.00 1	34.00 3
1976	293.00 18	173.00 15	80.00 19	46.00 18	39.00 15	25.00 16	22.00 15	22.00 14	17.00 14
1977	402.00 13	166.00 16	85.00 17	45.00 19	27.00 19	21.00 17	15.00 19	11.00 19	9.70 18
1978	500.00 9	303.00 4	183.00 4	129.00 2	70.00 6	44.00 5	39.00 5	30.00 8	26.00 8
1979	794.00 1	512.00 1	265.00 1	139.00 1	82.00 1	66.00 1	47.00 2	37.00 4	36.00 2
1980	664.00 5	234.00 11	112.00 13	54.00 15	35.00 16	27.00 15	20.00 17	21.00 15	17.00 15
1981	677.00 4	284.00 5	146.00 8	119.00 3	73.00 3	44.00 6	31.00 9	30.00 9	21.00 13
1982	445.00 11	207.00 12	156.00 7	89.00 9	70.00 4	57.00 2	47.00 3	40.00 2	32.00 4
1983	689.00 3	406.00 2	192.00 3	99.00 8	77.00 2	43.00 7	34.00 7	28.00 10	31.00 6
1984	240.00 19	165.00 17	83.00 18	52.00 16	49.00 12	41.00 9	33.00 8	28.00 11	24.00 9
1985	363.00 15	200.00 13	110.00 14	68.00 13	49.00 13	34.00 13	30.00 10	25.00 13	23.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	11.00 5
1969	13.00 8
1970	13.00 9
1971	7.60 3
1972	3.60 1
1973	20.00 15
1974	20.00 16
1975	30.00 18
1976	11.00 6
1977	4.20 2
1978	13.00 7
1979	14.00 10
1980	15.00 12
1981	10.00 4
1982	20.00 17
1983	17.00 14
1984	15.00 13
1985	14.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	16.00 7
1968	12.00 12
1969	14.00 8
1970	9.90 15
1971	5.60 19
1972	8.10 17
1973	22.00 2
1974	26.00 1
1975	19.00 5
1976	9.30 16
1977	5.70 18
1978	14.00 9
1979	20.00 3
1980	12.00 13
1981	11.00 14
1982	20.00 4
1983	18.00 6
1984	13.00 11
1985	14.00 10



03342150 WEST FORK BUSSEYON CREEK NEAR HYMERA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	0.25	9.83	52.20	9.46	12.70	40.30	14.50	24.20	23.10	0.15	0.20	0.05
1968	0.27	0.36	15.70	24.70	15.60	15.80	24.00	34.80	4.87	2.71	1.13	0.38
1969	0.17	2.53	12.40	52.40	10.10	6.29	43.80	5.39	18.20	10.50	0.99	3.88
1970	10.60	21.10	5.19	12.00	14.70	12.80	28.80	8.97	1.09	1.25	2.61	0.24
1971	0.92	1.26	2.40	3.70	34.30	8.41	2.66	5.14	3.44	5.88	0.58	0.25
1972	0.09	0.12	8.69	2.28	3.30	10.90	59.70	4.12	2.02	0.81	0.94	5.59
1973	2.95	46.80	27.30	17.80	19.30	48.80	34.40	4.44	18.80	39.50	0.97	0.16
1974	0.73	16.30	33.40	34.90	20.50	37.10	23.20	67.70	18.00	0.77	7.84	50.90
1975	3.76	18.10	23.40	43.60	50.90	48.50	17.90	9.13	3.11	2.22	3.78	1.48
1976	0.26	11.00	21.10	15.20	11.20	37.20	4.26	1.12	6.94	2.54	0.08	0.12
1977	0.25	0.18	0.20	0.09	12.70	22.80	6.98	2.37	0.24	5.17	13.00	5.10
1978	5.09	6.60	33.40	2.43	2.26	66.30	16.00	31.10	1.31	1.97	2.62	0.37
1979	0.64	1.09	5.43	8.80	44.30	53.40	41.10	3.86	0.87	64.20	13.50	1.08
1980	0.85	7.68	8.54	6.96	9.92	26.40	20.90	4.42	32.00	4.45	2.58	16.20
1981	2.57	2.08	2.65	1.30	24.40	11.20	7.47	70.70	10.20	0.77	0.93	0.77
1982	0.84	1.25	13.30	46.00	54.90	33.70	14.20	29.50	8.09	18.80	1.04	17.50
1983	3.11	4.95	74.90	7.21	13.60	15.60	35.50	32.60	22.60	0.54	0.08	0.02
1984	3.08	9.34	19.40	5.85	17.10	35.70	44.90	13.80	0.72	0.25	0.10	0.42
1985	2.40	15.80	24.30	9.67	32.30	27.70	12.00	25.10	1.95	0.95	13.50	0.42

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.26	1.25	5.43	3.70	11.20	12.80
FIFTIETH PERCENTILE					
0.85	6.60	15.70	9.46	15.60	27.70
SEVENTY FIFTH PERCENTILE					
3.08	15.80	27.30	24.69	32.30	40.30
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
12.00	4.42	1.31	0.77	0.58	0.24
FIFTIETH PERCENTILE					
20.90	9.13	4.87	2.22	1.04	0.42
SEVENTY FIFTH PERCENTILE					
35.50	31.10	18.19	5.88	3.78	5.10

## WABASH RIVER BASIN

03342244 MUD CREEK NEAR CASS, IN

LOCATION.--Lat 39°05'55", long 87°15'46", in NE¼NE¼ sec.35, T.8 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on left upstream wingwall of bridge on County Road 100 North, 1.0 mi northeast of Cass, and 2.9 mi above mouth.

DRAINAGE AREA.--9.16 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1981 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 474.73 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow affected by surface-mined areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 441 ft<sup>3</sup>/s Dec. 25, 1982, gage height, 10.89 ft; minimum daily, 0.64 ft<sup>3</sup>/s Sept. 22, 1985.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1982						3	11	4	16	30	37	35	26	29	38	19	17	20	23	10	10	7	7	6	1	4	2	1	3	1	1			2	2
1983			4	8	22	13	17	12	12	21	22	13	18	15	24	27	21	29	25	18	7	7	5	6	2	3	5	2	2	2		2		1	
1984		8	11	7	14	15	27	15	15	15	20	16	14	18	16	13	18	20	21	26	13	10	8	4	7	4	4	1	2	2	1	1			
1985		3	2	1	4	13	22	11	10	13	11	21	27	37	37	27	18	19	20	16	6	5	10	6	8	3	1	4	2	3	2	1	2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	1461	100.00	12	4.9	85	907	62.08	24	45.0	18	84	5.75
1	0.64	11	1461	100.00	13	5.9	99	822	56.26	25	55.0	14	66	4.52
2	0.77	17	1450	99.25	14	7.1	115	723	49.49	26	66.0	12	52	3.56
3	0.93	16	1433	98.08	15	8.6	86	608	41.62	27	79.0	8	40	2.74
4	1.1	40	1417	96.99	16	10.0	74	522	35.73	28	95.0	9	32	2.19
5	1.3	44	1377	94.25	17	12.0	88	448	30.66	29	110.0	8	23	1.57
6	1.6	77	1333	91.24	18	15.0	89	360	24.64	30	140.0	4	15	1.03
7	2.0	42	1256	85.97	19	18.0	70	271	18.55	31	170.0	4	11	0.75
8	2.3	53	1214	83.09	20	22.0	36	201	13.76	32	200.0	2	7	0.48
9	2.8	79	1161	79.47	21	26.0	29	165	11.29	33	240.0	3	5	0.34
10	3.4	90	1082	74.06	22	31.0	30	136	9.31	34	290.0	2	2	0.14
11	4.1	85	992	67.90	23	38.0	22	106	7.26					

VALUE EXCEEDED 'P'	PERCENT OF TIME
P95 =	1.2
P90 =	1.7
P75 =	3.3
P70 =	3.9
P50 =	7.0
P25 =	14.8
P10 =	29.3

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1983	1.60 3	1.70 3	1.90 3	2.70 3	3.30 3	4.90 3	6.50 3	7.20 3	9.00 3
1984	0.86 2	0.92 2	0.94 2	1.00 2	1.10 2	1.60 1	1.80 1	2.30 1	6.50 2
1985	0.68 1	0.69 1	0.72 1	0.85 1	0.95 1	1.70 2	2.60 2	3.70 2	5.60 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1982	303.00 1	135.00 4	94.00 1	54.00 1	34.00 3	31.00 3	25.00 3	24.00 2	21.00 3
1983	249.00 2	139.00 1	78.00 4	48.00 4	39.00 2	29.00 4	25.00 4	21.00 4	22.00 2
1984	173.00 4	136.00 3	81.00 2	54.00 2	42.00 1	35.00 1	28.00 2	24.00 3	20.00 4
1985	236.00 3	138.00 2	78.00 3	52.00 3	33.00 4	31.00 2	30.00 1	25.00 1	24.00 1

03342244 MUD CREEK NEAR CASS, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1983	14.00	2
1984	13.00	1
1985	16.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1982	15.00	1
1983	13.00	3
1984	13.00	4
1985	15.00	2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1981	*	*	*	*	*	*	*	*	*	*	10.70	5.78
1982	9.41	4.46	7.05	22.10	21.30	28.10	12.80	30.20	6.72	14.90	4.13	14.40
1983	6.43	8.50	37.50	9.33	10.90	14.30	25.90	29.80	11.80	3.23	2.23	1.09
1984	8.38	20.60	13.00	3.20	13.00	24.40	40.90	18.60	5.66	5.71	1.38	3.35
1985	4.87	17.80	25.50	11.90	25.70	26.50	18.90	29.40	11.30	3.67	6.03	3.78

## 03342250 MUD CREEK NEAR DUGGER, IN

LOCATION.--Lat 39°06'28", long 87°16'42", in SE¼NE¼ sec.27, T.8 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on County Road 700 East, 0.6 mi north of County Road 100 North, 1.7 mi upstream from mouth, and 2.5 mi northwest of Dugger.

DRAINAGE AREA.--11.9 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 466.41 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Flow affected by surface-mined areas.

AVERAGE DISCHARGE.--15 years, 14.1 ft<sup>3</sup>/s, 16.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,270 ft<sup>3</sup>/s July 27, 1979, gage height, 14.83 ft, from flood mark; minimum daily, 0.40 ft<sup>3</sup>/s Jan. 17, 1977.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1967										1	21	18	41	30	25	13	9	40	55	35	26	7	12	6	6	4	3	4	3	4		1	1		
1968										1	10	20	14	17	22	26	45	68	34	35	18	14	13	7	4	6	4	2	1	3	1		1		
1969								1		1	4	41	28	29	24	21	22	26	21	33	26	20	11	11	10	10	6	6	5	1	1	4		2	
1970												19	23	14	25	30	30	27	66	32	26	17	12	13	9	9	6	4	1	1		1			
1971										14	29	31	14	26	29	51	41	34	25	26	7	13	7	5	4	5		1	1		1				
1972										3	37	64	39	26	24	26	34	38	26	14	8	8	6	4	3	1	2		2				1		
1973											1	37	25	16	14	15	16	18	38	36	38	32	22	20	14	3	10	1	3	2	3		1		
1974											1	32	12	26	23	29	14	27	26	32	47	28	16	17	11	10	4	1	2	4		3			
1975												2	5	14	34	18	27	25	30	48	57	49	17	13	10	4	1	3	5		2	1			
1976							1	22	13	9	26	14	15	33	22	32	36	46	25	22	18	8	5	4	5	2	5	2	1						
1977							1	9	19	18	19	60	32	33	25	22	21	24	28	14	8	13	4	3	3	2	2	2	1		1		1		
1978											7	2	14	40	48	50	48	21	19	23	31	10	15	6	6	7	4	2	2	3	3	2	2		
1979											10	8	13	10	18	35	21	33	45	37	35	14	16	14	12	9	5	9	10	4	4	2		1	
1980										3	10	16	19	48	37	34	37	35	33	25	19	18	9	6	8	2	3	2	2						
1981											8	28	18	24	25	33	26	30	45	23	20	27	13	11	14	1	2	4	4	4	2	1		1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	1.9	319	4737	86.46	24	37.0	105	392	7.15
1	0.12	0	5479	100.00	13	2.4	379	4418	80.64	25	48.0	76	287	5.24
2	0.15	0	5479	100.00	14	3.1	400	4039	73.72	26	61.0	59	211	3.85
3	0.20	0	5479	100.00	15	3.9	427	3639	66.42	27	79.0	42	152	2.77
4	0.25	0	5479	100.00	16	5.1	434	3212	58.62	28	100.0	42	110	2.01
5	0.33	1	5479	100.00	17	6.5	511	2778	50.70	29	130.0	26	68	1.24
6	0.42	11	5478	99.98	18	8.3	480	2267	41.38	30	170.0	15	42	0.77
7	0.54	41	5467	99.78	19	11.0	426	1787	32.62	31	210.0	16	27	0.49
8	0.69	32	5426	99.03	20	14.0	396	1361	24.84	32	270.0	7	11	0.20
9	0.88	59	5394	98.45	21	18.0	255	965	17.61	33	350.0	2	4	0.07
10	1.1	244	5335	97.37	22	23.0	175	710	12.96	34	450.0	2	2	0.04
11	1.5	354	5091	92.92	23	29.0	143	535	9.76					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.3  
P90 = 1.7  
P75 = 3.0  
P70 = 3.5  
P50 = 6.6  
P25 = 13.9  
P10 = 28.6

## 03342250 MUD CREEK NEAR DUGGER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	0.88 4	1.10 7	1.70 12	1.80 9	2.00 10	3.20 10	3.10 7	3.50 8	4.60 7
1969	0.44 2	0.70 2	1.50 8	1.80 10	1.90 8	2.80 8	3.20 9	4.30 10	6.30 10
1970	1.50 12	1.50 12	1.60 11	1.70 8	1.90 9	2.30 6	4.10 12	5.70 13	7.60 13
1971	1.40 11	1.40 10	1.50 9	2.00 11	2.90 12	3.70 12	4.00 10	5.30 11	6.30 11
1972	0.90 5	0.92 5	0.94 3	1.00 2	1.10 2	1.70 2	2.00 2	1.90 2	3.00 2
1973	1.10 7	1.10 6	1.10 5	1.19 4	1.60 4	2.10 5	2.10 4	2.50 5	3.70 4
1974	1.30 9	1.40 11	1.50 10	1.50 7	1.70 5	1.90 3	2.00 3	2.30 3	5.20 8
1975	2.60 14	2.60 14	2.80 14	3.30 14	3.90 14	5.10 14	7.60 14	11.00 14	13.00 14
1976	1.70 13	1.90 13	2.10 13	2.60 13	3.30 13	3.80 13	4.10 11	4.10 9	5.40 9
1977	0.40 1	0.44 1	0.50 1	0.52 1	0.58 1	0.84 1	1.10 1	1.40 1	1.30 1
1978	0.78 3	0.81 3	0.96 4	1.19 5	1.80 6	2.80 9	3.10 8	3.10 6	4.10 5
1979	1.30 10	1.30 8	1.40 6	1.40 6	1.90 7	2.50 7	2.90 6	3.50 7	4.60 6
1980	1.19 8	1.30 9	1.50 7	2.10 12	2.80 11	3.40 11	4.40 13	5.40 12	7.10 12
1981	0.90 6	0.91 4	0.93 2	1.10 3	1.30 3	1.90 4	2.50 5	2.50 4	3.20 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	346.00 4	179.00 5	108.00 5	82.00 5	49.00 7	29.00 8	26.00 9	24.00 9	23.00 8
1968	300.00 7	162.00 7	90.00 7	50.00 10	34.00 13	27.00 9	26.00 10	24.00 10	21.00 9
1969	440.00 3	305.00 1	171.00 2	139.00 2	89.00 1	63.00 2	48.00 2	43.00 1	34.00 2
1970	262.00 9	118.00 11	76.00 11	55.00 9	35.00 11	26.00 10	27.00 8	25.00 8	21.00 10
1971	219.00 13	101.00 13	69.00 12	48.00 11	37.00 9	25.00 12	20.00 12	17.00 12	14.00 12
1972	323.00 6	133.00 10	98.00 6	58.00 8	36.00 10	22.00 13	18.00 13	16.00 14	13.00 14
1973	273.00 8	151.00 8	83.00 9	68.00 6	55.00 5	46.00 5	36.00 5	32.00 4	29.00 3
1974	260.00 10	177.00 6	89.00 8	67.00 7	51.00 6	34.00 7	30.00 7	28.00 7	26.00 6
1975	251.00 11	147.00 9	81.00 10	48.00 12	46.00 8	36.00 6	33.00 6	31.00 6	27.00 4
1976	106.00 15	62.00 15	39.00 15	25.00 15	24.00 15	19.00 15	18.00 14	17.00 13	14.00 13
1977	220.00 12	110.00 12	60.00 13	35.00 14	26.00 14	22.00 14	17.00 15	14.00 15	10.00 15
1978	340.00 5	233.00 3	175.00 1	150.00 1	85.00 2	52.00 3	40.00 3	32.00 5	27.00 5
1979	500.00 1	229.00 4	161.00 3	123.00 3	77.00 3	67.00 1	50.00 1	43.00 2	36.00 1
1980	123.00 14	68.00 14	45.00 14	44.00 13	34.00 12	26.00 11	21.00 11	18.00 11	15.00 11
1981	450.00 2	237.00 2	128.00 4	96.00 4	69.00 4	48.00 4	36.00 4	33.00 3	25.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	13.00 5
1969	20.00 13
1970	15.00 9
1971	13.00 6
1972	5.80 2
1973	16.00 10
1974	14.00 7
1975	22.00 14
1976	12.00 4
1977	5.50 1
1978	14.00 8
1979	17.00 11
1980	17.00 12
1981	7.90 3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	14.00 9
1968	13.00 10
1969	20.00 2
1970	15.00 7
1971	8.90 12
1972	7.70 14
1973	18.00 3
1974	17.00 4
1975	17.00 5
1976	8.40 13
1977	6.20 15
1978	16.00 6
1979	24.00 1
1980	10.00 11
1981	14.00 8

## WABASH RIVER BASIN

03342250 MUD CREEK NEAR DUGGER, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	*	*	*	*	*	*	*	*	3.10	1.97	1.15	4.34
1967	2.09	19.40	34.60	10.20	10.70	26.10	21.90	24.20	13.40	2.96	4.58	2.03
1968	5.02	4.71	18.00	15.00	17.50	21.20	23.20	29.40	10.40	7.83	3.52	3.38
1969	3.35	11.00	35.70	79.20	23.00	7.18	43.30	13.90	6.95	10.10	3.38	2.14
1970	9.94	22.00	11.60	18.60	22.90	17.90	33.10	12.70	12.50	7.04	9.56	3.96
1971	4.23	7.22	7.38	12.50	37.20	10.80	5.46	8.26	5.83	5.69	1.22	3.09
1972	1.65	1.99	12.10	8.50	6.99	9.26	34.70	6.90	3.63	1.81	2.75	2.39
1973	5.15	28.10	20.80	19.30	16.80	52.20	37.00	14.60	17.00	5.55	2.62	1.73
1974	2.35	8.14	19.00	20.60	15.60	22.10	20.20	45.70	19.00	4.39	5.95	26.80
1975	8.06	15.20	18.10	27.70	34.90	37.40	25.30	18.00	8.37	6.39	3.90	4.90
1976	3.79	7.73	17.00	15.40	12.70	23.00	7.99	5.15	3.03	2.23	1.18	1.44
1977	2.00	1.74	1.26	0.59	14.50	25.10	9.01	5.76	3.63	2.27	4.18	4.84
1978	5.62	8.81	33.60	5.41	4.69	79.90	18.20	19.50	6.17	6.39	4.54	2.38
1979	3.04	4.91	24.50	22.60	27.70	67.20	48.80	10.90	14.90	38.40	17.80	4.76
1980	2.81	7.31	11.80	8.83	10.10	30.10	18.90	6.59	5.01	9.04	4.05	6.01
1981	2.37	3.39	2.80	1.47	25.40	11.40	24.00	67.00	14.10	5.95	8.33	5.55
1983	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.35	4.71	11.60	8.50	10.70	11.40
FIFTIETH PERCENTILE					
3.35	7.73	18.00	15.00	16.80	23.00
SEVENTY FIFTH PERCENTILE					
5.15	15.20	24.50	20.60	25.40	37.40
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
18.19	6.90	3.97	2.44	2.65	2.20
FIFTIETH PERCENTILE					
23.19	13.90	7.66	5.82	3.97	3.67
SEVENTY FIFTH PERCENTILE					
34.70	24.19	13.90	7.63	5.61	4.88

## 03342500 BUSSEYON CREEK NEAR CARLISLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	96.00	8
1962	260.00	24
1963	189.00	16
1964	74.00	4
1965	88.00	6
1966	91.00	7
1967	223.00	19
1968	223.00	20
1969	279.00	25
1970	239.00	22
1971	194.00	18
1972	73.00	3
1973	347.00	36
1974	290.00	28
1975	480.00	40
1976	190.00	17
1977	80.00	5
1978	229.00	21
1979	303.00	29
1980	361.00	37
1981	137.00	10
1982	378.00	38
1983	315.00	31
1984	281.00	26
1985	319.00	32

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	155.00	30
1961	188.00	27
1962	203.00	26
1963	140.00	31
1964	81.00	41
1965	106.00	37
1966	92.00	40
1967	256.00	17
1968	244.00	19
1969	272.00	15
1970	221.00	22
1971	137.00	33
1972	130.00	34
1973	369.00	4
1974	394.00	3
1975	336.00	6
1976	139.00	32
1977	95.00	39
1978	290.00	13
1979	447.00	2
1980	209.00	24
1981	217.00	23
1982	322.00	9
1983	344.00	5
1984	252.00	18
1985	332.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	1.39	8.72	3.70	34.10	105.00	211.00	1006.0	71.70	28.00	1.14	7.92	1.25
1945	2.17	6.51	3.83	4.17	67.50	916.00	1102.0	308.00	988.00	120.00	76.50	60.50
1946	98.20	199.00	130.00	271.00	510.00	269.00	40.00	793.00	127.00	8.98	25.20	2.61
1947	9.95	90.70	266.00	356.00	143.00	96.60	821.00	451.00	416.00	14.80	36.30	66.50
1948	18.80	17.30	25.20	414.00	264.00	570.00	530.00	93.30	17.80	133.00	10.60	80.00
1949	34.30	218.00	356.00	1512.0	514.00	655.00	134.00	181.00	138.00	56.20	110.00	64.20
1950	263.00	42.10	514.00	2380.0	1317.0	593.00	373.00	383.00	217.00	29.40	18.10	490.00
1951	24.30	368.00	353.00	449.00	847.00	370.00	364.00	100.00	86.90	122.00	48.90	8.30
1952	113.00	506.00	608.00	309.00	402.00	983.00	651.00	34.90	151.00	11.50	4.97	30.20
1953	1.68	8.08	23.50	98.30	63.90	787.00	237.00	126.00	21.90	8.01	1.89	0.88
1954	1.77	1.09	2.87	9.14	11.30	12.80	35.60	31.60	8.88	0.04	12.70	1.60
1955	8.91	0.94	26.50	112.00	157.00	316.00	322.00	51.00	70.00	67.30	5.42	48.20
1956	40.10	299.00	56.10	25.50	611.00	160.00	215.00	246.00	432.00	41.90	8.00	6.12
1957	3.95	16.20	83.80	125.00	181.00	164.00	938.00	853.00	573.00	282.00	86.80	15.40
1958	15.90	362.00	1222.0	271.00	77.00	195.00	117.00	197.00	583.00	444.00	240.00	24.90
1959	28.20	221.00	59.60	501.00	760.00	298.00	378.00	238.00	211.00	26.70	55.30	30.10
1960	25.80	127.00	280.00	277.00	287.00	293.00	111.00	208.00	195.00	47.40	4.49	2.30
1961	4.33	11.00	9.01	6.36	43.10	499.00	264.00	1203.0	97.90	18.60	63.50	11.80
1962	6.77	52.20	134.00	374.00	370.00	515.00	145.00	535.00	55.40	129.00	47.10	70.70
1963	16.30	42.70	36.80	39.80	19.00	1107.0	172.00	67.50	45.10	105.00	4.87	1.05
1964	4.31	7.68	3.44	19.40	15.00	437.00	354.00	42.20	24.40	51.80	5.33	5.06
1965	7.14	6.10	10.00	17.30	334.00	227.00	170.00	42.90	136.00	247.00	12.30	79.30
1966	8.54	9.09	27.20	112.00	173.00	84.40	327.00	335.00	12.70	2.49	3.43	22.70
1967	12.90	130.00	871.00	180.00	211.00	554.00	314.00	434.00	287.00	16.50	45.40	5.90
1968	20.10	31.80	372.00	245.00	554.00	358.00	544.00	627.00	106.00	36.90	37.00	8.79
1969	5.86	37.80	206.00	874.00	779.00	123.00	787.00	131.00	172.00	145.00	21.60	23.70
1970	124.00	421.00	120.00	279.00	355.00	313.00	636.00	171.00	70.80	132.00	36.70	14.00
1971	20.60	44.70	56.50	158.00	877.00	178.00	48.30	118.00	82.70	81.20	9.64	24.00
1972	9.19	20.70	143.00	80.90	76.10	174.00	876.00	77.40	19.90	8.41	17.70	67.20
1973	82.20	756.00	455.00	394.00	290.00	1121.0	706.00	129.00	261.00	192.00	33.50	8.10
1974	14.40	171.00	476.00	598.00	347.00	548.00	407.00	731.00	704.00	36.50	78.40	627.00
1975	134.00	378.00	396.00	645.00	866.00	800.00	438.00	206.00	78.50	55.50	34.90	34.80
1976	18.10	54.10	331.00	331.00	234.00	462.00	86.80	42.90	24.10	50.70	9.28	11.80
1977	20.70	11.50	8.14	3.64	184.00	515.00	189.00	52.30	28.00	28.40	74.00	35.90
1978	172.00	114.00	662.00	44.60	31.30	1284.0	306.00	585.00	47.00	97.50	76.40	17.50
1979	62.80	45.20	214.00	459.00	768.00	978.00	797.00	124.00	163.00	1101.0	633.00	28.60
1980	27.00	153.00	214.00	157.00	233.00	683.00	516.00	55.70	133.00	174.00	52.30	117.00
1981	39.50	36.80	50.10	26.20	305.00	165.00	226.00	1230.0	396.00	40.50	63.60	29.40
1982	23.20	41.90	227.00	623.00	1063.0	612.00	274.00	293.00	311.00	164.00	16.10	280.00
1983	88.30	114.00	1421.0	205.00	271.00	324.00	708.00	704.00	230.00	25.70	13.20	11.10
1984	59.50	219.00	433.00	47.10	314.00	613.00	965.00	270.00	31.20	57.90	9.74	17.40
1985	22.80	255.00	484.00	323.00	796.00	646.00	636.00	582.00	91.10	24.60	132.00	24.60

## WABASH RIVER BASIN

03342500 BUSSEYON CREEK NEAR CARLISLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
8.19	15.00	27.00	43.40	134.00	207.00
FIFTIETH PERCENTILE					
20.30	48.70	175.00	225.00	289.00	450.00
SEVENTY FIFTH PERCENTILE					
44.90	218.00	405.00	399.00	568.00	648.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
185.00	76.00	41.60	23.10	9.55	8.25
FIFTIETH PERCENTILE					
359.00	202.00	117.00	51.20	29.30	23.80
SEVENTY FIFTH PERCENTILE					
665.00	472.00	238.00	130.00	63.50	61.40



## 03342350 BUTTERMILK CREEK NEAR PAXTON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1		3		7		15		30		60		90		120		183	
1967	237.00	7	214.00	2	140.00	2	78.00	3	46.00	5	39.00	3	36.00	3	32.00	4	29.00	4
1968	318.00	2	207.00	3	135.00	3	74.00	5	53.00	3	37.00	4	36.00	4	36.00	3	31.00	2
1969	350.00	1	314.00	1	172.00	1	120.00	1	78.00	1	48.00	2	41.00	2	40.00	2	31.00	3
1970	282.00	3	143.00	6	89.00	7	64.00	7	40.00	7	32.00	5	31.00	5	28.00	5	24.00	5
1971	266.00	5	123.00	7	95.00	6	66.00	6	46.00	4	29.00	6	23.00	6	20.00	6	16.00	6
1972	268.00	4	146.00	5	120.00	4	75.00	4	45.00	6	27.00	7	21.00	7	17.00	7	15.00	7
1973	262.00	6	171.00	4	103.00	5	81.00	2	71.00	2	58.00	1	46.00	1	43.00	1	42.00	1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	19.00	5
1969	16.00	3
1970	17.00	4
1971	12.00	2
1972	6.70	1
1973	23.00	6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	18.00	2
1968	18.00	3
1969	17.00	4
1970	15.00	5
1971	9.80	6
1972	8.50	7
1973	24.00	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	*	*	*	*	*	*	*	*	2.10	0.58	0.08	1.78
1967	0.35	6.88	42.10	12.70	11.60	35.90	27.70	33.70	29.80	1.56	6.48	0.69
1968	4.52	7.53	29.50	26.00	24.00	34.80	31.60	38.40	7.73	4.04	2.87	1.01
1969	1.00	3.30	14.70	61.70	23.30	7.31	57.70	15.40	8.82	4.52	1.37	0.82
1970	9.84	28.90	9.78	20.30	24.60	21.10	40.00	11.40	7.61	3.72	2.74	2.56
1971	2.30	4.69	4.89	12.10	44.20	14.70	4.99	14.30	6.86	5.56	2.52	3.10
1972	2.69	0.96	18.50	4.85	4.87	10.50	43.60	7.07	2.43	0.84	1.32	4.60
1973	6.52	50.10	39.50	28.50	22.20	67.40	46.00	11.70	8.89	0.90	1.23	0.65
1974	*	*	*	*	21.20	22.40	21.10	*	*	*	*	*

03342360 BUTTERMILK CREEK NEAR SULLIVAN, IN

LOCATION.--Lat 39°03'58", long 87°21'32", in NW¼NE¼ sec.12, T.7 N., R.9 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on County Road 275 East, 3.8 mi east of Sullivan, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--17.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1974 to September 1978 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 446.35 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Flow affected by surface-mined areas and backwater from Busseron Creek. Beginning in May 1978, some of the flow was diverted through a newly dredged ditch south of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 594 ft<sup>3</sup>/s Mar. 14, 1978, gage height, 9.96 ft; minimum daily, 0.03 ft<sup>3</sup>/s Jan. 16, 17, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1975	NUMBER OF DAYS IN CLASS																																		
																12	15	7	43	32	29	23	50	33	30	32	15	13	8	6	8	5	1	3	
1976				1	1		2	6	8	9	9	5	8	11	20	28	33	19	31	49	51	17	17	8	4	8	4	4	2	5	5	1			
1977		2	2	18	18	15	5	14	10	9	12	18	10	20	15	22	30	24	28	11	14	8	18	11	7	10	5	1	5		1	1		1	
1978										1		2	2	5	10	20	41	40	40	34	31	15	27	19	17	15	10	8	7	5	6	4	3	2	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	1461	100.00	12	0.71	20	1294	88.57	24	22.0	58	263	18.00
1	0.03	2	1461	100.00	13	0.94	36	1274	87.20	25	29.0	65	205	14.03
2	0.04	2	1459	99.86	14	1.3	45	1238	84.74	26	39.0	34	140	9.58
3	0.05	19	1457	99.73	15	1.7	82	1193	81.66	27	52.0	26	106	7.26
4	0.07	19	1438	98.43	16	2.2	119	1111	76.04	28	70.0	22	80	5.48
5	0.10	15	1419	97.13	17	3.0	90	992	67.90	29	93.0	16	58	3.97
6	0.13	7	1404	96.10	18	3.9	142	902	61.74	30	120.0	20	42	2.87
7	0.17	20	1397	95.62	19	5.3	126	760	52.02	31	160.0	11	22	1.51
8	0.22	18	1377	94.25	20	7.0	125	634	43.39	32	220.0	4	11	0.75
9	0.30	19	1359	93.02	21	9.3	63	509	34.84	33	290.0	6	7	0.48
10	0.40	21	1340	91.72	22	12.0	112	446	30.53	34	390.0	1	1	0.07
11	0.53	25	1319	90.28	23	17.0	71	334	22.86					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.19
P90 =	0.56
P75 =	2.3
P70 =	2.8
P50 =	5.7
P25 =	15.6
P10 =	38.1

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1976	0.84 3	1.00 3	1.80 3	2.00 3	2.30 3	2.40 2	3.30 3	3.80 2	5.50 3
1977	0.03 1	0.03 1	0.04 1	0.06 1	0.10 1	0.20 1	0.30 1	1.10 1	1.40 1
1978	0.12 2	0.42 2	0.56 2	1.19 2	1.60 2	2.70 3	2.50 2	3.90 3	5.00 2

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1975	389.00 2	235.00 2	136.00 2	83.00 2	78.00 2	63.00 2	57.00 1	53.00 1	45.00 1
1976	178.00 4	129.00 4	68.00 4	38.00 4	34.00 4	27.00 4	27.00 3	25.00 3	19.00 3
1977	330.00 3	164.00 3	99.00 3	60.00 3	45.00 3	35.00 3	25.00 4	19.00 4	14.00 4
1978	563.00 1	362.00 1	263.00 1	199.00 1	112.00 1	69.00 1	56.00 2	43.00 2	37.00 2

03342300 BUSSEYON CREEK NEAR SULLIVAN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1966	*	*	*	*	*	*	*	*	7.21	2.67	1.69	20.80
1967	9.41	75.70	460.00	110.00	135.00	382.00	196.00	277.00	181.00	7.44	17.10	4.51
1968	10.40	11.00	179.00	212.00	230.00	195.00	335.00	417.00	64.10	22.10	15.40	3.59
1969	3.23	19.20	110.00	530.00	276.00	79.90	474.00	80.10	81.80	91.50	14.30	20.90
1970	80.00	238.00	73.50	185.00	218.00	195.00	399.00	124.00	48.60	39.20	29.00	10.40
1971	13.30	25.40	33.20	84.50	537.00	120.00	28.30	70.20	50.40	49.10	6.66	6.85
1972	3.64	17.40	52.50	36.10	38.50	101.00	510.00	52.30	13.30	4.76	10.30	58.60
1973	57.40	453.00	277.00	218.00	181.00	639.00	396.00	82.80	199.00	173.00	21.60	5.33
1974	10.80	105.00	290.00	336.00	199.00	335.00	224.00	409.00	368.00	20.40	44.40	402.00
1975	76.30	216.00	230.00	388.00	472.00	466.00	244.00	130.00	45.70	37.70	29.90	22.40
1976	12.00	43.20	205.00	187.00	125.00	290.00	51.00	24.10	20.40	23.90	4.37	4.48
1977	7.57	6.17	4.96	2.52	102.00	247.00	96.00	30.10	10.40	12.00	43.50	25.20
1978	61.90	83.80	351.00	31.80	18.60	736.00	199.00	342.00	34.10	39.60	50.20	12.60
1979	38.00	27.10	98.30	248.00	399.00	513.00	428.00	62.60	79.80	760.00	249.00	16.20
1980	17.90	81.00	121.00	93.90	130.00	392.00	280.00	34.60	114.00	104.00	37.80	78.70
1981	23.40	21.50	28.90	13.40	200.00	105.00	137.00	704.00	214.00	20.00	20.70	13.40
1982	14.80	26.70	122.00	340.00	658.00	314.00	138.00	196.00	157.00	112.00	9.29	162.00
1983	50.90	64.50	833.00	113.00	153.00	193.00	397.00	385.00	141.00	12.40	7.80	4.88
1984	25.30	115.00	234.00	28.50	173.00	342.00	579.00	173.00	21.70	13.10	7.14	8.63
1985	14.10	138.00	271.00	173.00	446.00	361.00	388.00	444.00	56.70	16.60	94.90	16.60

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
10.40	21.50	73.50	36.10	130.00	193.00
FIFTIETH PERCENTILE					
14.80	64.50	179.00	173.00	199.00	314.00
SEVENTY FIFTH PERCENTILE					
50.90	115.00	277.00	248.00	399.00	392.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
138.00	62.60	24.80	12.60	8.17	5.71
FIFTIETH PERCENTILE					
280.00	130.00	60.40	23.00	18.89	14.80
SEVENTY FIFTH PERCENTILE					
399.00	385.00	153.00	80.90	42.10	24.50

## 03342350 BUTTERMILK CREEK NEAR PAXTON, IN

LOCATION.--Lat 39°03'43", long 87°20'37", in SE¼NW¼ sec.7, T.7 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on left bank at downstream side of bridge, 3 mi northeast of Paxton, and 3 mi upstream from mouth.

DRAINAGE AREA.--16.5 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 450.08 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Flow affected by surface-mined areas. Some of the flow was diverted, by-passing the gage and re-entering the stream about 1,000 ft below the gage, beginning in May 1973.

AVERAGE DISCHARGE.--7 years, 15.5 ft<sup>3</sup>/s, 12.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 442 ft<sup>3</sup>/s Apr. 4, 1968, gage height, 13.02 ft, no flow at times most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1967	2	3	1		2	2	1	9	1	18	11	6	16	13	14	39	25	14	5	7	19	31	27	31	12	11	13	11	3	7	4	7				
1968							1	2	1	1	1	6	7	6	5	17	15	18	36	44	52	39	21	35	12	7	10	10	6	4	4	4	2			
1969										5	3	10	10	21	20	27	32	31	27	35	18	20	20	13	24	16	6	7	4	6	4	3	1	2		
1970									1		1	8	14	8	13	10	18	18	35	42	47	42	24	24	10	17	9	11	3	5	2	2	1			
1971													1	1	8	26	31	80	63	46	27	21	11	12	12	5	6	6	3	4	1		1			
1972	1				2		2	5	7	5	15	18	22	12	20	24	29	30	21	46	29	28	10	10	10	4	6	2	2	3		2	1			
1973	15		5		4		2	3	7	8	7	3	6	9	12	11	16	24	12	11	8	23	25	32	31	28	17	17	9	5	9	4	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	18	2557	100.00	12	0.45	76	2352	91.98	24	20.0	111	450	17.60
1	0.01	3	2539	99.30	13	0.61	70	2276	89.01	25	27.0	88	339	13.26
2	0.02	6	2536	99.18	14	0.84	92	2206	86.27	26	37.0	67	251	9.82
3	0.03	0	2530	98.94	15	1.2	154	2114	82.67	27	51.0	64	184	7.20
4	0.04	8	2530	98.94	16	1.6	166	1960	76.65	28	70.0	30	120	4.69
5	0.05	2	2522	98.63	17	2.2	215	1794	70.16	29	96.0	34	90	3.52
6	0.07	6	2520	98.55	18	3.0	199	1579	61.75	30	130.0	24	56	2.19
7	0.09	19	2514	98.32	19	4.1	231	1380	53.97	31	180.0	22	32	1.25
8	0.13	17	2495	97.58	20	5.6	200	1149	44.94	32	250.0	8	10	0.39
9	0.17	37	2478	96.91	21	7.7	204	949	37.11	33	340.0	2	2	0.08
10	0.24	38	2441	95.46	22	11.0	138	745	29.14	34				
11	0.32	51	2403	93.98	23	14.0	157	607	23.74					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.27
P90 =	0.56
P75 =	1.8
P70 =	2.2
P50 =	4.8
P25 =	13.3
P10 =	36.4

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	0.17 4	0.19 3	0.36 3	0.47 3	0.66 3	2.50 6	2.90 6	3.30 5	6.30 5
1969	0.07 2	0.09 2	0.36 4	0.57 5	0.80 4	1.00 3	1.30 2	1.80 2	2.70 1
1970	0.14 3	0.21 4	0.27 2	0.31 1	0.55 1	0.98 1	1.80 3	3.60 6	6.60 6
1971	0.32 6	0.43 6	0.51 6	0.57 6	1.40 6	2.10 5	2.40 5	2.80 4	3.30 3
1972	0.25 5	0.33 5	0.41 5	0.51 4	0.87 5	1.80 4	2.20 4	2.30 3	3.20 2
1973	0.00 1	0.05 1	0.12 1	0.33 2	0.65 2	0.98 2	1.00 1	1.40 1	3.70 4

## 03342300 BUSSEYON CREEK NEAR SULLIVAN, IN

LOCATION.--Lat 39°04'33", long 87°23'11", in SE¼NW¼ sec.2, T.7 N., R.9 W., Sullivan County, Hydrologic Unit 05120111, on left bank at upstream side of bridge on State Highway 54, 1.5 mi southeast of Sullivan, 1.6 mi east of intersection of U.S. Highway 41 and State Highway 54, 1.7 mi upstream from Buttermilk Creek, and at mile 16.7.

DRAINAGE AREA.--138 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 440.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

REMARKS.--Flow affected by surface-mined areas and U.S. Soil Conservation Service floodwater-retarding structures.

AVERAGE DISCHARGE.--19 years, 152 ft<sup>3</sup>/s, 14.96 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,050 ft<sup>3</sup>/s July 29, 1979, gage height, 16.28 ft; minimum daily, 0.9 ft<sup>3</sup>/s Sept. 8, 1966.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1967					3	11	25	30	18	19	11	17	12	6	12	28	30	22	15	12	20	14	13	8	9	2	8	10	3	5		1	1		
1968		1	15		8	13	13	8	12	30	12	23	22	22	22	27	13	19	22	11	13	10	12	8	7	3	6	2	4	3	1	3	1		
1969				2	20	13	13	10	17	10	12	23	23	23	22	29	26	24	25	20	12	16	9	9	6	7	3	4	3	4		1		2	
1970					2	6	11	22	19	21	15	19	21	15	19	26	33	19	30	35	19	19	10	14	13	8	8	7	2	5	1		1		
1971		3			2	15	8	17	12	17	12	42	48	34	23	24	23	11	15	17	7	7	4	7	4	2	3	4	2	1		1			
1972				8	49	28	41	18	9	17	16	21	11	28	30	21	14	9	10	5	4	5	4	5	4	2		5	1	1					
1973					5	14	13	7	3	11	11	12	13	22	21	26	17	25	32	26	24	20	17	17	5	10	8	3	3						
1974					3		23	8	15	16	16	13	15	10	16	16	25	27	32	25	22	16	16	16	12	11	5	4	1	2					
1975						2	10	14	22	25	12	15	18	15	16	20	26	35	39	30	24	11	8	10	2	4	6		1						
1976					5	15	18	20	16	27	18	26	23	23	14	17	24	18	21	24	14	11	6	8	5	3	5	4	1						
1977			4	22	17	32	40	46	20	11	28	23	19	17	17	11	14	8	7	5	5	6	4	3	2		2	1	1						
1978					4	4	6	8	13	27	45	42	24	20	19	19	20	16	20	15	14	9	11	4	6	5	8	3	1	1	1		1		
1979					1	7	3	13	17	24	12	18	25	28	31	33	22	25	18	12	8	7	12	13	10	6	6	6	2	3		2	1		
1980								4	23	38	28	24	44	21	31	22	20	16	18	18	11	12	16	8	8		4								
1981								13	23	35	50	36	22	30	24	23	18	15	8	14	10	5	7	3	8	8	5	4	2		1	1			
1982					2	4	9	20	14	34	25	17	17	21	19	27	19	28	19	15	13	11	13	6	12	5	9	3	2	1					
1983					18	27	13	6	15	13	22	15	11	19	17	30	23	23	21	19	14	12	12	9	2	9	2	7	3	2	1				
1984				17	17	17	17	18	7	29	27	21	23	12	6	11	20	16	22	20	14	14	9	10	8	4	4	1	1	1					
1985						2	34	11	20	14	17	25	33	27	29	21	24	21	13	15	10	9	12	3	8	6	4	4	2	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6940	100.00	12	16.0	448	4971	71.63	24	370.0	176	719	10.36
1	0.90	0	6940	100.00	13	21.0	370	4523	65.17	25	480.0	142	543	7.82
2	1.2	4	6940	100.00	14	27.0	406	4153	59.84	26	620.0	118	401	5.78
3	1.5	19	6936	99.94	15	35.0	433	3747	53.99	27	810.0	93	283	4.08
4	2.0	50	6917	99.67	16	46.0	392	3314	47.75	28	1100.0	84	190	2.74
5	2.6	157	6867	98.95	17	59.0	399	2922	42.10	29	1400.0	55	106	1.53
6	3.3	186	6710	96.69	18	77.0	372	2523	36.35	30	1800.0	19	51	0.73
7	4.3	251	6524	94.01	19	100.0	354	2151	30.99	31	2300.0	21	32	0.46
8	5.6	244	6273	90.39	20	130.0	347	1797	25.89	32	3000.0	6	11	0.16
9	7.3	312	6029	86.87	21	170.0	289	1450	20.89	33	3900.0	4	5	0.07
10	9.5	277	5717	82.38	22	220.0	239	1161	16.73	34	5100.0	1	1	0.01
11	12.0	469	5440	78.39	23	280.0	203	922	13.29					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.9  
P90 = 5.8  
P75 = 14.0  
P70 = 17.3  
P50 = 42.0  
P25 = 137.0  
P10 = 386.0

## 03342300 BUSSEY CREEK NEAR SULLIVAN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	2.90 8	2.90 7	3.10 6	3.50 6	4.20 6	7.20 7	8.20 7	9.90 7	18.00 2
1969	1.40 2	1.60 2	1.70 1	2.10 1	2.40 1	3.20 1	3.50 1	8.30 2	18.00 3
1970	4.70 13	5.00 13	5.20 12	6.40 12	11.00 15	16.00 13	37.00 16	52.00 16	61.00 14
1971	2.60 6	3.10 8	4.40 10	6.70 13	8.70 12	10.00 10	14.00 11	16.00 8	23.00 6
1972	1.30 1	1.30 1	2.10 3	3.00 3	3.70 4	5.00 3	5.60 3	8.40 4	18.00 4
1973	2.70 7	2.80 6	3.00 5	3.30 5	3.70 5	7.00 6	6.90 5	8.30 3	32.00 10
1974	3.60 9	3.70 10	4.10 8	4.70 9	5.30 8	8.10 8	11.00 8	22.00 13	74.00 16
1975	9.10 17	9.40 17	10.00 17	12.00 17	16.00 18	26.00 17	77.00 18	133.00 18	161.00 18
1976	5.50 14	5.70 14	6.90 15	8.00 14	9.80 13	13.00 12	19.00 12	21.00 11	29.00 9
1977	1.80 3	1.90 3	2.00 2	2.20 2	2.50 2	3.20 2	4.10 2	5.00 1	4.90 1
1978	3.90 12	4.30 12	5.30 13	6.00 11	8.20 10	9.70 9	12.00 9	19.00 10	26.00 8
1979	3.60 10	3.60 9	4.10 9	4.50 8	7.50 9	17.00 14	23.00 15	27.00 14	33.00 11
1980	9.20 18	9.60 18	10.00 18	12.00 18	14.00 17	17.00 15	22.00 14	40.00 15	63.00 15
1981	6.30 15	6.50 15	6.90 14	8.20 16	12.00 16	18.00 16	21.00 13	22.00 12	33.00 12
1982	6.40 16	6.50 16	7.60 16	8.10 15	11.00 14	12.00 11	14.00 10	16.00 9	20.00 5
1983	3.70 11	4.00 11	4.60 11	5.70 10	8.30 11	36.00 18	63.00 17	61.00 17	84.00 17
1984	2.60 4	2.70 5	3.70 7	4.10 7	4.50 7	6.00 4	6.20 4	9.30 5	38.00 13
1985	2.60 5	2.60 4	2.80 4	3.10 4	3.70 3	6.50 5	8.00 6	9.90 6	25.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	3330.00 5	2560.00 5	1650.00 5	874.00 7	513.00 14	321.00 14	304.00 13	286.00 13	269.00 9
1968	3430.00 4	2560.00 6	1510.00 6	805.00 10	461.00 16	379.00 12	330.00 12	323.00 10	263.00 11
1969	4170.00 2	3290.00 2	1750.00 4	1150.00 3	747.00 5	436.00 10	391.00 7	355.00 6	262.00 12
1970	2440.00 13	1640.00 13	1110.00 14	685.00 15	417.00 17	307.00 16	297.00 14	272.00 14	220.00 14
1971	2330.00 14	1590.00 14	1120.00 12	780.00 12	531.00 12	315.00 15	238.00 16	189.00 17	145.00 17
1972	2130.00 15	1560.00 15	1280.00 11	887.00 6	530.00 13	305.00 17	229.00 17	177.00 18	131.00 18
1973	2020.00 16	1460.00 16	956.00 16	792.00 11	686.00 7	529.00 4	411.00 6	371.00 5	360.00 2
1974	2610.00 12	1940.00 12	1110.00 13	691.00 14	604.00 9	396.00 11	365.00 10	343.00 7	347.00 5
1975	2690.00 9	2010.00 10	1100.00 15	651.00 16	575.00 11	470.00 8	441.00 4	392.00 3	333.00 6
1976	1310.00 19	1020.00 19	600.00 19	361.00 19	303.00 18	216.00 18	206.00 18	201.00 16	152.00 16
1977	1430.00 17	1200.00 17	730.00 17	422.00 18	257.00 19	213.00 19	155.00 19	120.00 19	86.00 19
1978	3000.00 8	2640.00 4	1910.00 2	1380.00 2	797.00 3	506.00 5	439.00 5	337.00 8	284.00 8
1979	5740.00 1	5030.00 1	3190.00 1	1710.00 1	990.00 1	624.00 1	462.00 2	399.00 2	403.00 1
1980	1370.00 18	1090.00 18	716.00 18	558.00 17	481.00 15	377.00 13	272.00 15	244.00 15	185.00 15
1981	3080.00 7	2370.00 7	1510.00 7	1030.00 4	756.00 4	503.00 6	360.00 11	320.00 11	229.00 13
1982	2670.00 11	2010.00 11	1290.00 10	847.00 9	720.00 6	557.00 2	449.00 3	379.00 4	310.00 7
1983	3710.00 3	2970.00 3	1810.00 3	999.00 5	859.00 2	495.00 7	386.00 8	330.00 9	352.00 4
1984	2680.00 10	2130.00 9	1300.00 9	748.00 13	583.00 10	469.00 9	378.00 9	320.00 12	266.00 10
1985	3100.00 6	2290.00 8	1450.00 8	872.00 8	607.00 8	553.00 3	513.00 1	411.00 1	353.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	126.00 6
1969	156.00 10
1970	145.00 8
1971	119.00 5
1972	38.00 1
1973	206.00 16
1974	179.00 12
1975	274.00 18
1976	115.00 4
1977	41.00 2
1978	127.00 7
1979	166.00 11
1980	204.00 15
1981	85.00 3
1982	213.00 17
1983	183.00 14
1984	155.00 9
1985	182.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	155.00 9
1968	141.00 12
1969	147.00 10
1970	136.00 13
1971	82.00 17
1972	74.00 18
1973	225.00 3
1974	228.00 2
1975	195.00 6
1976	83.00 16
1977	49.00 19
1978	165.00 8
1979	243.00 1
1980	123.00 15
1981	125.00 14
1982	184.00 7
1983	197.00 5
1984	143.00 11
1985	200.00 4

## 03342500 BUSSEYON CREEK NEAR CARLISLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	32	15341	100.00	12	4.3	571	13879	90.47	24	270.0	558	2865	18.68
1	0.10	45	15309	99.79	13	6.1	712	13308	86.75	25	370.0	520	2307	15.04
2	0.14	0	15264	99.50	14	8.6	738	12596	82.11	26	530.0	410	1787	11.65
3	0.20	27	15264	99.50	15	12.0	1026	11858	77.30	27	740.0	357	1377	8.98
4	0.28	13	15237	99.32	16	17.0	1071	10832	70.61	28	1000.0	485	1020	6.65
5	0.39	78	15224	99.24	17	24.0	1069	9761	63.63	29	1500.0	266	535	3.49
6	0.56	58	15146	98.73	18	34.0	988	8692	56.66	30	2100.0	163	269	1.75
7	0.78	82	15088	98.35	19	48.0	1118	7704	50.22	31	2900.0	76	106	0.69
8	1.1	224	15006	97.82	20	67.0	1057	6586	42.93	32	4100.0	23	30	0.20
9	1.6	210	14782	96.36	21	95.0	904	5529	36.04	33	5800.0	6	7	0.05
10	2.2	322	14572	94.99	22	130.0	982	4625	30.15	34	8200.0	1	1	0.01
11	3.1	371	14250	92.89	23	190.0	778	3643	23.75					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	2.2
P90 =	4.5
P75 =	13.7
P70 =	17.6
P50 =	48.6
P25 =	178.0
P10 =	660.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	0.40 5	0.40 5	0.47 5	0.59 4	0.82 3	1.50 3	3.20 3	3.10 2	3.70 2
1946	2.80 17	2.90 17	3.00 16	4.00 15	6.50 20	46.00 38	72.00 37	86.00 37	106.00 34
1947	0.60 7	0.60 7	0.64 6	1.00 5	1.90 7	2.80 6	10.00 12	11.00 11	29.00 11
1948	0.40 6	0.43 6	0.76 7	1.10 6	3.10 11	17.00 26	19.00 22	30.00 22	30.00 12
1949	1.90 14	2.00 14	2.40 14	5.70 23	8.90 25	16.00 24	41.00 34	44.00 31	61.00 29
1950	6.10 30	6.20 27	7.70 29	14.00 37	36.00 41	79.00 41	76.00 38	93.00 38	106.00 35
1951	2.50 16	2.80 16	3.30 18	4.10 17	5.60 17	17.00 25	84.00 39	138.00 40	150.00 39
1952	2.00 15	2.10 15	2.90 15	4.00 16	4.90 14	26.00 34	42.00 35	64.00 32	69.00 31
1953	1.19 10	1.30 10	1.50 10	1.60 9	1.70 6	3.50 8	9.90 11	10.00 9	13.00 8
1954	0.10 3	0.17 3	0.26 3	0.50 3	0.58 2	1.10 1	1.19 1	1.40 1	1.80 1
1955	0.00 1	0.00 1	0.00 1	0.00 1	0.03 1	1.40 2	3.70 6	3.30 3	4.30 3
1956	0.80 8	0.87 8	1.19 8	1.30 8	1.50 5	5.00 11	29.00 29	40.00 29	47.00 22
1957	1.50 11	1.60 11	1.80 11	2.10 11	2.30 10	4.40 9	5.90 8	8.30 7	24.00 10
1958	7.60 34	7.70 34	8.00 30	8.50 29	13.00 30	15.00 22	25.00 24	66.00 33	193.00 40
1959	11.00 37	11.00 37	12.00 37	13.00 36	15.00 33	26.00 35	26.00 25	83.00 36	121.00 37
1960	5.40 26	6.20 28	6.60 25	8.40 28	16.00 35	25.00 32	28.00 28	34.00 23	50.00 25
1961	1.60 13	1.70 12	1.90 12	2.10 12	2.20 8	2.80 7	3.60 5	5.30 5	6.10 5
1962	3.30 19	3.50 19	4.10 19	4.50 19	5.60 15	8.90 15	11.00 13	24.00 18	34.00 14
1963	5.80 27	6.10 26	6.90 27	9.50 30	11.00 26	18.00 27	23.00 23	34.00 24	36.00 16
1964	0.10 2	0.13 2	0.26 2	0.36 2	0.84 4	2.60 4	3.10 2	3.70 4	5.10 4
1965	1.19 9	1.30 9	1.40 9	1.90 10	3.70 13	5.00 10	5.60 7	5.80 6	8.40 6
1966	1.50 12	1.70 13	2.10 13	3.90 14	6.60 21	6.90 13	13.00 14	27.00 20	41.00 17
1967	0.20 4	0.20 4	0.31 4	1.10 7	2.20 9	2.70 5	3.50 4	9.90 8	17.00 9
1968	3.50 20	3.70 20	4.10 20	4.30 18	5.60 16	13.00 19	17.00 20	22.00 16	42.00 18
1969	4.60 24	4.70 24	4.80 22	5.20 21	5.80 18	7.30 14	7.50 10	18.00 15	35.00 15
1970	8.90 35	9.30 35	9.70 34	12.00 33	19.00 36	22.00 30	51.00 36	79.00 35	103.00 33
1971	6.00 28	7.00 31	8.20 31	8.30 27	12.00 29	15.00 23	19.00 21	25.00 19	47.00 23
1972	4.30 22	4.40 22	6.10 24	6.70 24	8.80 24	14.00 21	14.00 17	16.00 13	31.00 13
1973	3.80 21	4.10 21	4.40 21	5.20 22	7.60 22	13.00 20	13.00 15	14.00 12	44.00 21
1974	6.00 29	6.70 30	6.80 26	7.80 25	8.10 23	11.00 16	14.00 18	34.00 25	92.00 32
1975	12.00 38	12.00 38	14.00 38	18.00 40	29.00 40	47.00 39	148.00 41	215.00 41	270.00 41
1976	10.00 36	10.00 36	11.00 36	12.00 34	15.00 34	19.00 28	27.00 27	29.00 21	43.00 20
1977	2.90 18	3.10 18	3.20 17	3.30 13	3.60 12	5.20 12	6.60 9	11.00 10	11.00 7
1978	5.30 25	5.60 25	10.00 35	12.00 35	14.00 31	26.00 33	26.00 26	37.00 27	54.00 27
1979	6.20 31	6.40 29	7.40 28	8.30 26	11.00 27	23.00 31	36.00 31	43.00 30	57.00 28
1980	14.00 41	16.00 41	18.00 41	20.00 41	23.00 38	27.00 36	37.00 32	71.00 34	111.00 36
1981	12.00 39	14.00 39	15.00 39	17.00 38	24.00 39	32.00 37	38.00 33	38.00 28	53.00 26
1982	13.00 40	14.00 40	15.00 40	18.00 39	19.00 37	22.00 29	30.00 30	36.00 26	42.00 19
1983	7.30 33	7.60 32	8.20 32	10.00 32	15.00 32	63.00 40	115.00 40	106.00 39	143.00 38
1984	6.30 32	7.60 33	8.60 33	9.50 31	11.00 28	12.00 18	13.00 16	18.00 14	66.00 30
1985	4.50 23	4.50 23	4.90 23	5.10 20	5.90 19	11.00 17	15.00 19	24.00 17	50.00 24

## 03342500 BUSSEYON CREEK NEAR CARLISLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	4590.00 8	3710.00 10	2270.00 15	1660.00 12	1030.00 19	612.00 24	462.00 27	355.00 30	240.00 33
1945	5070.00 6	4020.00 7	2930.00 10	1880.00 9	1270.00 10	1020.00 4	833.00 4	837.00 2	592.00 6
1946	2720.00 27	2420.00 27	1720.00 29	1090.00 29	817.00 30	475.00 33	396.00 31	421.00 28	348.00 25
1947	2600.00 29	2170.00 32	1640.00 32	1060.00 30	922.00 24	737.00 18	575.00 19	450.00 24	410.00 19
1948	2780.00 25	2450.00 26	1720.00 30	945.00 33	940.00 23	612.00 25	469.00 25	450.00 25	316.00 28
1949	3720.00 11	3300.00 15	2370.00 13	1990.00 7	1540.00 3	1100.00 3	914.00 2	784.00 3	564.00 10
1950	8500.00 1	7020.00 2	4810.00 1	3400.00 1	2460.00 1	1860.00 1	1440.00 1	1260.00 1	921.00 1
1951	2670.00 28	2540.00 25	1880.00 24	1410.00 20	874.00 26	648.00 23	564.00 21	539.00 17	454.00 16
1952	3540.00 15	3260.00 16	1980.00 23	1850.00 10	1230.00 11	837.00 14	713.00 12	648.00 11	588.00 7
1953	3380.00 18	3330.00 14	2000.00 22	1170.00 27	833.00 29	527.00 28	400.00 30	316.00 32	224.00 36
1954	325.00 42	221.00 42	116.00 42	63.00 42	56.00 42	37.00 42	29.00 42	25.00 42	18.00 42
1955	1800.00 38	1570.00 39	862.00 40	573.00 39	374.00 41	352.00 38	266.00 39	231.00 38	174.00 39
1956	3220.00 21	2890.00 22	1620.00 33	805.00 37	600.00 34	380.00 36	324.00 35	306.00 35	280.00 29
1957	4900.00 7	4500.00 6	3210.00 6	1730.00 11	1200.00 15	907.00 8	793.00 6	673.00 8	502.00 12
1958	5200.00 5	4750.00 5	3320.00 5	2180.00 6	1280.00 9	826.00 16	640.00 16	498.00 20	393.00 21
1959	3100.00 22	2880.00 23	2020.00 21	1240.00 24	1030.00 20	709.00 20	571.00 20	496.00 21	390.00 22
1960	1510.00 41	1130.00 41	809.00 41	550.00 41	443.00 39	338.00 39	291.00 37	297.00 36	244.00 32
1961	8160.00 2	7050.00 1	4710.00 3	2380.00 4	1370.00 7	834.00 15	676.00 13	535.00 18	367.00 23
1962	3340.00 19	2950.00 21	1720.00 31	1060.00 31	730.00 32	500.00 31	501.00 23	464.00 23	348.00 26
1963	3650.00 13	3520.00 12	2190.00 16	1540.00 16	1230.00 12	659.00 22	461.00 28	364.00 29	256.00 30
1964	2570.00 30	2260.00 30	1530.00 34	810.00 35	567.00 35	408.00 35	283.00 38	218.00 40	154.00 41
1965	2310.00 32	2070.00 35	1170.00 38	592.00 38	443.00 40	286.00 41	245.00 41	209.00 41	190.00 37
1966	1730.00 39	1640.00 38	1510.00 35	806.00 36	549.00 36	336.00 40	252.00 40	231.00 39	176.00 38
1967	4460.00 9	3990.00 8	2970.00 8	1640.00 14	960.00 22	575.00 27	467.00 26	480.00 22	444.00 18
1968	3450.00 16	3040.00 19	2270.00 14	1320.00 21	784.00 31	589.00 26	541.00 22	533.00 19	449.00 17
1969	5710.00 4	5340.00 4	3830.00 4	2290.00 5	1530.00 4	883.00 10	739.00 10	663.00 9	488.00 14
1970	2200.00 34	2150.00 33	1760.00 28	1100.00 28	644.00 33	495.00 32	459.00 29	424.00 27	356.00 24
1971	2190.00 35	2180.00 31	1780.00 25	1280.00 22	863.00 27	510.00 30	390.00 33	310.00 33	238.00 34
1972	2300.00 33	2090.00 34	2050.00 20	1550.00 15	901.00 25	523.00 29	392.00 32	308.00 34	236.00 35
1973	2440.00 31	2290.00 29	1770.00 26	1420.00 19	1210.00 13	935.00 7	717.00 11	648.00 10	620.00 3
1974	2740.00 26	2340.00 28	1770.00 27	1210.00 25	1090.00 16	729.00 19	640.00 17	612.00 12	615.00 4
1975	2810.00 24	2740.00 24	2080.00 19	1210.00 26	1070.00 17	841.00 13	770.00 8	687.00 5	582.00 9
1976	1530.00 40	1380.00 40	895.00 39	563.00 40	488.00 38	364.00 37	350.00 34	337.00 31	254.00 31
1977	2100.00 36	1970.00 36	1450.00 36	819.00 34	544.00 37	428.00 34	310.00 36	237.00 37	171.00 40
1978	3700.00 12	3640.00 11	3140.00 7	2410.00 3	1380.00 6	864.00 11	747.00 9	573.00 13	492.00 13
1979	6140.00 3	5870.00 3	4810.00 2	2890.00 2	1700.00 2	1190.00 2	877.00 3	756.00 4	739.00 2
1980	1880.00 37	1770.00 37	1300.00 37	977.00 32	862.00 28	676.00 21	485.00 24	435.00 26	328.00 27
1981	3580.00 14	3510.00 13	2760.00 11	1910.00 8	1360.00 8	886.00 9	632.00 18	547.00 15	396.00 20
1982	3400.00 17	3090.00 18	2150.00 18	1530.00 17	1200.00 14	964.00 5	777.00 7	675.00 6	545.00 11
1983	4040.00 10	3860.00 9	2950.00 9	1650.00 13	1470.00 5	852.00 12	666.00 14	567.00 14	615.00 5
1984	3040.00 23	2980.00 20	2170.00 17	1260.00 23	982.00 21	802.00 17	655.00 15	545.00 16	464.00 15
1985	3260.00 20	3100.00 17	2450.00 12	1490.00 18	1060.00 18	960.00 6	824.00 5	674.00 7	586.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	176.00 14
1946	340.00 34
1947	164.00 13
1948	259.00 23
1949	346.00 35
1950	480.00 41
1951	322.00 33
1952	304.00 30
1953	156.00 12
1954	36.00 1
1955	59.00 2
1956	143.00 11
1957	126.00 9
1958	410.00 39
1959	286.00 27
1960	185.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	122.00 35
1945	304.00 12
1946	205.00 25
1947	230.00 20
1948	181.00 28
1949	332.00 8
1950	548.00 1
1951	258.00 16
1952	316.00 10
1953	116.00 36
1954	11.00 42
1955	98.00 38
1956	175.00 29
1957	276.00 14
1958	315.00 11
1959	230.00 21



### ANNUAL VALUES

1976	16.00	2
1977	7.10	1
1978	19.00	3

1975	27.00	1
1976	11.00	3
1977	8.10	4
1978	23.00	2

[illegible]

## 03342500 BUSSEYON CREEK NEAR CARLISLE, IN

LOCATION.--Lat 38°58'26", long 87°25'33", in NW¼ survey 17, Vincennes Tract, Sullivan County, Hydrologic Unit 05120111, on left bank 10 ft downstream from bridge on State Highway 58, 1.5 mi northwest of Carlisle, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--228 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 425.36 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Nov. 8, 1950, nonrecording gage at same site and datum. Nov. 8, 1950, to Oct. 31, 1969, at site 200 ft upstream at same datum.

REMARKS.--Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas.

AVERAGE DISCHARGE.--42 years, 231 ft<sup>3</sup>/s, 13.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 ft<sup>3</sup>/s Jan. 5, 1950, gage height, 20.05 ft; maximum gage height, 20.30 ft May 9, 1961; no flow many days in 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1944					3	18	22	9	50	25	36	16	9	14	26	24	12	3	9	10	12	11	15	10	10	9	3	2	1	3	3	1			
1945									9	15	34	45	31	18	14	21	17	7	11	8	20	13	17	9	10	12	9	8	14	7	9	6	1		
1946									14	22	14	8	7	5	5	21	31	24	24	20	30	22	26	19	15	16	11	14	9	6	2				
1947					3	8	3	8	11	3	4	15	17	15	19	18	30	18	32	21	23	19	21	10	13	16	7	23	5	3					
1948								4	3	21	34	19	42	29	42	27	18	13	23	13	11	10	3	13	7	20	4	6	4						
1949													7	18	31	27	17	20	33	37	30	36	23	11	12	15	12	9	12	12	3				
1950											4	11	8	4	8	13	20	33	23	20	30	24	22	19	13	16	13	17	29	10	16	6	4	1	1
1951									2	5	10	13	13	8	23	38	21	21	24	24	31	24	22	8	22	12	13	20	8	3					
1952								1	4	23	25	14	11	9	18	18	17	17	12	14	32	30	27	11	12	17	12	27	7	5	3				
1953		1		3	1	4	4	10	29	35	17	12	26	18	12	21	15	17	25	15	17	17	12	9	11	4	9								
1954	26	32		9	3	36	13	36	33	7	25	18	15	15	19	20	13	18	13	7	1	1	1	3	1										
1955	6	10		10	2	7	5	10	27	15	22	16	11	8	8	19	15	28	26	21	19	25	9	12	8	7	5	9	4	1					
1956										5	26	2	3	11	17	33	40	28	26	30	24	25	26	16	15	9	11	1	9	4	4	1			
1957								1	8	19	6	9	8	15	26	37	28	29	29	22	24	23	13	13	10	6	9	7	10	3	2				
1958													9	14	22	17	23	21	45	58	31	29	16	13	13	10	10	10	14	16	3	1	3		
1959													8	14	19	53	27	22	29	26	27	31	24	16	13	14	12	9	7	8	3	3			
1960										14	18	14	12	11	8	16	15	29	20	47	36	26	26	19	15	7	13	8	11	1					
1961									10	23	26	42	57	25	17	14	20	17	14	10	12	17	20	10	8	6	3	4	4	1	1	1	1	3	
1962										6	13	17	32	22	28	31	27	24	21	26	40	22	10	10	7	9	10	6	2	2					
1963																																			
1964	2		2	3	5	3	2	7	2	3	18	22	19	32	51	42	23	31	29	8	11	5	11	7	6	2	5	4	3	4	3				
1965					1	4	23	14	27	25	28	42	34	27	25	11	14	14	11	13	8	3	5	3	1	3	3	2							
1966																																			
1967			3	1	5	2	8	20	12	14																									
1968																																			
1969																																			
1970																																			
1971																																			
1972																																			
1973																																			
1974																																			
1975																																			
1976																																			
1977																																			
1978																																			
1979																																			
1980																																			
1981																																			
1982																																			
1983																																			
1984																																			
1985																																			

## 03343000 WABASH RIVER AT VINCENNES, IN

LOCATION.--Lat 38°42'19", long 87°31'14", T.3 N., R.10 W., Lawrence County, IL, Hydrologic Unit 05120111, on right bank 30 ft east of Illinois State Highway 33, 300 ft upstream from Kelso Creek, 570 ft downstream from U.S. Highway 50 bridge, 5.1 mi downstream from Maria Creek, 7.5 mi upstream from Embarras River and at mile 129.6.

DRAINAGE AREA.--13,706 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1929 to September 1985. Prior to December 1929 monthly discharge only, published in WSP 1305.

Gage-height records for flood peaks in 1867 and 1883, intermittent records 1887-1904, and continuous since November 1904, collected at site 1.8 mi downstream, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 394.43 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1968, to June 19, 1979, recording gage at site 570 ft upstream at same datum. Oct. 1, 1960, to September 30, 1968, nonrecording gage at site 1.8 mi downstream at same datum. Oct. 1, 1960, to Sept. 30, 1968, auxiliary water-stage recorder at site 2.8 mi upstream from base gage at datum 0.80 ft lower. See WSP 1725 for history of changes prior to Oct. 1, 1960.

REMARKS.--Flow partially regulated by upstream reservoirs.

AVERAGE DISCHARGE.--56 years, 12,060 ft<sup>3</sup>/s, 11.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 189,000 ft<sup>3</sup>/s May 22, 23, 1943, gage height, 29.33 ft, at former site 1.8 mi downstream and at present datum; minimum daily, 770 ft<sup>3</sup>/s Aug. 4, 5, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1913, reached a stage of 26.3 ft, at former site 1.8 mi downstream and at present datum, from floodmarks, determined by U.S. Army Corps of Engineers, discharge, 255,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
NUMBER OF DAYS IN CLASS																																				
1930						27	44	36	29	10	7	17	10	24	10	16	21	10	14	13	21	10	6	17	4	2	2	7	5	3						
1931			3	34	52	67	47	16	28	49	32	16	5	8	2	1	2	1	1	1																
1932					9	23	21	29	25	22	20	18	35	24	33	23	16	18	13	16	6	3	5	7												
1933					18	20	19	26	24	19	17	19	13	17	15	14	15	16	12	10	10	36	14	10	11	1	4	5								
1934	9	7	13	12	17	17	34	60	48	43	36	14	6	9	10	9	8	5	5	3																
1935				1	4	36	11	13	9	20	25	14	18	44	29	30	27	21	18	7	10	5	7	5	11											
1936			25	18	39	22	9	14	25	39	23	24	24	16	20	7	6	13	8	5	6	10	2	2	1	2	2	4								
1937							1	11	22	27	21	26	21	21	24	27	33	11	17	13	14	36	18	7	3	3	9									
1938						9	20	24	16	27	16	15	31	34	26	24	7	12	19	14	10	14	15	8	5	11	8									
1939						15	47	20	27	12	17	18	30	35	15	19	14	8	9	8	9	13	20	7	5	4	4	5	1	3						
1940			9	6	58	79	22	15	17	10	13	21	23	29	12	7	9	8	3	6	8	9	2													
1941		11	27	21	27	31	36	47	61	30	21	10	14	9	3	7	3	3	4																	
1942	4	1	1	1	4	8	31	40	32	36	26	35	22	26	19	7	10	8	6	7	22	14	5													
1943						6	8	11	26	23	13	24	34	46	35	31	19	23	10	9	7	15	2	3	4	3	3	2	1	1	2	2	2			
1944					18	7	37	79	54	20	12	7	5	8	6	8	11	11	14	17	17	4	3	3	2	7	8	2								
1945					37	63	30	8	2	19	11	13	8	16	11	14	13	17	18	16	11	8	13	11	12	8	6									
1946						3	24	6	12	13	12	13	19	28	41	25	16	11	26	22	23	12	36	14	9											
1947			3	14	10	2	17	33	29	48	28	19	17	15	16	15	9	12	21	12	15	7	10	9	4											
1948				2	9	27	19	31	47	21	21	17	18	13	23	17	15	15	7	13	14	8	7	8	8	5	1									
1949					12	25	16	9	12	20	8	17	36	38	42	20	12	15	9	7	16	5	18	8	11	4	5									
1950						5				14	28	21	14	22	27	19	17	12	11	10	29	33	15	22	11	14	14	7	9	8	3					
1951							7	7	11	27	7	18	33	38	33	24	8	22	18	28	30	33	7	3	2	2	7									
1952						6	21	13	15	18	24	19	18	14	16	28	22	24	13	14	28	41	16	13	3											
1953					20	11	39	24	8	9	22	30	34	36	28	20	20	7	9	12	10	8	13	5												
1954				6	109	39	43	21	25	22	26	10	7	20	17	6	7	2	5																	
1955				10	16	13	16	26	15	21	43	15	28	21	20	19	19	27	22	15	10	9														
1956				7	8	8	15	8	18	25	28	13	29	27	27	26	30	18	8	16	12	13	3													
1957			24	31	7	7	5	8	22	21	14	15	30	17	12	10	9	18	12	11	12	17	14	24	9	9	5	2								
1958					1	9	5	7	9	24	37	37	39	27	23	21	28	12	13	12	12	15	10	7	8	3	3	3								
1959				7	4	9	13	9	5	41	30	39	24	11	8	8	7	15	28	17	24	37	8	4	3	4	2	4	4							
1960					7	18	14	21	25	20	23	29	29	41	51	35	10	9	8	8	13	5														
1961					19	47	49	22	12	15	12	24	17	20	6	18	11	6	15	17	7	9	16	2	3	9	9									
1962						3	21	30	26	25	21	24	35	23	18	25	31	16	14	11	20	13	5	4												
1963					21	26	43	90	32	23	18	17	7	14	9	10	8	13	5	6	5	1	5	3	3	6										
1964	9	17	22	70	33	22	21	13	7	17	12	14	11	14	8	11	10	10	6	8	15	5	1	2	2	3	3									

## 03343000 WABASH RIVER AT VINCENNES, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	12784	100.00	12	4800.0	642	7495	58.63	24	35000.0	278	780	6.10
1	770.0	9	12784	100.00	13	5600.0	685	6853	53.61	25	41000.0	158	502	3.93
2	910.0	31	12775	99.93	14	6600.0	812	6168	48.25	26	48000.0	127	344	2.69
3	1100.0	118	12744	99.69	15	7800.0	699	5356	41.90	27	57000.0	86	217	1.70
4	1300.0	234	12626	98.76	16	9200.0	658	4657	36.43	28	67000.0	74	131	1.02
5	1500.0	561	12392	96.93	17	11000.0	598	3999	31.28	29	80000.0	29	57	0.45
6	1800.0	637	11831	92.55	18	13000.0	508	3401	26.60	30	94000.0	18	28	0.22
7	2100.0	723	11194	87.56	19	15000.0	496	2893	22.63	31	110000.0	4	10	0.08
8	2500.0	705	10471	81.91	20	18000.0	380	2397	18.75	32	130000.0	2	6	0.05
9	2900.0	711	9766	76.39	21	21000.0	389	2017	15.78	33	150000.0	2	4	0.03
10	3400.0	771	9055	70.83	22	25000.0	429	1628	12.73	34	180000.0	2	2	0.02
11	4000.0	789	8284	64.80	23	29000.0	419	1199	9.38					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1630.0  
 P90 = 1950.0  
 P75 = 3030.0  
 P70 = 3480.0  
 P50 = 6270.0  
 P25 = 13800.0  
 P10 = 28300.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1931	1200.00 7	1300.00 7	1380.00 8	1450.00 8	1510.00 8	1650.00 8	1680.00 6	1720.00 5	1870.00 2
1932	1630.00 16	1660.00 16	1740.00 17	2130.00 22	2370.00 23	2830.00 23	3000.00 20	3150.00 17	3850.00 17
1933	1850.00 20	1890.00 21	2010.00 22	2120.00 21	2950.00 28	3320.00 26	3500.00 24	3680.00 23	4100.00 20
1934	1850.00 21	1850.00 20	1900.00 20	1970.00 18	2100.00 18	2670.00 21	2960.00 19	2920.00 16	3490.00 15
1935	770.00 1	783.00 1	799.00 1	887.00 1	1300.00 5	1370.00 2	1630.00 5	2240.00 9	2630.00 8
1936	1420.00 11	1530.00 14	1630.00 14	1640.00 13	1690.00 10	1950.00 12	2750.00 16	3250.00 18	3710.00 16
1937	1130.00 5	1130.00 5	1140.00 5	1180.00 5	1220.00 2	1430.00 4	1800.00 9	2270.00 11	4610.00 22
1938	2270.00 27	2270.00 27	2430.00 27	2570.00 29	2810.00 26	3970.00 31	3850.00 26	4270.00 25	6000.00 26
1939	2110.00 25	2110.00 24	2160.00 24	2240.00 24	2360.00 22	2670.00 22	3030.00 22	3360.00 21	4800.00 23
1940	1670.00 17	1670.00 17	1670.00 16	1670.00 14	1760.00 13	1870.00 10	1980.00 10	1950.00 7	2500.00 6
1941	1080.00 4	1090.00 4	1100.00 4	1160.00 4	1340.00 6	1480.00 6	1550.00 3	1640.00 3	2020.00 5
1942	960.00 2	970.00 2	986.00 2	1000.00 2	1230.00 3	1400.00 3	1690.00 7	2250.00 10	3390.00 14
1943	2390.00 29	2390.00 28	2440.00 28	2560.00 28	3020.00 29	3300.00 25	3800.00 25	4600.00 26	6130.00 27
1944	1910.00 22	1920.00 22	1990.00 21	2070.00 20	2200.00 20	2310.00 16	2430.00 15	2700.00 15	3110.00 11
1945	1300.00 8	1320.00 8	1360.00 7	1420.00 7	1490.00 7	1560.00 7	1630.00 4	1630.00 2	1680.00 1
1946	2600.00 31	2630.00 31	2800.00 31	3040.00 31	3450.00 30	4880.00 33	5840.00 32	7670.00 33	7660.00 30
1947	1450.00 14	1470.00 12	1520.00 12	1560.00 10	1690.00 11	1870.00 11	2270.00 13	2560.00 14	3370.00 13
1948	2040.00 23	2050.00 23	2080.00 23	2180.00 23	2640.00 25	2940.00 24	3240.00 23	3340.00 20	4020.00 18
1949	1740.00 18	1780.00 18	1890.00 19	2050.00 19	2170.00 19	2460.00 18	2760.00 17	3730.00 24	5120.00 24
1950	2100.00 24	2130.00 25	2200.00 25	2360.00 26	2910.00 27	3550.00 28	4870.00 30	5820.00 30	6760.00 29
1951	3600.00 34	3730.00 34	4000.00 34	4350.00 34	4770.00 34	7980.00 34	8990.00 34	8720.00 34	10500.00 32
1952	2360.00 28	2390.00 29	2470.00 29	2530.00 27	2630.00 24	3530.00 27	4160.00 28	5530.00 29	7980.00 31
1953	2250.00 26	2250.00 26	2250.00 26	2300.00 25	2340.00 21	2530.00 20	3010.00 21	3380.00 22	4060.00 19
1954	1430.00 12	1440.00 11	1510.00 11	1620.00 12	1650.00 9	1670.00 9	1700.00 8	1700.00 4	1930.00 4
1955	1440.00 13	1500.00 13	1550.00 13	1680.00 15	1800.00 14	2030.00 14	2140.00 11	2530.00 13	3170.00 12
1956	1400.00 10	1400.00 10	1410.00 9	1500.00 9	1760.00 12	2420.00 17	3870.00 27	4750.00 27	5810.00 25
1957	1140.00 6	1160.00 6	1180.00 6	1190.00 6	1240.00 4	1310.00 1	1460.00 1	1830.00 6	2640.00 9
1958	2430.00 30	2550.00 30	2640.00 30	2790.00 30	3780.00 33	3890.00 29	4970.00 31	6300.00 31	12700.00 34
1959	3400.00 33	3400.00 33	3400.00 33	3470.00 33	3690.00 32	4740.00 32	6420.00 33	7010.00 32	10600.00 33
1960	1390.00 9	1390.00 9	1430.00 10	1610.00 11	2010.00 16	2470.00 19	2960.00 18	3270.00 19	4450.00 21
1961	1610.00 15	1630.00 15	1660.00 15	1680.00 16	1940.00 15	1980.00 13	2170.00 12	2200.00 8	2510.00 7
1962	2800.00 32	2940.00 32	3280.00 32	3330.00 32	3630.00 31	3890.00 30	4230.00 29	5230.00 28	6260.00 28
1963	1800.00 19	1800.00 19	1800.00 18	1830.00 17	2090.00 17	2270.00 15	2360.00 14	2500.00 12	2870.00 10
1964	1000.00 3	1000.00 3	1000.00 3	1040.00 3	1180.00 1	1450.00 5	1490.00 2	1500.00 1	1920.00 3

## 03343000 WABASH RIVER AT VINCENNES, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1930	97200.00 5	95300.00 5	89700.00 4	81400.00 3	61200.00 3	44200.00 3	37600.00 3	31300.00 3	24200.00 8
1931	18800.00 33	16700.00 34	12900.00 35	8350.00 35	6050.00 35	4660.00 35	4270.00 35	4050.00 35	3990.00 35
1932	47000.00 23	46300.00 23	44900.00 24	40200.00 23	30600.00 24	24300.00 22	21400.00 22	18500.00 21	15200.00 23
1933	90000.00 7	88400.00 7	83300.00 6	69400.00 5	51300.00 6	42700.00 5	37700.00 2	31300.00 4	27600.00 2
1934	19000.00 32	18700.00 32	17000.00 32	14500.00 32	11700.00 32	8290.00 32	6510.00 33	5730.00 33	4720.00 33
1935	46500.00 25	46300.00 24	45600.00 23	43000.00 19	32300.00 21	22100.00 26	20400.00 24	18100.00 22	15700.00 22
1936	78200.00 9	76200.00 9	68800.00 11	51000.00 15	33700.00 19	23400.00 23	20400.00 25	16600.00 26	12400.00 28
1937	76400.00 10	75900.00 10	74000.00 9	66000.00 7	51400.00 5	38700.00 8	30100.00 11	30300.00 5	25400.00 3
1938	73700.00 11	73500.00 11	72100.00 10	67100.00 6	55900.00 4	42500.00 6	33200.00 8	28600.00 9	24900.00 5
1939	101000.00 3	98600.00 3	84800.00 5	62000.00 9	47400.00 11	38400.00 9	34300.00 6	28500.00 10	22000.00 12
1940	29700.00 30	29200.00 30	27100.00 31	22100.00 31	20200.00 31	14000.00 31	12300.00 31	11500.00 31	8970.00 31
1941	15600.00 35	14800.00 35	14600.00 34	11700.00 34	8380.00 34	6110.00 34	6160.00 34	5500.00 34	4650.00 34
1942	46600.00 24	46200.00 25	43300.00 25	37900.00 25	26600.00 26	26000.00 21	24300.00 20	20300.00 20	16500.00 20
1943	184000.00 1	179000.00 1	156000.00 1	115000.00 1	77900.00 2	45900.00 2	35800.00 4	29900.00 6	24300.00 6
1944	69700.00 14	68200.00 14	63900.00 14	59800.00 12	46500.00 12	33400.00 15	27300.00 16	23400.00 18	16400.00 21
1945	51100.00 21	50800.00 21	48400.00 20	42300.00 21	31000.00 23	27100.00 20	25600.00 19	24000.00 16	18400.00 17
1946	37600.00 26	37100.00 26	36100.00 26	32500.00 26	24100.00 28	21600.00 27	20900.00 23	18000.00 24	18100.00 18
1947	52500.00 20	51700.00 20	47700.00 21	40200.00 24	31600.00 22	30700.00 18	26400.00 18	22000.00 19	17900.00 19
1948	69000.00 15	67400.00 15	63500.00 15	53500.00 14	48600.00 8	34600.00 12	29200.00 15	24500.00 15	19200.00 15
1949	71000.00 13	70800.00 12	68200.00 12	60700.00 11	50900.00 7	43200.00 4	34500.00 5	29500.00 8	23000.00 10
1950	120000.00 2	116000.00 2	110000.00 2	101000.00 2	83400.00 1	68600.00 1	55600.00 1	52200.00 1	40000.00 1
1951	79400.00 8	78600.00 8	74400.00 8	61700.00 10	44200.00 14	33500.00 14	29400.00 14	27400.00 12	24300.00 7
1952	50600.00 22	49800.00 22	47000.00 22	41500.00 22	34700.00 18	30900.00 16	29700.00 12	28500.00 11	25400.00 4
1953	36900.00 29	36600.00 28	35400.00 27	31400.00 27	28700.00 25	22500.00 25	18800.00 26	16200.00 27	13600.00 27
1954	17500.00 34	17000.00 33	15600.00 33	12700.00 33	10500.00 33	8150.00 33	7430.00 32	6620.00 32	5340.00 32
1955	28200.00 31	28100.00 31	27900.00 30	24600.00 30	20500.00 30	16800.00 30	14500.00 30	13700.00 30	12100.00 29
1956	37400.00 28	36800.00 27	34700.00 28	30200.00 28	25800.00 27	19800.00 28	16700.00 28	16900.00 25	14300.00 25
1957	68600.00 16	67000.00 16	61300.00 16	50100.00 16	43200.00 15	35300.00 11	32900.00 9	31900.00 2	24100.00 9
1958	99600.00 4	97600.00 4	90000.00 3	72600.00 4	48300.00 9	41600.00 7	33200.00 7	26800.00 13	20900.00 13
1959	92100.00 6	88600.00 6	80700.00 7	63200.00 8	45400.00 13	35600.00 10	31900.00 10	29800.00 7	22700.00 11
1960	37500.00 27	35900.00 29	32700.00 29	26600.00 29	20800.00 29	16800.00 29	16200.00 29	15400.00 28	14800.00 24
1961	64300.00 17	63300.00 17	59800.00 17	57600.00 13	47800.00 10	34300.00 13	29400.00 13	25100.00 14	19200.00 16
1962	52900.00 19	52000.00 19	49400.00 19	42900.00 20	35500.00 17	30700.00 17	27000.00 17	23500.00 17	19400.00 14
1963	56000.00 18	55000.00 18	52100.00 18	44000.00 18	32900.00 20	22600.00 24	17500.00 27	14400.00 29	10800.00 30
1964	71100.00 12	69800.00 13	64400.00 13	50100.00 17	35900.00 16	27800.00 19	21500.00 21	18100.00 23	13600.00 26

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1931	3900.00 1
1932	9070.00 13
1933	10000.00 16
1934	10700.00 20
1935	6350.00 5
1936	10500.00 19
1937	12700.00 23
1938	13200.00 25
1939	16500.00 29
1940	7720.00 8
1941	4780.00 2
1942	7730.00 9
1943	10400.00 17
1944	12800.00 24
1945	9230.00 15
1946	15400.00 27
1947	8010.00 10
1948	12600.00 22
1949	16800.00 30
1950	20500.00 34
1951	18900.00 33
1952	15300.00 26
1953	11400.00 21
1954	5360.00 4
1955	6810.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1930	13900.00 11
1931	3020.00 35
1932	9780.00 24
1933	15900.00 6
1934	4020.00 32
1935	10200.00 22
1936	7530.00 29
1937	16900.00 3
1938	15500.00 8
1939	12900.00 14
1940	5410.00 31
1941	3320.00 34
1942	10600.00 19
1943	15700.00 7
1944	9420.00 25
1945	10400.00 21
1946	12300.00 15
1947	10900.00 18
1948	11800.00 16
1949	14300.00 9
1950	24900.00 1
1951	16400.00 4
1952	16000.00 5
1953	8640.00 26
1954	3590.00 33

03343000 WABASH RIVER AT VINCENNES, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	9190.00	14
1957	7100.00	7
1958	18400.00	31
1959	18700.00	32
1960	10400.00	18
1961	8670.00	11
1962	15600.00	28
1963	8980.00	12
1964	5180.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	8140.00	27
1956	10100.00	23
1957	13900.00	12
1958	17100.00	2
1959	14000.00	10
1960	10500.00	20
1961	10900.00	17
1962	13200.00	13
1963	6670.00	30
1964	7710.00	28

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1930	3232.0	8723.0	18510.0	59940.0	22330.0	19030.0	15930.0	8045.0	3069.0	2661.0	2494.0	2285.0
1931	1843.0	1505.0	1966.0	1599.0	2037.0	3375.0	5247.0	3604.0	3350.0	3288.0	2419.0	6052.0
1932	6145.0	8219.0	14420.0	29460.0	18170.0	8675.0	7868.0	7784.0	3748.0	4718.0	3825.0	4372.0
1933	2969.0	6211.0	14980.0	24480.0	13410.0	25390.0	34430.0	49800.0	9734.0	3735.0	3114.0	2410.0
1934	6745.0	2880.0	2776.0	3440.0	2654.0	5609.0	10690.0	3076.0	1612.0	1474.0	3293.0	3945.0
1935	3405.0	4688.0	5923.0	13110.0	7632.0	17360.0	11140.0	31330.0	10610.0	8905.0	4658.0	2434.0
1936	1736.0	5150.0	3789.0	4923.0	7716.0	32970.0	10370.0	13890.0	3689.0	1621.0	1303.0	2953.0
1937	5232.0	18990.0	4617.0	49160.0	27730.0	13320.0	26420.0	22840.0	13740.0	10790.0	6478.0	4768.0
1938	5110.0	2929.0	10190.0	6561.0	17370.0	31610.0	49960.0	10590.0	13640.0	25120.0	9356.0	4633.0
1939	2508.0	2878.0	3743.0	6397.0	25420.0	44850.0	31690.0	11140.0	10440.0	9002.0	5353.0	2195.0
1940	1888.0	2210.0	1899.0	2938.0	4449.0	9678.0	14660.0	12250.0	8961.0	2955.0	1622.0	1498.0
1941	1600.0	1923.0	2923.0	3005.0	3079.0	3005.0	6383.0	3674.0	8229.0	3232.0	1369.0	1512.0
1942	3052.0	7080.0	4807.0	3582.0	27470.0	24020.0	21800.0	8813.0	11700.0	6383.0	6724.0	3875.0
1943	3187.0	9574.0	8445.0	15300.0	12370.0	17080.0	9037.0	67770.0	22070.0	8850.0	8442.0	4900.0
1944	2571.0	3636.0	2395.0	2277.0	4884.0	16390.0	38780.0	25560.0	10220.0	2898.0	2024.0	1635.0
1945	1662.0	1760.0	1652.0	1635.0	4226.0	18730.0	29760.0	23870.0	22920.0	7410.0	6005.0	4588.0
1946	14300.0	7316.0	6654.0	22610.0	20470.0	19390.0	7921.0	19050.0	18930.0	6399.0	3196.0	1931.0
1947	1823.0	3486.0	4911.0	9030.0	12180.0	7682.0	22210.0	28640.0	27130.0	6185.0	3734.0	3848.0
1948	2692.0	3243.0	4640.0	11730.0	9036.0	28010.0	40400.0	17730.0	7740.0	9373.0	3934.0	2751.0
1949	2177.0	6307.0	8774.0	45640.0	40230.0	18210.0	12390.0	12060.0	10310.0	8713.0	5114.0	2977.0
1950	10660.0	5251.0	13330.0	79760.0	57040.0	29960.0	40450.0	16550.0	16140.0	12420.0	4825.0	15030.0
1951	7425.0	12170.0	18730.0	23030.0	29660.0	31460.0	24530.0	15480.0	8337.0	17020.0	5680.0	3693.0
1952	3704.0	9561.0	10980.0	25050.0	30010.0	29990.0	28140.0	17850.0	22100.0	6926.0	4452.0	3981.0
1953	2548.0	2666.0	5810.0	7689.0	7818.0	27150.0	17030.0	11400.0	7060.0	8681.0	3729.0	1773.0
1954	1663.0	1718.0	1739.0	1995.0	3094.0	4458.0	10120.0	5624.0	6129.0	2541.0	2209.0	1975.0
1955	6020.0	3061.0	3371.0	13360.0	6829.0	20260.0	13270.0	8492.0	10410.0	7287.0	3257.0	1788.0
1956	6571.0	13850.0	6216.0	3338.0	17070.0	19310.0	10560.0	13030.0	17930.0	8436.0	3890.0	1862.0
1957	1244.0	1496.0	3382.0	5766.0	8726.0	9125.0	40390.0	29090.0	20510.0	36090.0	6531.0	4294.0
1958	5204.0	10070.0	30180.0	19340.0	6945.0	10710.0	8763.0	8783.0	42370.0	30280.0	24470.0	7010.0
1959	4576.0	9220.0	8255.0	12920.0	46490.0	23490.0	21590.0	25190.0	8104.0	5360.0	3205.0	2073.0
1960	3806.0	6843.0	7783.0	12390.0	19560.0	9431.0	19990.0	11790.0	15530.0	10390.0	5682.0	2912.0
1961	2202.0	2488.0	2227.0	2086.0	3505.0	24930.0	22120.0	39300.0	12350.0	5643.0	9891.0	3812.0
1962	3983.0	7047.0	7385.0	15950.0	25630.0	34800.0	15510.0	13640.0	9218.0	15860.0	5403.0	4056.0
1963	3229.0	2944.0	2475.0	2277.0	2332.0	30010.0	13090.0	8212.0	5176.0	4962.0	3061.0	1736.0
1964	1494.0	1736.0	1347.0	2479.0	2759.0	16040.0	29870.0	17450.0	7933.0	7281.0	2376.0	1803.0

## 03343000 WABASH RIVER AT VINCENNES, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1888.00	2666.00	2776.00	3005.00	4449.00	9678.00
FIFTIETH PERCENTILE					
3187.00	4688.00	4911.00	9030.00	12180.00	19030.00
SEVENTY FIFTH PERCENTILE					
5204.00	8219.00	8774.00	22610.00	25420.00	28010.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
10560.00	8783.00	7740.00	3735.00	3061.00	1931.00
FIFTIETH PERCENTILE					
17030.00	13640.00	10310.00	7281.00	3890.00	2953.00
SEVENTY FIFTH PERCENTILE					
29760.00	23870.00	16140.00	9373.00	5682.00	4294.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1970						3	11	9	7	11	25	16	23	22	18	29	41	15	30	11	10	10	19	19	16	7	2	2	2	3	2	2			
1971						5	17	19	13	24	25	29	42	42	27	22	20	10	17	10	5	5	5	5	8	3	5	6	1						
1972						1	22	38	28	15	15	25	29	17	23	32	15	23	10	11	13	10	4	9	8	6	4	4	4						
1973								6	14	5	6	5	10	4	11	24	14	26	24	10	15	32	31	49	22	22	18	15	2						
1974								3	30	38	28	10	13	6	10	10	6	12	14	9	15	20	13	19	26	30	21	16	8	3	5				
1975								8	16	11	15	14	27	19	29	26	9	20	26	30	19	20	22	18	17	7	6	6							
1976					9	10	9	7	14	20	52	34	31	19	23	15	19	6	13	13	10	4	10	9	10	4	8	9	3	5					
1977	42	23	4	9	39	29	35	21	12	10	7	25	15	6	10	14	7	14	13	7	4	9	4	6											
1978					11	10	9	42	19	20	12	19	36	23	9	18	11	10	11	10	13	24	14	12	15	4	4	3	6						
1979					10	15	30	11	15	30	21	25	26	22	20	6	20	11	8	5	7	8	7	25	12	11	9	5	1	3	2				
1980								12	27	41	32	28	23	25	17	25	9	20	18	13	7	9	8	8	13	22	9								
1981					7	7	14	19	48	45	12	9	11	9	7	8	13	8	13	20	30	16	24	16	7	8	2	2	2	6	2				
1982								12	7	4	14	7	12	31	15	29	28	20	32	21	13	8	8	9	6	22	19	19	8	7	7	6	1		
1983					21	9	17	22	15	14	10	4	11	18	15	32	24	12	11	15	14	14	17	5	9	16	19	11	6	1	3				
1984					2	22	18	15	5	21	22	25	13	13	18	26	21	7	12	9	9	11	11	14	17	14	13	17	7	4					
1985						2	20	23	21	8	14	20	28	36	20	15	30	9	19	13	7	8	6	5	6	5	18	9	2	10	2	2	2	3	2

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	5500.0	319	4076	69.75	24	26000.0	219	980	16.77
1	1290.0	42	5844	100.00	13	6200.0	344	3757	64.29	25	30000.0	204	761	13.02
2	1500.0	23	5802	99.28	14	7100.0	265	3413	58.40	26	34000.0	197	557	9.53
3	1700.0	4	5779	98.89	15	8100.0	334	3148	53.87	27	39000.0	159	360	6.16
4	1900.0	48	5775	98.82	16	9200.0	370	2814	48.15	28	45000.0	85	201	3.44
5	2200.0	97	5727	98.00	17	11000.0	162	2444	41.82	29	51000.0	59	116	1.98
6	2500.0	146	5630	96.34	18	12000.0	300	2282	39.05	30	58000.0	23	57	0.98
7	2800.0	209	5484	93.84	19	14000.0	239	1982	33.92	31	66000.0	24	34	0.58
8	3200.0	258	5275	90.26	20	16000.0	196	1743	29.83	32	75000.0	5	10	0.17
9	3700.0	294	5017	85.85	21	18000.0	165	1547	26.47	33	86000.0	3	5	0.09
10	4200.0	351	4723	80.82	22	20000.0	217	1382	23.65	34	98000.0	2	2	0.03
11	4800.0	296	4372	74.81	23	23000.0	185	1165	19.93					

## 03343000 WABASH RIVER AT VINCENNES, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2660.0  
P90 = 3230.0  
P75 = 4780.0  
P70 = 5460.0  
P50 = 8840.0  
P25 = 19000.0  
P10 = 33500.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	2340.00 6	2400.00 6	2480.00 7	2590.00 6	3030.00 7	4370.00 10	4690.00 10	5260.00 8	5690.00 6
1972	2200.00 5	2270.00 5	2460.00 5	2630.00 7	2840.00 5	3320.00 7	3630.00 5	3540.00 4	4840.00 3
1973	2700.00 10	2770.00 10	2980.00 10	3270.00 10	3800.00 10	4660.00 12	5670.00 13	7180.00 13	10500.00 14
1974	3370.00 12	3440.00 13	3690.00 13	3750.00 12	3940.00 12	4140.00 9	4460.00 8	6280.00 12	9020.00 12
1975	3260.00 11	3280.00 11	3370.00 11	3600.00 11	3960.00 13	5440.00 14	5340.00 11	5630.00 10	7410.00 8
1976	4270.00 15	4300.00 15	4380.00 15	4700.00 14	4810.00 14	4830.00 13	5940.00 14	6190.00 11	8140.00 10
1977	1290.00 1	1300.00 1	1320.00 1	1350.00 1	1410.00 1	1470.00 1	1690.00 1	1980.00 1	2250.00 1
1978	1920.00 2	1960.00 2	2070.00 2	2320.00 4	2860.00 6	3110.00 5	4100.00 7	5180.00 7	7560.00 9
1979	2640.00 9	2640.00 9	2650.00 8	2730.00 8	3050.00 8	3210.00 6	3710.00 6	4290.00 5	5410.00 4
1980	3390.00 13	3410.00 12	3600.00 12	3790.00 13	3830.00 11	4390.00 11	5600.00 12	7190.00 14	8190.00 11
1981	2100.00 4	2100.00 4	2100.00 3	2180.00 3	2550.00 3	3070.00 4	3280.00 3	3370.00 3	4080.00 2
1982	3620.00 14	3680.00 14	3780.00 14	4850.00 15	6550.00 15	7660.00 15	7920.00 15	9050.00 15	11400.00 15
1983	2530.00 8	2570.00 8	2800.00 9	2890.00 9	3170.00 9	3610.00 8	4680.00 9	5430.00 9	9160.00 13
1984	2020.00 3	2030.00 3	2100.00 4	2120.00 2	2160.00 2	2340.00 2	2620.00 2	3210.00 2	5570.00 5
1985	2380.00 7	2410.00 7	2480.00 6	2520.00 5	2610.00 4	2800.00 3	3420.00 4	4300.00 6	6170.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	67100.00 6	65600.00 6	60500.00 6	49300.00 6	37300.00 9	28800.00 13	23500.00 13	21300.00 13	17300.00 12
1971	45400.00 14	44900.00 14	43000.00 14	38200.00 15	30200.00 15	23200.00 15	17400.00 15	15300.00 15	12800.00 15
1972	53700.00 11	53100.00 11	50700.00 11	45400.00 11	37200.00 10	26000.00 14	21100.00 14	18200.00 14	16400.00 14
1973	51800.00 12	51000.00 12	48300.00 12	45000.00 12	41600.00 6	36700.00 6	29400.00 7	29300.00 4	29300.00 3
1974	73500.00 5	72700.00 5	68600.00 5	59200.00 4	46200.00 4	40500.00 3	37500.00 2	35900.00 1	32800.00 1
1975	49200.00 13	48800.00 13	47000.00 13	40400.00 13	33500.00 14	29200.00 11	27600.00 8	25100.00 8	22500.00 8
1976	55500.00 9	55000.00 9	52100.00 9	45500.00 10	41000.00 7	31000.00 9	24000.00 11	21700.00 11	16900.00 13
1977	29200.00 16	28600.00 16	27600.00 16	23300.00 16	17500.00 16	13700.00 16	12100.00 16	9940.00 16	8550.00 16
1978	73600.00 4	73100.00 4	70400.00 2	62000.00 2	51500.00 3	40000.00 5	33600.00 4	27800.00 5	23300.00 5
1979	78000.00 2	75700.00 2	68700.00 4	56500.00 5	44400.00 5	40500.00 4	32300.00 5	26100.00 7	23100.00 6
1980	41900.00 15	41300.00 15	40100.00 15	39200.00 14	37100.00 11	29900.00 10	23500.00 12	22500.00 10	18100.00 11
1981	59800.00 8	59100.00 8	56400.00 7	49000.00 7	36200.00 13	29100.00 12	25100.00 10	22900.00 9	18800.00 10
1982	75000.00 3	73700.00 3	70000.00 3	61700.00 3	55800.00 2	48000.00 1	41600.00 1	35900.00 2	29400.00 2
1983	63600.00 7	62100.00 7	55600.00 8	45600.00 9	36300.00 12	31500.00 8	25600.00 9	21500.00 12	22100.00 9
1984	54300.00 10	53100.00 10	51200.00 10	47200.00 8	39500.00 8	33400.00 7	30200.00 6	27600.00 6	22500.00 7
1985	100000.00 1	98100.00 1	90500.00 1	74800.00 1	59900.00 1	45700.00 2	34500.00 3	29700.00 3	23800.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	12600.00 5
1972	7610.00 2
1973	19700.00 13
1974	19900.00 14
1975	17800.00 12
1976	14400.00 8
1977	5170.00 1
1978	12200.00 4
1979	14200.00 7
1980	14100.00 6
1981	9320.00 3
1982	20300.00 15
1983	14700.00 10
1984	14500.00 9
1985	16600.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	12900.00 10
1971	9080.00 15
1972	11200.00 13
1973	21300.00 1
1974	20600.00 2
1975	15200.00 5
1976	11000.00 14
1977	6070.00 16
1978	16100.00 4
1979	14700.00 6
1980	12500.00 11
1981	12000.00 12
1982	18800.00 3
1983	14000.00 9
1984	14100.00 8
1985	14600.00 7



## 03343000 WABASH RIVER AT VINCENNES, IN--Continued

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	11540.0	16380.0	10890.0	7030.0	15100.0	12580.0	27940.0	28970.0	9648.0	5085.0	5311.0	4352.0
1971	6359.0	7414.0	6918.0	4665.0	21530.0	24230.0	6697.0	8053.0	10240.0	7098.0	3125.0	3600.0
1972	4228.0	3311.0	16460.0	12510.0	6207.0	9492.0	31520.0	20070.0	11140.0	6802.0	4106.0	8017.0
1973	16090.0	30610.0	26610.0	30110.0	17820.0	32950.0	35090.0	16400.0	22040.0	12590.0	10710.0	4183.0
1974	4299.0	7042.0	18690.0	40240.0	37120.0	31650.0	30850.0	28810.0	27430.0	9866.0	4929.0	7079.0
1975	4054.0	8006.0	11630.0	24790.0	26890.0	29870.0	17850.0	16400.0	19550.0	9305.0	6139.0	8899.0
1976	4869.0	4842.0	15140.0	10580.0	28330.0	32030.0	10130.0	5560.0	6512.0	7807.0	3417.0	2720.0
1977	2665.0	2558.0	1725.0	1410.0	3310.0	14040.0	12840.0	8408.0	2869.0	3550.0	9118.0	10200.0
1978	15340.0	8875.0	25910.0	11020.0	4568.0	32560.0	38190.0	26090.0	9578.0	9956.0	5622.0	4173.0
1979	3133.0	4875.0	7376.0	8600.0	8343.0	43840.0	35330.0	13050.0	7147.0	13000.0	24680.0	6291.0
1980	3916.0	7275.0	12850.0	10200.0	8648.0	26210.0	31810.0	8295.0	22140.0	7266.0	7374.0	4681.0
1981	3567.0	3637.0	3742.0	2588.0	9850.0	7791.0	11200.0	35050.0	22250.0	17310.0	12000.0	14430.0
1982	9189.0	8116.0	7829.0	18700.0	33270.0	54760.0	36170.0	13420.0	21140.0	12660.0	6731.0	4507.0
1983	3767.0	7561.0	29560.0	18560.0	12170.0	9885.0	28970.0	33220.0	11610.0	6748.0	2924.0	2196.0
1984	3807.0	6429.0	21640.0	6381.0	23080.0	26790.0	35840.0	19680.0	13760.0	6123.0	3897.0	2755.0
1985	4727.0	10290.0	13090.0	18690.0	16330.0	53520.0	28570.0	10070.0	6987.0	4294.0	5255.0	3243.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3777.00	4850.00	7489.00	6543.00	8419.00	12950.00
FIFTIETH PERCENTILE					
4264.00	7345.00	12970.00	10800.00	15720.00	28330.00
SEVENTY FIFTH PERCENTILE					
8482.00	8685.00	20900.00	18700.00	25940.00	32850.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
14090.00	8824.00	7755.00	6279.00	3949.00	3332.00
FIFTIETH PERCENTILE					
29910.00	16400.00	11380.00	7537.00	5467.00	4430.00
SEVENTY FIFTH PERCENTILE					
35270.00	28130.00	21820.00	11930.00	8682.00	7783.00

## 03347000 WHITE RIVER AT MUNCIE, IN

LOCATION.--Lat 40°12'15", long 85°23'14", in SE¼NW¼ Hackley Reserve, Delaware County, Hydrologic Unit 05120201, on right bank 200 ft downstream from Walnut Street bridge in Muncie, 6 mi upstream from Bell Creek, and at mile 315.8.

DRAINAGE AREA.--241 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1930 to September 1985. Prior to October 1948, published as West Fork White River at Muncie. Daily gage heights from July 1923 to December 1929 are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 917.10 ft above National Geodetic Vertical Datum of 1929 (city of Muncie bench mark). See WSP 1705 for history of changes prior to Jan. 28, 1942. Jan. 28, 1942, to Apr. 27, 1964, water-stage recorder at present site at datum 3.00 ft higher.

REMARKS.--Natural flow affected by regulation of Prairie Creek Reservoir and by diversion of municipal water supply by Muncie Water Works Co. above gage. Records of diversion available since October 1937.

AVERAGE DISCHARGE.--54 years, 208 ft<sup>3</sup>/s, 11.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,300 ft<sup>3</sup>/s Apr. 21, 1964, gage height, 14.98 ft present datum; maximum gage height, 21.07 ft Jan. 15, 1937, present datum; minimum daily discharge, 1.1 ft<sup>3</sup>/s Sept. 16, 17, 23-25, 1954, and Oct. 10, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 22.6 ft in March 1913, present datum, discharge, 20,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1932					2	3	17	20	4	19	37	19	21	24	26	41	25	23	20	12	13	12	7	5	6	3	4	3							
1933					4	21	16	20	21	14	21	11	36	42	37	26	31	12	14	16	4	4	3	4	3	1	2	1	1						
1934	10	8	2	4	11	15	7	11	8	10	20	40	47	44	23	29	30	16	9	3	5	3	2	3	2	3									
1935					2	4	10	26	12	58	78	36	32	19	19	15	9	6	9	10	7	3	2	2	3	2	3		1	1	1				
1936		1	3	6	6	24	17	19	13	22	30	35	32	21	12	11	20	22	25	13	8	6	6	2	5	3		2	2						
1937									3	17	15	13	31	34	20	36	40	36	22	19	20	14	11	10	9	7	2	2	2	2	1				1
1938										9	15	15	25	35	42	31	40	29	20	28	23	13	7	9	4	7	5	3	3	2					
1939					1	8	11	8	9	32	28	27	34	28	36	22	35	21	17	13	8	6	5	7	2	2	2	2		1					
1940		10	15	21	14	7	14	17	19	29	37	30	14	20	30	18	17	11	6	9	13	6	4	1					2	2					
1941	2	2	1	8	17	22	12	19	29	33	38	21	52	42	28	11	9	4	2	6	3		1	3											
1942		2		1		2	5	9	7	25	50	35	36	37	39	25	17	22	8	10	6	6	5	4	4	4	3	2	1						
1943										23	26	21	33	25	20	36	47	32	22	14	10	16	8	8	5	3	7	3	2	2	1				1
1944			2	7	26	30	22	14	20	48	46	17	14	8	5	6	14	12	14	13	11	11	5	8	4	4	2		1	1	1				
1945					12	21	30	48	34	19	12	12	13	15	13	15	33	15	17	12	8	6	10	6	6	3	1	1	2	1					
1946						8	13	6	7	9	16	7	17	28	28	44	40	24	24	22	21	17	8	11	5	4	5	1							
1947				5	3	8	1	6	28	26	21	19	28	25	29	21	20	19	21	30	16	15	8	5	3	5	2	1							
1948					9	11	10	16	23	12	45	43	26	30	22	27	13	18	12	12	9	4	6	3	5	2	6	2							
1949						4	7	11	26	20	15	17	24	19	20	36	39	30	20	20	16	12	8	6	5	4	3	1	2						
1950									7	50	31	20	18	18	24	34	24	20	27	21	15	10	11	7	9	8	2	5	2	1	1				
1951					13	16	14	5	11	5	7	14	40	16	39	27	27	24	27	17	14	12	12	8	8	4	1	2	2						
1952					6	14	14	11	35	24	9	23	17	11	13	12	27	35	27	22	14	15	10	12	5	5	1	3	1						
1953			1	10	16	6	5	4	4	6	44	24	20	18	13	27	44	30	28	24	10	7	9	3	4	2	3		2	1					
1954	18	7	13	10	19	13	23	21	15	30	18	19	22	29	22	18	20	16	10	5	6	4	4	2		1									
1955	6	8	5	5	2	3	8	3	5	6	15	7	21	45	41	25	25	28	23	17	21	11	11	9	5	4	4	1	1						
1956	2	1	3	10	7	7	4	9	7	4	9	5	7	34	20	35	33	34	37	23	24	17	10	5	6	3	6	1		1	2				
1957	5	6	10	10	9	11	2	11	3	10	20	29	16	16	13	31	28	23	15	12	20	10	11	11	9	3	5	11	1	3	1				
1958									1	8	6	3	16	26	25	47	45	53	32	17	23	21	7	4	12	3	4	3	1	4	2	1	1		
1959				6	29	5	3	5	7	9	6	19	44	21	26	19	15	24	24	22	28	8	15	13	4	5	1	3		3		1			
1960				3	20	16	11	11	6	7	19	18	18	30	41	31	42	20	16	17	8	7	5	6	4	4	4	2							
1961		1		2	16	30	17	26	26	10	13	23	17	26	24	19	18	7	13	11	9	8	12	9	6	9	8	4		1					
1962								2	7	11	36	30	24	34	40	38	33	32	20	11	6	9	8	4	7	4	6	1	1		1				
1963		4	1	4	2	2	10	60	54	53	27	27	20	16	18	24	10	5	1	10	1	5	1	4	1	2	1			1		1			
1964			2	13	15	6	14	22	44	50	30	22	28	19	16	20	12	11	5	5	4	3	4	5	3	6		1	3	1	1				1
1965		4	5	10	13	19	25	30	44	41	18	11	6	17	17	17	21	15	12	8	9	7	6	2	3	1	2	2							
1966			1	30	12	13	15	15	37	35	28	19	39	26	17	22	14	7	13	6	4	5	4	2		1									
1967				1	20	20	22	28	18	27	14	10	14	23	21	18	21	15	13	10	12	9	10	3	7	4	1	2	1						
1968						5	13	29	30	6	11	17	30	34	36	33	26	20	21	14	10	8	5	5	6	4	2	1							
1969						1		9	33	15	10	17	15	30	49	44	29	23	22	19	15	13	4	7	3	3	3								
1970								5	15	27	21	23	46	34	19	26	31	26	25	23	12	12	7	6	1	2	2	2							
1971						3	7	10	26	63	35	31	53	22	12	17	14	16	12	13	9	9	3	2	1	4	2	1							
1972						2	6	11	35	31	17	16	18	27	38	44	31	25	10	12	17	9	6	1	5	3	2								
1973										17	15	12	24	25	41	40	22	24	42	31	24	15	6	9	7	4	3	3	1						
1974						1	3	11	13	17	22	33	26	22	24	41	26	33	16	17	15	15	8	7	8	3	3	1							
1975						4	4	19	25	30	30	26	23	5	15	19	28	26	21	29	16	14	12	8	4	4		1	1	1					

## 03347000 WHITE RIVER AT MUNCIE, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976				2	1	18	20	40	48	38	27	32	38	14	16	16	13	10	9	5	7	3	4		3	1	1			
1977	1	28	47	40	35	21	35	28	14	12	18	18	15	12	13	10	7	3	4	2		2								
1978				1	1	2	9	24	16	17	51	40	27	29	22	20	22	13	11	8	7		6	8	4	2	3			
1979									4	15	30	32	46	42	47	42	24	16	13	11	9	7		6	7	3	6	5		
1980								5	6	6	14	28	58	55	43	27	28	26	17	12	15	7		4	5	7	2	1		
1981							2	17	27	70	62	39	20	19	20	10	16	18	10	11	11	5		4	1	1	1	1		
1982				6	6	8	24	26	37	34	22	10	23	22	26	15	17	18	21	16	9	5		6	8	6				
1983			10	23	34	17	22	17	6	23	33	32	36	32	27	12	6	12	9	5	3	2		1	2	1				
1984					2	4	15	24	16	34	45	13	16	22	27	31	23	29	12	14	13	12		6	3	2	3			
1985						6	9	31	25	17	15	48	50	34	26	28	16	15	13	10	5	5	5		5	2	1	2	1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	19724	100.00	12	23.0	1189	15017	76.14	24	620.0	396	1435	7.28
1	1.1	43	19724	100.00	13	30.0	1270	13828	70.11	25	820.0	310	1039	5.27
2	1.5	34	19681	99.78	14	39.0	1436	12558	63.67	26	1100.0	206	729	3.70
3	1.9	58	19647	99.61	15	52.0	1326	11122	56.39	27	1400.0	213	523	2.65
4	2.5	101	19589	99.32	16	68.0	1402	9796	49.67	28	1900.0	132	310	1.57
5	3.3	276	19488	98.80	17	90.0	1462	8394	42.56	29	2500.0	78	178	0.90
6	4.4	348	19212	97.40	18	120.0	1405	6932	35.14	30	3200.0	59	100	0.51
7	5.7	402	18864	95.64	19	160.0	1150	5527	28.02	31	4300.0	27	41	0.21
8	7.6	507	18462	93.60	20	210.0	891	4377	22.19	32	5600.0	8	14	0.07
9	10.0	598	17955	91.03	21	270.0	883	3486	17.67	33	7400.0	4	6	0.03
10	13.0	944	17357	88.00	22	360.0	637	2603	13.20	34	9700.0	2	2	0.01
11	17.0	1396	16413	83.21	23	470.0	531	1966	9.97					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	6.3
P90 =	11.0
P75 =	24.3
P70 =	30.1
P50 =	67.2
P25 =	186.0
P10 =	469.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	1.80 9	2.40 11	3.00 9	3.40 8	12.00 28	18.00 28	17.00 22	26.00 25	31.00 19
1933	4.20 22	4.40 20	5.50 25	6.40 22	7.00 17	14.00 24	25.00 30	43.00 38	61.00 36
1934	11.00 40	12.00 40	14.00 40	16.00 38	19.00 40	27.00 39	38.00 45	47.00 41	56.00 32
1935	1.19 3	1.30 3	1.40 2	1.40 2	2.80 3	7.00 8	16.00 20	16.00 14	17.00 8
1936	4.10 21	4.60 22	5.20 22	6.80 23	9.00 21	10.00 18	13.00 16	17.00 15	28.00 15
1937	1.60 7	2.30 9	3.10 10	4.30 13	5.80 14	7.60 11	8.80 7	13.00 9	44.00 26
1938	16.00 47	17.00 47	19.00 48	28.00 50	29.00 48	80.00 52	111.00 52	118.00 52	157.00 51
1939	20.00 50	20.00 50	21.00 49	21.00 46	24.00 44	30.00 42	37.00 43	56.00 44	72.00 41
1940	4.40 23	6.00 26	6.80 26	7.20 25	9.00 22	12.00 20	17.00 23	20.00 19	24.00 13
1941	2.10 12	2.20 8	2.40 6	2.50 5	3.10 4	3.80 2	4.30 1	8.30 5	17.00 9
1942	1.19 4	1.40 4	1.80 4	2.90 6	5.00 9	5.20 4	9.80 10	14.00 11	20.00 12
1943	12.00 41	13.00 45	15.00 45	16.00 39	16.00 33	22.00 35	30.00 34	44.00 39	59.00 35
1944	2.50 13	2.90 12	3.70 15	7.60 26	13.00 29	18.00 29	21.00 26	26.00 26	30.00 18
1945	3.70 20	4.40 21	4.70 20	5.40 17	5.70 13	6.20 6	6.30 4	6.90 2	8.70 1
1946	9.20 38	10.00 37	14.00 41	14.00 32	16.00 34	30.00 43	50.00 47	81.00 47	95.00 44
1947	3.30 18	3.60 18	4.40 19	5.00 16	5.50 12	8.40 13	11.00 11	14.00 12	36.00 23
1948	13.00 45	14.00 46	16.00 46	18.00 43	26.00 47	29.00 40	34.00 40	39.00 35	64.00 40
1949	6.30 31	6.80 29	7.20 27	9.10 29	11.00 25	17.00 26	22.00 29	34.00 33	63.00 37
1950	12.00 42	12.00 41	15.00 42	20.00 44	25.00 45	33.00 46	34.00 41	36.00 34	57.00 33
1951	22.00 52	23.00 51	26.00 52	30.00 53	50.00 53	87.00 53	162.00 54	145.00 53	215.00 53
1952	4.80 25	4.90 24	5.20 23	5.80 18	7.20 18	9.00 14	12.00 13	17.00 16	41.00 25
1953	6.00 28	6.70 27	7.70 29	8.00 27	12.00 26	21.00 33	29.00 32	42.00 37	45.00 27
1954	1.70 8	1.90 6	2.60 7	3.10 7	3.80 5	4.30 3	5.20 3	7.30 3	14.00 5
1955	1.10 1	1.10 1	1.19 1	1.19 1	1.50 1	13.00 22	13.00 17	20.00 20	48.00 29
1956	1.30 5	1.40 5	1.80 5	2.30 4	4.00 6	12.00 21	33.00 37	49.00 42	89.00 43
1957	1.10 2	1.30 2	1.70 3	1.90 3	2.20 2	2.90 1	4.30 2	5.60 1	17.00 6
1958	12.00 43	13.00 42	15.00 43	16.00 40	23.00 42	26.00 36	34.00 38	45.00 40	173.00 52
1959	26.00 53	26.00 53	28.00 53	29.00 51	30.00 49	35.00 47	46.00 46	66.00 45	114.00 47
1960	2.90 14	3.10 13	3.20 12	3.50 9	4.10 7	7.10 9	12.00 14	20.00 21	49.00 30

## 03347000 WHITE RIVER AT MUNCIE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	1.60 6	3.30 16	3.50 13	3.60 10	5.20 10	6.70 7	7.60 6	8.60 6	9.30 2
1962	8.90 36	9.20 35	11.00 33	21.00 47	24.00 43	48.00 50	59.00 49	68.00 46	76.00 42
1963	6.10 29	7.20 32	9.70 31	12.00 30	14.00 30	20.00 32	21.00 27	27.00 27	29.00 16
1964	1.90 10	2.10 7	2.60 8	4.30 14	8.30 20	14.00 23	16.00 21	16.00 13	19.00 10
1965	3.10 15	3.20 14	3.90 17	4.20 12	6.70 15	7.40 10	9.20 8	10.00 7	12.00 3
1966	1.90 11	2.40 10	3.10 11	6.00 20	7.20 19	9.90 16	13.00 18	28.00 28	32.00 20
1967	3.20 16	3.30 15	3.70 16	3.90 11	4.50 8	5.90 5	6.60 5	7.40 4	17.00 7
1968	4.40 24	4.70 23	5.10 21	6.00 21	9.10 23	10.00 17	12.00 15	13.00 10	20.00 11
1969	7.30 34	11.00 38	13.00 37	15.00 35	16.00 35	18.00 27	34.00 39	85.00 49	125.00 48
1970	17.00 48	19.00 48	19.00 47	27.00 49	32.00 50	58.00 51	60.00 50	98.00 51	127.00 49
1971	9.00 37	9.70 36	12.00 34	16.00 41	18.00 38	19.00 30	21.00 28	21.00 22	27.00 14
1972	5.80 27	6.80 28	11.00 32	15.00 36	17.00 36	26.00 37	31.00 35	32.00 30	39.00 24
1973	9.70 39	11.00 39	13.00 38	15.00 37	18.00 37	30.00 44	55.00 48	84.00 48	131.00 50
1974	21.00 51	23.00 52	24.00 51	29.00 52	33.00 51	36.00 48	37.00 44	55.00 43	105.00 46
1975	7.30 35	7.80 33	12.00 35	14.00 33	15.00 32	22.00 34	27.00 31	29.00 29	51.00 31
1976	6.30 30	7.00 30	8.70 30	13.00 31	14.00 31	16.00 25	19.00 24	21.00 23	30.00 17
1977	3.30 19	3.60 19	4.10 18	5.00 15	5.40 11	9.10 15	9.60 9	10.00 8	13.00 4
1978	3.20 17	3.40 17	3.50 14	6.80 24	12.00 27	19.00 31	20.00 25	22.00 24	32.00 21
1979	6.90 32	8.80 34	12.00 36	20.00 45	34.00 52	47.00 49	64.00 51	87.00 50	101.00 45
1980	34.00 54	38.00 54	47.00 54	56.00 54	60.00 54	90.00 54	153.00 53	268.00 54	257.00 54
1981	19.00 49	20.00 49	22.00 50	22.00 48	26.00 46	33.00 45	35.00 42	34.00 31	58.00 34
1982	13.00 46	13.00 43	14.00 39	15.00 34	22.00 41	29.00 41	33.00 36	34.00 32	64.00 38
1983	7.00 33	7.00 31	7.30 28	8.90 28	9.50 24	11.00 19	14.00 19	17.00 17	35.00 22
1984	5.50 26	5.50 25	5.50 24	5.90 19	6.70 16	8.20 12	11.00 12	20.00 18	47.00 28
1985	12.00 44	13.00 44	15.00 44	18.00 42	19.00 39	26.00 38	30.00 33	41.00 36	64.00 39

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1932	2370.00 46	2070.00 41	1540.00 34	1160.00 29	767.00 31	547.00 32	448.00 36	367.00 39	278.00 40
1933	8580.00 3	6840.00 2	4370.00 2	2290.00 5	1380.00 6	1030.00 3	762.00 4	634.00 5	578.00 2
1934	1270.00 52	1100.00 50	777.00 50	434.00 50	319.00 50	222.00 50	160.00 52	142.00 52	117.00 51
1935	3100.00 36	2120.00 39	1520.00 35	867.00 43	471.00 49	294.00 49	233.00 49	196.00 49	140.00 49
1936	3110.00 35	2810.00 26	1570.00 33	878.00 42	562.00 44	493.00 39	422.00 40	335.00 42	240.00 45
1937	9720.00 2	5810.00 3	3240.00 4	2370.00 3	1520.00 3	1000.00 4	738.00 5	660.00 3	509.00 7
1938	4630.00 19	3910.00 12	2200.00 15	1460.00 16	1170.00 10	901.00 6	671.00 8	610.00 6	496.00 8
1939	5380.00 13	3580.00 19	2030.00 21	1170.00 27	678.00 37	602.00 26	545.00 22	437.00 28	316.00 33
1940	3420.00 30	3150.00 23	2040.00 19	1150.00 30	674.00 39	417.00 45	351.00 47	304.00 46	216.00 46
1941	750.00 54	641.00 53	372.00 54	274.00 54	152.00 54	87.00 54	73.00 54	65.00 54	64.00 54
1942	3720.00 27	2250.00 35	1470.00 38	1150.00 31	744.00 33	594.00 29	506.00 27	402.00 30	305.00 35
1943	8210.00 5	4940.00 6	3100.00 5	1990.00 6	1180.00 8	650.00 22	640.00 14	540.00 14	441.00 14
1944	6270.00 9	4290.00 9	2530.00 9	1510.00 14	1050.00 14	838.00 10	654.00 12	531.00 17	355.00 29
1945	4920.00 17	3890.00 13	2320.00 12	1280.00 23	710.00 34	512.00 37	473.00 30	485.00 23	359.00 28
1946	1960.00 48	1490.00 49	1160.00 47	792.00 47	515.00 47	365.00 46	393.00 42	330.00 44	297.00 36
1947	2750.00 42	1820.00 46	1230.00 45	919.00 41	677.00 38	592.00 30	501.00 28	404.00 29	348.00 30
1948	4020.00 25	3030.00 25	2120.00 17	1520.00 9	1410.00 5	841.00 9	670.00 9	572.00 11	417.00 19
1949	5150.00 16	3690.00 16	1960.00 22	1520.00 10	1240.00 7	869.00 7	726.00 6	644.00 4	523.00 6
1950	7670.00 6	5730.00 4	3060.00 6	2340.00 4	1710.00 1	1400.00 1	1100.00 1	926.00 1	714.00 1
1951	5280.00 15	3610.00 17	2040.00 18	1340.00 19	873.00 23	717.00 18	640.00 15	605.00 7	570.00 3
1952	4180.00 24	2590.00 28	1360.00 42	1110.00 33	806.00 28	653.00 21	584.00 19	546.00 13	452.00 12
1953	3280.00 32	2230.00 36	1410.00 41	989.00 40	552.00 45	363.00 47	392.00 43	343.00 41	289.00 38
1954	1410.00 51	936.00 51	566.00 52	398.00 52	318.00 51	215.00 51	173.00 50	148.00 51	112.00 52
1955	2780.00 40	1970.00 44	1180.00 46	864.00 44	602.00 43	474.00 40	456.00 34	399.00 31	294.00 37
1956	5380.00 14	3590.00 18	1820.00 26	1020.00 38	690.00 35	541.00 33	434.00 37	382.00 34	361.00 27
1957	5460.00 12	3880.00 14	2470.00 10	1510.00 11	1040.00 15	863.00 8	887.00 2	718.00 2	551.00 4
1958	8570.00 4	5680.00 5	4910.00 1	2660.00 1	1520.00 2	929.00 5	690.00 7	597.00 9	475.00 10
1959	7000.00 7	4900.00 7	2460.00 11	1380.00 18	1110.00 12	773.00 14	599.00 18	559.00 12	427.00 17
1960	2380.00 45	1880.00 45	1490.00 37	849.00 45	686.00 36	440.00 44	372.00 44	334.00 43	256.00 42
1961	3980.00 26	2590.00 29	1900.00 24	1390.00 17	936.00 19	820.00 11	661.00 10	538.00 15	384.00 23
1962	4560.00 21	2650.00 27	1430.00 40	994.00 39	642.00 40	520.00 36	464.00 32	373.00 37	279.00 39
1963	6580.00 8	3980.00 11	2210.00 14	1330.00 20	947.00 18	531.00 34	371.00 45	286.00 47	199.00 47
1964	11600.00 1	7470.00 1	4150.00 3	2370.00 2	1500.00 4	1120.00 2	782.00 3	601.00 8	410.00 20
1965	2820.00 39	2050.00 43	1150.00 48	752.00 48	638.00 41	471.00 41	429.00 39	351.00 40	242.00 43
1966	1520.00 50	918.00 52	622.00 51	405.00 51	314.00 52	187.00 52	172.00 51	165.00 50	133.00 50
1967	4480.00 22	4140.00 10	2760.00 7	1470.00 15	839.00 25	597.00 28	517.00 25	499.00 22	453.00 11
1968	3280.00 33	2400.00 32	1940.00 23	1070.00 36	615.00 42	462.00 42	408.00 41	380.00 35	371.00 25
1969	3150.00 34	2540.00 30	1610.00 31	1250.00 24	910.00 20	598.00 27	475.00 29	445.00 27	383.00 24
1970	2880.00 38	2230.00 37	1290.00 44	796.00 46	548.00 46	461.00 43	466.00 31	392.00 33	322.00 32

## 03347000 WHITE RIVER AT MUNCIE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	2670.00 44	2060.00 42	1700.00 29	1060.00 37	768.00 30	499.00 38	356.00 46	327.00 45	240.00 44
1972	2760.00 41	2120.00 40	1500.00 36	1080.00 34	750.00 32	531.00 35	431.00 38	379.00 36	348.00 31
1973	4580.00 20	3040.00 24	1620.00 30	1510.00 12	950.00 17	722.00 16	577.00 20	519.00 19	544.00 5
1974	2930.00 37	2320.00 33	1750.00 27	1300.00 21	777.00 29	617.00 24	556.00 21	513.00 20	385.00 22
1975	5580.00 11	3880.00 15	2030.00 20	1300.00 22	881.00 21	688.00 20	608.00 16	537.00 16	423.00 18
1976	3300.00 31	2280.00 34	1450.00 39	1190.00 25	828.00 26	586.00 31	451.00 35	370.00 38	262.00 41
1977	982.00 53	635.00 54	399.00 53	286.00 53	195.00 53	182.00 53	146.00 53	118.00 53	85.00 53
1978	3460.00 29	3160.00 21	2290.00 13	1830.00 7	1170.00 9	784.00 13	645.00 13	522.00 18	444.00 13
1979	4290.00 23	3150.00 22	2170.00 16	1710.00 8	1110.00 13	735.00 15	542.00 23	450.00 26	486.00 9
1980	4890.00 18	3320.00 20	1850.00 25	1080.00 35	843.00 24	614.00 25	506.00 26	471.00 25	407.00 21
1981	3520.00 28	2480.00 31	1310.00 43	1140.00 32	873.00 22	620.00 23	461.00 33	399.00 32	315.00 34
1982	2200.00 47	1800.00 47	1710.00 28	1190.00 26	1120.00 11	811.00 12	658.00 11	575.00 10	432.00 15
1983	1930.00 49	1640.00 48	986.00 49	600.00 49	513.00 48	351.00 48	261.00 48	220.00 48	186.00 48
1984	2720.00 43	2210.00 38	1590.00 32	1160.00 28	817.00 27	696.00 19	603.00 17	502.00 21	428.00 16
1985	5840.00 10	4780.00 8	2670.00 8	1510.00 13	983.00 16	719.00 17	524.00 24	476.00 24	366.00 26

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	164.00 19
1933	203.00 28
1934	210.00 30
1935	44.00 1
1936	146.00 15
1937	259.00 39
1938	288.00 46
1939	263.00 43
1940	117.00 11
1941	99.00 6
1942	116.00 10
1943	198.00 26
1944	222.00 32
1945	168.00 20
1946	261.00 40
1947	124.00 12
1948	262.00 42
1949	350.00 49
1950	343.00 48
1951	375.00 54
1952	265.00 44
1953	161.00 17
1954	94.00 3
1955	174.00 21
1956	213.00 31
1957	115.00 8
1958	356.00 50
1959	374.00 53
1960	195.00 25
1961	108.00 7
1962	254.00 37
1963	140.00 14
1964	94.00 4
1965	199.00 27
1966	116.00 9
1967	204.00 29
1968	190.00 24
1969	255.00 38
1970	235.00 34
1971	164.00 18
1972	139.00 13
1973	357.00 51
1974	284.00 45
1975	237.00 35
1976	179.00 22
1977	49.00 2
1978	181.00 23
1979	261.00 41
1980	368.00 52
1981	153.00 16
1982	308.00 47
1983	99.00 5
1984	226.00 33
1985	246.00 36

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	164.00 39
1933	333.00 3
1934	77.00 51
1935	80.00 49
1936	128.00 45
1937	331.00 4
1938	331.00 5
1939	179.00 36
1940	115.00 46
1941	42.00 54
1942	175.00 38
1943	261.00 13
1944	187.00 33
1945	191.00 31
1946	189.00 32
1947	200.00 29
1948	231.00 22
1949	306.00 9
1950	421.00 1
1951	323.00 8
1952	247.00 15
1953	161.00 40
1954	62.00 52
1955	183.00 34
1956	234.00 19
1957	290.00 11
1958	328.00 7
1959	234.00 20
1960	147.00 42
1961	207.00 28
1962	181.00 35
1963	111.00 47
1964	213.00 27
1965	131.00 44
1966	78.00 50
1967	238.00 17
1968	237.00 18
1969	253.00 14
1970	191.00 30
1971	135.00 43
1972	215.00 25
1973	364.00 2
1974	223.00 24
1975	228.00 23
1976	150.00 41
1977	49.00 53
1978	270.00 12
1979	330.00 6
1980	295.00 10
1981	176.00 37
1982	233.00 21
1983	109.00 48
1984	246.00 16
1985	213.00 26

03347000 WHITE RIVER AT MUNCIE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	DCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	*	*	*	*	*	*	223.00	33.30	18.90	21.50	59.50	29.50
1932	31.40	114.00	312.00	708.00	258.00	161.00	93.30	44.80	109.00	30.90	7.18	94.50
1933	93.30	263.00	574.00	371.00	173.00	570.00	424.00	1239.0	49.30	20.30	65.20	120.00
1934	52.40	40.20	102.00	88.30	27.70	267.00	169.00	34.80	76.70	17.20	10.30	32.40
1935	14.80	16.70	18.70	43.60	21.20	73.30	110.00	454.00	83.40	94.10	13.10	10.80
1936	13.90	30.00	45.40	75.00	478.00	349.00	258.00	242.00	36.70	10.90	9.38	7.52
1937	62.40	270.00	116.00	1457.0	469.00	177.00	467.00	173.00	260.00	159.00	251.00	112.00
1938	193.00	80.00	437.00	133.00	522.00	679.00	802.00	226.00	544.00	204.00	126.00	53.40
1939	24.20	73.40	74.50	163.00	393.00	500.00	671.00	95.40	92.80	53.60	27.90	9.34
1940	22.20	24.00	24.40	38.20	202.00	155.00	667.00	128.00	117.00	16.70	4.80	3.24
1941	11.60	29.00	71.90	43.70	67.10	39.00	46.40	16.40	152.00	21.40	5.87	5.45
1942	24.10	44.30	41.80	33.00	397.00	626.00	462.00	125.00	158.00	53.20	112.00	42.00
1943	16.10	71.10	272.00	190.00	279.00	600.00	112.00	1120.0	109.00	103.00	183.00	54.20
1944	20.20	45.30	23.20	14.50	178.00	680.00	966.00	238.00	61.90	9.55	6.87	5.71
1945	6.70	13.20	11.30	9.84	168.00	532.00	457.00	238.00	678.00	78.80	38.30	76.10
1946	162.00	126.00	313.00	262.00	295.00	424.00	84.10	315.00	162.00	99.20	18.80	7.03
1947	10.70	23.00	62.90	366.00	124.00	213.00	520.00	476.00	369.00	154.00	52.40	30.70
1948	36.50	41.30	74.60	338.00	314.00	735.00	876.00	152.00	89.70	84.90	23.60	13.70
1949	29.80	401.00	437.00	1207.0	429.00	459.00	195.00	126.00	202.00	116.00	29.50	38.40
1950	50.30	26.30	86.40	1654.0	1122.0	517.00	363.00	186.00	408.00	282.00	125.00	277.00
1951	96.30	403.00	615.00	534.00	785.00	465.00	616.00	212.00	103.00	65.90	15.40	8.37
1952	12.60	48.20	513.00	637.00	436.00	516.00	456.00	144.00	57.90	15.60	38.40	92.50
1953	20.30	50.60	146.00	220.00	203.00	490.00	123.00	536.00	58.20	44.00	25.10	4.44
1954	5.10	8.85	18.10	54.50	58.60	181.00	233.00	78.30	68.10	11.70	27.10	1.96
1955	141.00	77.50	154.00	380.00	392.00	531.00	207.00	90.90	76.80	73.60	15.30	70.90
1956	257.00	687.00	114.00	63.30	684.00	247.00	378.00	179.00	158.00	61.00	11.70	4.01
1957	2.30	7.33	52.40	208.00	220.00	106.00	1032.0	676.00	935.00	200.00	32.90	28.90
1958	47.50	105.00	742.00	177.00	129.00	167.00	260.00	308.00	1492.0	223.00	234.00	46.40
1959	32.20	102.00	81.20	747.00	610.00	384.00	411.00	349.00	69.00	26.20	8.61	7.64
1960	78.50	122.00	199.00	369.00	506.00	205.00	130.00	88.20	43.20	22.80	11.90	5.40
1961	8.38	14.90	6.57	10.50	131.00	822.00	789.00	252.00	163.00	54.20	119.00	109.00
1962	33.70	68.80	95.10	612.00	298.00	459.00	69.70	122.00	53.30	312.00	29.50	18.40
1963	22.50	44.70	41.30	24.80	24.60	896.00	129.00	55.30	20.60	23.00	16.20	15.90
1964	21.50	23.90	21.90	40.50	32.20	715.00	1476.0	129.00	58.50	35.20	8.82	7.93
1965	12.10	13.80	13.50	43.90	318.00	310.00	627.00	140.00	39.70	13.80	10.10	54.80
1966	72.30	19.70	26.40	117.00	188.00	99.00	161.00	206.00	32.00	9.95	6.13	7.35
1967	7.01	84.80	771.00	134.00	241.00	779.00	387.00	351.00	49.70	20.30	9.27	12.00
1968	14.40	19.10	525.00	273.00	413.00	209.00	289.00	489.00	231.00	129.00	226.00	21.40
1969	17.10	169.00	314.00	632.00	406.00	139.00	469.00	293.00	241.00	122.00	181.00	59.90
1970	72.50	258.00	140.00	271.00	349.00	376.00	483.00	139.00	136.00	34.80	26.80	20.80
1971	21.90	20.20	37.70	71.50	781.00	254.00	48.30	245.00	90.20	36.90	17.90	51.00
1972	37.60	24.00	419.00	268.00	104.00	316.00	743.00	219.00	173.00	91.60	24.70	162.00
1973	120.00	947.00	485.00	285.00	247.00	795.00	506.00	137.00	609.00	110.00	102.00	34.10
1974	40.20	117.00	325.00	704.00	354.00	381.00	360.00	136.00	145.00	49.60	30.00	38.00
1975	19.80	38.00	228.00	474.00	851.00	522.00	325.00	162.00	100.00	24.60	24.20	15.10
1976	25.70	28.40	123.00	322.00	694.00	326.00	72.50	45.00	76.70	63.30	16.30	24.20
1977	13.80	7.43	14.90	6.38	85.00	162.00	145.00	61.10	28.00	19.80	28.00	20.60
1978	66.40	39.70	613.00	103.00	50.20	963.00	513.00	393.00	120.00	109.00	165.00	76.80
1979	54.30	87.00	207.00	326.00	525.00	569.00	382.00	114.00	190.00	562.00	816.00	129.00
1980	66.60	563.00	368.00	201.00	239.00	774.00	296.00	117.00	595.00	108.00	169.00	55.40
1981	33.60	35.70	40.90	37.10	289.00	79.60	233.00	666.00	443.00	188.00	47.00	37.20
1982	46.20	22.10	124.00	384.00	665.00	860.00	320.00	152.00	173.00	40.50	23.70	12.00
1983	11.00	37.80	161.00	82.20	119.00	60.60	342.00	350.00	76.80	47.80	8.91	8.07
1984	42.50	220.00	435.00	82.10	421.00	682.00	691.00	201.00	62.80	66.20	28.80	26.10
1985	54.10	162.00	298.00	216.00	722.00	473.00	350.00	128.00	87.30	24.30	23.20	64.80

03347000 WHITE RIVER AT MUNCIE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
14.70	24.00	41.70	61.10	159.00	199.00
FIFTIETH PERCENTILE					
30.60	45.00	124.00	205.00	297.00	442.00
SEVENTY FIFTH PERCENTILE					
56.30	118.00	336.00	373.00	471.00	607.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
169.00	122.00	61.90	22.80	11.90	8.37
FIFTIETH PERCENTILE					
360.00	173.00	103.00	53.60	26.80	28.90
SEVENTY FIFTH PERCENTILE					
513.00	308.00	190.00	109.00	65.20	55.40

## 03347500 BUCK CREEK NEAR MUNCIE, IN

LOCATION.--Lat 40°08'05", long 85°22'25", in SW¼ sec.34, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, on left bank at downstream side of bridge on County Road 400 South, 1.0 mi upstream from Muncie Water Works Co. pumping station, 4.2 mi southeast of court house in Muncie, and at mile 10.6.

DRAINAGE AREA.--35.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1954 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 944.67 ft above National Geodetic Vertical Datum of 1929. Prior to May 5, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 36.1 ft<sup>3</sup>/s, 13.81 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,780 ft<sup>3</sup>/s Apr. 21, 1964, gage height, 13.96 ft; minimum daily, 4.7 ft<sup>3</sup>/s Jan. 17, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 15 ft, from information by local residents. Date unknown.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1955					3	4	35	38	29	51	36	37	17	30	18	18	8	8	10	11	5	2	2		2	1										
1956			3		2	15	19	24	20	42	26	39	40	44	27	20	12	6	5	6	2	6	1	2	1	2				1		1				
1957				5	2	23	33	21	17	54	34	30	20	17	20	18	15	8	8	10	6	7	3	8	3	1			1				1			
1958						1	14	15	32	72	63	60	33	16	12	8	10	5	3	3	5	3	1	4				1			1		2			1
1959						3	9	24	81	52	27	28	38	25	22	16	11	7	6	3	5	2	1	1	1	1					1	1				1
1960				6	8	17	19	21	24	61	48	51	34	21	13	10	7	5	4	7		5	2			1	1			1						
1961						31	71	49	27	27	35	20	19	9	13	8	10	9	9	7	3	5	2	4	3	1	1	1			1					
1962						35	43	58	80	36	37	19	12	10	7	5	2	4	3	2	3	1	3		2	2								1		
1963			2	12	30	36	74	34	23	56	15	26	12	9	5	9	4	5	2	4	1	1	2	1			1			1						
1964					85	76	35	9	11	40	25	16	14	13	6	5	4	3	2	3	3	4	1	4	2						3				1	1
1965			3	17	51	78	42	33	15	27	21	22	13	6	4	6	8	7	1	3	1	3			3				1							
1966				7	59	37	84	51	37	42	9	17	8	4		5	2				2	1														
1967					15	43	38	22	19	40	31	41	35	22	16	11	8	4	4	4			3			5	1			2			1			
1968					2	11	32	16	31	43	42	50	39	30	18	11	7	6	6	6			3	2	2	2	5			1					1	
1969						30	25	70	37	60	46	27	18	10	6	5	6	7	1	5	2	2	2	4					1		3					
1970						19	42	33	66	19	42	38	30	27	12	9	12	2	5	2	3			1					2		1					
1971					8	19	35	66	58	65	23	24	12	12	11	8	5	2	3	3	2	1	1			1			2	2	2					
1972					10	56	25	39	36	70	43	22	17	8	16	5	5	2	1	2	1	1	4	1	1	1			1		1					
1973						6	47	16	31	29	57	42	34	40	13	14	11	3	7	2	3	4	2							1	1	2				
1974						29	20	70	22	34	31	47	32	18	15	11	7	7	2	3	5	3	3	6												
1975						12	39	25	70	17	14	29	29	24	36	18	17	11	5	4	5	3	2			1	3									1
1976					12	23	23	41	47	67	35	26	24	17	11	6	5	4	6	5		6			3	1	2			1		1				
1977			3	13	23	26	31	75	47	29	33	16	22	13	8	5	6	4	2	3	2		3					1								
1978						6	25	75	40	52	33	19	26	20	15	10	6	11	1	8	3	5	3	1				2	1	1	1	1	1			
1979								37	29	74	68	49	29	15	13	10	9	9	2	4	2	2	3					2	1	3	2	1	1			
1980								22	19	47	81	53	32	31	23	13	10	9	5	9	2	1	2	2					3		2					
1981						1	18	32	18	103	41	44	26	20	14	10	10	5	8	6	1	1	2	1	1	1			1	1						
1982						25	30	84	35	35	31	22	24	11	15	10	7	4	2	10					5	4	3		5	2	1					
1983					17	31	47	19	54	31	59	38	21	11	8	7	8	3	4			3														
1984						3	26	26	43	31	49	26	28	41	24	12	13	12	12	4	7	2	2	2					1	2						
1985						11	36	35	67	35	34	37	23	18	14	8	9	9	10	3	8	1	1	2					1	2						1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	11323	100.00	12	29.0	966	4247	37.51	24	200.0	54	188	1.66
1	4.7	3	11323	100.00	13	34.0	799	3281	28.98	25	240.0	39	134	1.18
2	5.5	21	11320	99.97	14	40.0	590	2482	21.92	26	280.0	27	95	0.84
3	6.5	70	11299	99.79	15	47.0	437	1892	16.71	27	330.0	22	68	0.60
4	7.7	303	11229	99.17	16	55.0	339	1455	12.85	28	390.0	16	46	0.41
5	9.1	462	10926	96.49	17	65.0	231	1116	9.86	29	460.0	14	30	0.26
6	11.0	757	10464	92.41	18	76.0	193	885	7.82	30	550.0	6	16	0.14
7	13.0	893	9707	85.73	19	90.0	189	692	6.11	31	640.0	3	10	0.09
8	15.0	770	8814	77.84	20	110.0	63	503	4.44	32	760.0	3	7	0.06
9	17.0	1671	8044	71.04	21	120.0	135	440	3.89	33	890.0	3	4	0.04
10	21.0	924	6373	56.28	22	150.0	49	305	2.69	34	1100.0	1	1	0.01
11	24.0	1202	5449	48.12	23	170.0	68	256	2.26					



## 03347500 BUCK CREEK NEAR MUNCIE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.8  
 P90 = 11.7  
 P75 = 15.8  
 P70 = 17.3  
 P50 = 23.3  
 P25 = 37.4  
 P10 = 64.5

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1956	10.00 13	11.00 15	11.00 14	11.00 13	12.00 13	14.00 16	21.00 24	25.00 28	29.00 26
1957	5.80 3	6.10 3	8.10 8	8.60 7	9.10 7	9.80 7	10.00 7	11.00 5	13.00 7
1958	14.00 26	15.00 27	15.00 27	15.00 25	19.00 27	19.00 26	22.00 27	24.00 26	37.00 29
1959	19.00 30	19.00 30	20.00 30	20.00 29	21.00 29	22.00 28	23.00 28	23.00 25	30.00 27
1960	12.00 21	12.00 20	13.00 19	13.00 20	14.00 18	16.00 22	18.00 21	19.00 20	21.00 17
1961	7.60 7	7.60 7	7.70 6	8.00 4	9.20 8	10.00 8	11.00 8	11.00 6	12.00 5
1962	11.00 16	11.00 16	12.00 15	12.00 14	13.00 14	14.00 17	15.00 14	16.00 14	18.00 13
1963	6.00 4	6.30 4	7.30 4	9.10 11	9.90 11	12.00 11	12.00 9	12.00 9	13.00 8
1964	7.10 6	7.20 6	7.40 5	7.60 2	7.90 2	8.40 2	8.70 1	8.80 1	10.00 3
1965	5.60 2	5.90 2	6.80 2	8.00 5	8.60 4	8.90 3	9.20 4	9.10 2	9.70 1
1966	8.10 9	8.10 9	8.20 9	8.40 6	8.60 5	9.20 5	10.00 5	11.00 7	12.00 6
1967	6.50 5	6.80 5	7.00 3	7.80 3	8.50 3	9.00 4	8.90 2	9.20 3	11.00 4
1968	8.60 11	8.70 11	8.90 11	8.90 9	9.10 6	9.50 6	10.00 6	11.00 8	14.00 9
1969	13.00 22	14.00 25	14.00 25	14.00 21	14.00 19	15.00 18	16.00 18	18.00 18	23.00 19
1970	12.00 17	12.00 17	13.00 20	14.00 22	15.00 24	20.00 27	21.00 25	25.00 27	27.00 25
1971	10.00 14	10.00 13	10.00 13	12.00 15	14.00 20	15.00 19	15.00 15	15.00 11	17.00 12
1972	8.40 10	8.50 10	8.80 10	9.10 10	9.80 10	11.00 9	14.00 11	15.00 12	16.00 10
1973	12.00 18	12.00 18	13.00 21	13.00 16	14.00 21	18.00 23	21.00 26	22.00 24	26.00 24
1974	13.00 23	13.00 21	13.00 22	14.00 23	15.00 22	15.00 20	16.00 19	18.00 19	24.00 20
1975	15.00 27	15.00 26	15.00 26	16.00 27	18.00 25	19.00 24	19.00 22	21.00 23	25.00 22
1976	12.00 19	12.00 19	12.00 16	13.00 17	13.00 15	13.00 12	14.00 12	14.00 10	16.00 11
1977	4.70 1	5.10 1	5.50 1	5.90 1	6.30 1	7.80 1	9.20 3	9.80 4	10.00 2
1978	7.80 8	7.90 8	8.10 7	8.70 8	9.40 9	13.00 13	15.00 16	17.00 15	20.00 14
1979	17.00 28	17.00 28	18.00 28	18.00 28	20.00 28	23.00 29	26.00 29	28.00 29	31.00 28
1980	18.00 29	18.00 29	18.00 29	21.00 30	26.00 30	30.00 30	34.00 30	47.00 30	47.00 30
1981	10.00 15	11.00 14	12.00 17	13.00 18	13.00 16	14.00 14	16.00 17	17.00 16	21.00 15
1982	12.00 20	13.00 22	14.00 23	15.00 26	18.00 26	19.00 25	19.00 23	20.00 21	26.00 23
1983	13.00 24	13.00 23	13.00 18	13.00 19	13.00 17	14.00 15	14.00 13	17.00 17	22.00 18
1984	9.70 12	9.90 12	9.90 12	10.00 12	11.00 12	11.00 10	13.00 10	16.00 13	21.00 16
1985	13.00 25	13.00 24	14.00 24	14.00 24	15.00 23	16.00 21	18.00 20	20.00 22	24.00 21

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	240.00 30	154.00 29	97.00 29	76.00 29	65.00 29	58.00 25	53.00 24	51.00 22	44.00 22
1956	577.00 11	278.00 17	170.00 22	106.00 25	78.00 25	62.00 23	55.00 23	55.00 18	48.00 17
1957	725.00 7	359.00 11	198.00 14	133.00 16	118.00 9	104.00 4	99.00 2	86.00 2	67.00 4
1958	1050.00 2	592.00 3	426.00 2	246.00 2	156.00 3	109.00 3	86.00 4	75.00 5	60.00 11
1959	980.00 3	593.00 2	295.00 4	168.00 7	134.00 6	96.00 8	78.00 10	74.00 6	62.00 9
1960	385.00 23	226.00 26	168.00 23	108.00 24	88.00 21	63.00 22	57.00 21	51.00 23	43.00 24
1961	533.00 12	303.00 14	224.00 12	158.00 10	118.00 10	98.00 6	86.00 5	74.00 7	56.00 13
1962	700.00 8	368.00 10	195.00 15	130.00 18	84.00 22	72.00 17	63.00 16	54.00 19	43.00 25
1963	370.00 26	276.00 18	182.00 17	123.00 22	95.00 19	64.00 21	49.00 28	43.00 28	34.00 28
1964	1260.00 1	917.00 1	479.00 1	281.00 1	169.00 1	130.00 1	97.00 3	78.00 3	56.00 14
1965	373.00 25	193.00 28	119.00 28	84.00 28	70.00 27	55.00 28	52.00 25	44.00 27	34.00 29
1966	112.00 31	86.00 31	56.00 31	38.00 31	28.00 31	25.00 31	22.00 31	21.00 31	20.00 31
1967	500.00 14	377.00 9	237.00 11	134.00 15	80.00 24	55.00 29	51.00 26	51.00 24	47.00 18
1968	858.00 5	449.00 5	288.00 5	168.00 8	102.00 14	68.00 19	59.00 17	56.00 15	51.00 15
1969	443.00 18	288.00 16	174.00 20	129.00 19	102.00 15	69.00 18	55.00 22	56.00 16	51.00 16
1970	454.00 17	224.00 27	136.00 27	89.00 27	66.00 28	58.00 26	59.00 18	53.00 20	46.00 19

## WABASH RIVER BASIN

03347500 BUCK CREEK NEAR MUNCIE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	421.00	21	300.00	15	242.00	9	146.00	12	119.00	8	76.00	16	58.00	19	51.00	25	41.00	26
1972	424.00	20	275.00	19	151.00	25	111.00	23	81.00	23	59.00	24	51.00	27	46.00	26	46.00	20
1973	499.00	15	320.00	13	176.00	19	144.00	13	107.00	13	88.00	11	81.00	8	74.00	8	70.00	1
1974	275.00	28	232.00	24	187.00	16	147.00	11	97.00	18	80.00	15	77.00	11	72.00	10	60.00	10
1975	832.00	6	431.00	6	237.00	10	158.00	9	114.00	11	93.00	9	84.00	7	78.00	4	66.00	5
1976	480.00	16	267.00	20	177.00	18	132.00	17	110.00	12	81.00	13	65.00	15	56.00	17	44.00	23
1977	257.00	29	129.00	30	94.00	30	71.00	30	48.00	30	41.00	30	35.00	30	30.00	30	25.00	30
1978	585.00	10	409.00	8	256.00	7	196.00	4	135.00	5	97.00	7	85.00	6	74.00	9	63.00	6
1979	679.00	9	416.00	7	267.00	6	200.00	3	144.00	4	93.00	10	75.00	13	64.00	14	69.00	3
1980	520.00	13	324.00	12	204.00	13	127.00	21	100.00	16	80.00	14	72.00	14	69.00	11	62.00	7
1981	440.00	19	266.00	21	172.00	21	134.00	14	97.00	17	67.00	20	58.00	20	52.00	21	45.00	21
1982	395.00	22	263.00	22	245.00	8	174.00	6	158.00	2	121.00	2	100.00	1	87.00	1	70.00	2
1983	329.00	27	232.00	25	148.00	26	92.00	26	76.00	26	56.00	27	47.00	29	42.00	29	39.00	27
1984	379.00	24	245.00	23	159.00	24	128.00	20	94.00	20	86.00	12	77.00	12	69.00	12	62.00	8
1985	884.00	4	534.00	4	302.00	3	188.00	5	130.00	7	99.00	5	79.00	9	69.00	13	59.00	12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	38.00	17
1957	25.00	5
1958	52.00	28
1959	54.00	29
1960	37.00	16
1961	25.00	6
1962	40.00	19
1963	23.00	4
1964	22.00	3
1965	32.00	11
1966	20.00	2
1967	26.00	7
1968	28.00	10
1969	40.00	20
1970	39.00	18
1971	33.00	12
1972	26.00	8
1973	48.00	26
1974	46.00	24
1975	45.00	23
1976	36.00	15
1977	18.00	1
1978	34.00	14
1979	47.00	25
1980	57.00	30
1981	33.00	13
1982	52.00	27
1983	28.00	9
1984	41.00	21
1985	44.00	22

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	33.00	19
1956	38.00	13
1957	42.00	8
1958	50.00	4
1959	42.00	9
1960	31.00	22
1961	35.00	16
1962	30.00	25
1963	23.00	28
1964	33.00	20
1965	22.00	29
1966	15.00	31
1967	31.00	23
1968	37.00	15
1969	38.00	14
1970	34.00	17
1971	28.00	26
1972	34.00	18
1973	53.00	1
1974	42.00	10
1975	42.00	11
1976	30.00	24
1977	19.00	30
1978	47.00	5
1979	51.00	2
1980	51.00	3
1981	32.00	21
1982	46.00	6
1983	28.00	27
1984	43.00	7
1985	39.00	12

03347500 BUCK CREEK NEAR MUNCIE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	28.40	16.20	21.80	42.60	48.10	61.80	45.50	25.80	36.20	33.70	14.40	27.20
1956	38.70	77.40	27.50	20.60	66.40	41.20	57.30	51.30	30.80	19.90	12.90	9.89
1957	9.77	11.70	19.00	28.30	30.90	22.70	101.00	79.50	118.00	43.60	23.00	20.80
1958	23.50	31.30	84.90	43.70	31.50	28.50	31.20	49.10	153.00	41.80	53.70	23.70
1959	21.30	27.30	21.70	96.20	76.60	52.70	58.00	64.30	29.50	22.10	17.00	15.10
1960	21.30	26.90	29.90	52.10	73.20	41.50	29.50	29.10	24.90	18.10	12.00	9.42
1961	11.40	11.60	10.80	14.00	26.50	99.10	95.70	52.50	39.10	22.90	17.20	15.30
1962	13.90	18.80	19.10	79.00	40.20	66.90	23.00	22.80	18.90	33.40	14.50	12.40
1963	13.50	14.20	10.20	15.90	12.30	88.80	36.00	19.10	26.00	17.70	10.60	8.13
1964	8.73	9.30	11.30	15.30	11.20	88.60	166.00	34.30	20.80	15.10	9.83	8.59
1965	9.22	9.97	8.77	16.30	41.90	41.30	69.10	21.40	14.20	11.00	9.00	12.40
1966	15.60	12.30	12.20	22.90	26.90	16.40	16.70	22.60	13.40	8.64	9.36	8.81
1967	11.10	19.60	76.90	25.00	30.20	63.50	41.80	44.80	24.10	14.80	10.30	9.13
1968	11.20	12.40	50.40	35.40	51.80	33.00	42.30	89.60	38.50	32.90	34.30	15.80
1969	14.30	20.80	32.80	73.60	53.90	26.20	60.90	35.20	51.30	39.00	33.00	20.30
1970	22.60	43.10	27.30	37.20	45.70	50.40	61.10	33.80	30.80	18.10	19.90	14.80
1971	15.40	15.20	16.80	20.80	123.00	35.00	18.50	33.20	22.00	13.10	10.10	23.90
1972	17.00	14.00	67.30	33.90	21.60	38.20	80.40	33.40	29.90	25.80	18.60	22.80
1973	23.50	99.30	63.10	44.80	41.80	97.00	75.10	41.90	78.60	32.50	23.60	17.30
1974	15.60	23.90	47.80	87.80	50.10	60.30	64.50	38.70	38.00	34.00	21.40	22.70
1975	18.30	20.50	44.70	59.10	106.00	77.50	66.90	40.20	36.30	17.40	14.40	13.30
1976	15.60	14.40	27.50	59.90	86.90	47.50	21.50	20.20	24.70	26.20	12.30	9.25
1977	10.80	11.70	10.90	6.36	33.80	34.90	30.40	17.50	15.10	16.80	22.30	17.40
1978	29.60	18.00	77.30	29.60	19.10	111.00	70.70	65.50	39.00	28.60	41.50	24.70
1979	24.30	30.40	42.70	45.90	69.60	77.20	50.30	28.50	40.80	70.80	108.00	29.00
1980	31.30	81.70	58.50	41.70	42.80	94.30	52.10	38.50	80.20	27.90	43.40	19.90
1981	19.70	18.00	16.40	13.60	47.00	19.20	28.60	78.40	51.10	41.90	29.70	23.80
1982	20.20	18.90	32.90	76.40	102.00	117.00	43.30	33.60	35.90	19.50	37.40	13.90
1983	14.10	17.60	41.80	30.00	26.90	22.20	51.20	59.60	29.90	22.20	12.60	10.60
1984	21.10	49.30	62.60	24.30	62.50	81.70	85.00	45.30	27.10	23.70	18.40	17.50
1985	19.80	40.90	43.00	38.90	92.90	77.30	56.20	37.20	25.50	16.80	14.80	13.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
13.50	14.00	16.80	20.80	30.20	34.90
FIFTIETH PERCENTILE					
17.00	18.80	29.90	35.40	45.70	52.70
SEVENTY FIFTH PERCENTILE					
22.60	30.40	50.40	52.10	69.60	81.70
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
31.20	28.50	24.69	17.39	12.30	10.60
FIFTIETH PERCENTILE					
52.10	37.20	30.80	22.90	17.19	15.30
SEVENTY FIFTH PERCENTILE					
69.10	51.30	39.10	33.40	29.70	22.69

LOCATION.--Lat 40°06'20", long 85°40'16", in NW¼NW¼ sec.18, T.19 N., R.8 E., Madison County, Hydrologic Unit 05120201, on downstream side of abandoned Twelfth Street bridge abutment, 250 ft upstream from municipal water-supply plant in Anderson, 1 mi upstream from Killbuck Creek, and at mile 293.3.

PERIOD OF RECORD.--July 1925 to September 1926, October 1931 to September 1985. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 950 ft downstream December 1910 to February 1918, 250 ft downstream from February 1918 to Sept. 14, 1973, and at present site since Sept. 15, 1973, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Anderson.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 825.02 ft above National Geodetic Vertical Datum of 1929. Prior to May 12, 1934, nonrecording gage at present site and datum. May 12, 1934, to Sept. 14, 1973, nonrecording gage at site 250 ft downstream at same datum. Sept. 15, 1973, to Sept. 23, 1976, nonrecording gage at present site and datum.

**AVERAGE DISCHARGE.--**55 years, 381 ft<sup>3</sup>/s, 12.74 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,700 ft<sup>3</sup>/s Apr. 21, 1964, gage height, 19.41 ft; maximum gage height, 19.96 ft June 14, 1958; minimum daily discharge, 9.1 ft<sup>3</sup>/s Sept. 24, 1940.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 23.6 ft Mar. 25, 1913, at site 250 ft downstream and at present datum, based on determination of National Weather Service at site then in use, discharge, 28,000 ft<sup>3</sup>/s.

[illegible]

## 03348000 WHITE RIVER AT ANDERSON, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1971				9	6	13	38	75	32	70	33	15	10	18	7	8	11	4	6	1	2	2	3	2				
1972							7	69	28	36	33	34	43	31	21	11	12	9	11	7	3	7	4					
1973									9	18	30	27	41	32	25	30	34	34	25	22	14	10	8	1	4	1		
1974							2	9	44	41	38	19	33	49	26	25	19	11	13	9	9	6	6	2	3	1		
1975							2	22	74	33	23	11	24	47	28	21	19	12	10	15	3	11	5	1	1	1	1	
1976									1	37	60	38	67	44	21	16	24	16	8	10	2	6	5	5	1	2	1	2
1977																												
1978																												
1979																												
1980																												
1981																												
1982																												
1983																												
1984																												
1985																												

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	19723	100.00	12	110.0	1355	13373	67.80	24	1600.0	242	835	4.23
1	9.1	1	19723	100.00	13	130.0	2174	12018	60.93	25	2000.0	181	593	3.01
2	11.0	6	19722	99.99	14	170.0	1565	9844	49.91	26	2500.0	143	412	2.09
3	14.0	19	19716	99.96	15	210.0	1450	8279	41.98	27	3100.0	102	269	1.36
4	18.0	56	19697	99.87	16	260.0	1450	6829	34.62	28	3900.0	70	167	0.85
5	22.0	117	19641	99.58	17	330.0	1110	5379	27.27	29	4900.0	47	97	0.49
6	28.0	139	19524	98.99	18	410.0	980	4269	21.64	30	6100.0	26	50	0.25
7	35.0	380	19385	98.29	19	520.0	729	3289	16.68	31	7600.0	10	24	0.12
8	44.0	775	19005	96.36	20	650.0	562	2560	12.98	32	9500.0	9	14	0.07
9	55.0	1177	18230	92.43	21	810.0	441	1998	10.13	33	12000.0	4	5	0.03
10	68.0	1586	17053	86.46	22	1000.0	444	1557	7.89	34	15000.0	1	1	0.01
11	86.0	2094	15467	78.42	23	1300.0	278	1113	5.64					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	47.8
P90 =	60.3
P75 =	93.7
P70 =	105.0
P50 =	170.0
P25 =	362.0
P10 =	821.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1933	16.00 3	22.00 5	27.00 6	31.00 6	37.00 6	55.00 14	78.00 22	99.00 24	132.00 31
1934	64.00 39	65.00 36	66.00 36	67.00 33	73.00 30	89.00 31	102.00 32	119.00 36	131.00 29
1935	18.00 4	19.00 3	21.00 3	23.00 3	31.00 5	42.00 6	45.00 5	47.00 5	48.00 3
1936	27.00 7	28.00 7	28.00 7	31.00 7	38.00 7	42.00 7	47.00 6	59.00 9	84.00 13
1937	19.00 5	20.00 4	23.00 4	25.00 4	30.00 3	32.00 3	35.00 3	42.00 2	89.00 14
1938	82.00 47	82.00 47	92.00 48	95.00 47	100.00 47	169.00 50	210.00 50	218.00 50	269.00 48
1939	51.00 25	51.00 25	55.00 25	67.00 34	73.00 31	80.00 28	89.00 27	108.00 31	128.00 26
1940	25.00 6	25.00 6	25.00 5	27.00 5	31.00 4	35.00 4	47.00 7	50.00 6	59.00 5
1941	9.10 1	13.00 2	16.00 2	19.00 2	21.00 1	22.00 1	24.00 1	29.00 1	44.00 1
1942	12.00 2	12.00 1	13.00 1	14.00 1	21.00 2	22.00 2	34.00 2	43.00 3	55.00 4
1943	42.00 19	43.00 18	46.00 18	47.00 16	50.00 16	60.00 17	73.00 20	91.00 21	106.00 20
1944	62.00 37	63.00 34	63.00 33	67.00 35	69.00 28	75.00 26	80.00 24	87.00 20	101.00 18
1945	30.00 9	30.00 8	32.00 8	35.00 8	39.00 9	40.00 5	42.00 4	45.00 4	45.00 2
1946	55.00 31	57.00 30	60.00 31	66.00 31	66.00 26	92.00 34	123.00 44	192.00 48	201.00 43
1947	34.00 12	35.00 12	36.00 11	36.00 9	38.00 8	44.00 8	52.00 9	59.00 10	98.00 16
1948	65.00 40	67.00 41	71.00 39	79.00 39	99.00 45	108.00 42	118.00 42	120.00 38	162.00 36
1949	53.00 28	55.00 26	56.00 26	61.00 26	67.00 27	78.00 27	86.00 26	119.00 37	184.00 41
1950	63.00 38	65.00 37	68.00 37	72.00 36	77.00 34	96.00 38	100.00 30	106.00 29	137.00 33
1951	94.00 50	96.00 50	102.00 50	111.00 50	136.00 52	177.00 51	249.00 52	238.00 51	343.00 51
1952	52.00 26	55.00 27	58.00 27	61.00 27	62.00 22	65.00 20	68.00 18	79.00 18	131.00 27
1953	52.00 27	55.00 28	59.00 29	65.00 29	79.00 35	90.00 32	106.00 37	115.00 34	126.00 25
1954	46.00 22	47.00 23	47.00 21	49.00 17	49.00 15	51.00 12	56.00 12	62.00 11	76.00 10
1955	32.00 10	32.00 10	35.00 9	38.00 11	40.00 10	55.00 13	59.00 13	72.00 16	108.00 21

## 03348000 WHITE RIVER AT ANDERSON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	39.00 16	39.00 15	42.00 14	42.00 13	54.00 18	73.00 24	105.00 34	139.00 41	197.00 42
1957	46.00 23	46.00 21	46.00 19	46.00 15	47.00 13	49.00 11	54.00 11	62.00 12	83.00 12
1958	92.00 49	95.00 49	97.00 49	99.00 48	119.00 49	133.00 49	143.00 46	163.00 45	344.00 52
1959	111.00 52	111.00 52	114.00 52	118.00 52	120.00 50	131.00 48	154.00 48	179.00 46	251.00 47
1960	54.00 29	56.00 29	58.00 28	59.00 24	64.00 23	74.00 25	83.00 25	100.00 25	142.00 34
1961	37.00 14	37.00 13	44.00 16	53.00 21	56.00 19	58.00 15	62.00 14	62.00 13	67.00 7
1962	65.00 41	71.00 44	75.00 42	86.00 44	91.00 42	122.00 47	130.00 45	140.00 42	162.00 37
1963	69.00 44	70.00 43	73.00 40	76.00 37	87.00 39	92.00 33	100.00 31	103.00 27	103.00 19
1964	35.00 13	35.00 11	36.00 12	40.00 12	41.00 11	48.00 9	52.00 10	53.00 7	61.00 6
1965	51.00 24	51.00 24	51.00 23	51.00 19	60.00 21	66.00 21	69.00 19	72.00 17	81.00 11
1966	54.00 30	59.00 31	60.00 30	64.00 28	66.00 24	68.00 22	74.00 21	93.00 22	101.00 17
1967	29.00 8	30.00 9	35.00 10	37.00 10	43.00 12	49.00 10	51.00 8	54.00 8	70.00 8
1968	40.00 17	46.00 22	51.00 24	56.00 23	58.00 20	60.00 18	63.00 15	69.00 15	92.00 15
1969	61.00 35	63.00 35	64.00 34	66.00 30	75.00 33	81.00 29	109.00 38	160.00 44	227.00 46
1970	95.00 51	100.00 51	106.00 51	114.00 51	125.00 51	204.00 52	227.00 51	273.00 52	287.00 49
1971	40.00 18	40.00 17	43.00 15	52.00 20	91.00 40	94.00 37	96.00 29	99.00 23	109.00 22
1972	39.00 15	39.00 16	46.00 17	55.00 22	73.00 32	93.00 35	110.00 39	113.00 33	124.00 23
1973	78.00 46	81.00 46	89.00 46	93.00 46	98.00 44	121.00 46	154.00 49	197.00 49	287.00 50
1974	83.00 48	85.00 48	91.00 47	104.00 49	114.00 48	117.00 44	121.00 43	154.00 43	209.00 45
1975	65.00 42	67.00 38	73.00 41	81.00 41	83.00 36	94.00 36	105.00 35	117.00 35	174.00 40
1976	73.00 45	76.00 45	78.00 44	83.00 42	87.00 37	97.00 39	105.00 36	110.00 32	131.00 28
1977	45.00 20	45.00 19	47.00 20	50.00 18	53.00 17	60.00 19	63.00 16	66.00 14	71.00 9
1978	45.00 21	46.00 20	48.00 22	61.00 25	66.00 25	82.00 30	94.00 28	107.00 30	126.00 24
1979	65.00 43	67.00 39	69.00 38	76.00 38	91.00 41	121.00 45	150.00 47	179.00 47	205.00 44
1980	148.00 53	153.00 53	166.00 53	183.00 53	195.00 53	231.00 53	316.00 53	470.00 53	457.00 53
1981	62.00 36	67.00 40	77.00 43	80.00 40	87.00 38	97.00 40	104.00 33	104.00 28	148.00 35
1982	60.00 33	68.00 42	81.00 45	86.00 43	100.00 46	113.00 43	115.00 40	121.00 39	169.00 39
1983	61.00 34	62.00 33	63.00 32	67.00 32	70.00 29	72.00 23	79.00 23	100.00 26	132.00 30
1984	34.00 11	38.00 14	40.00 13	45.00 14	49.00 14	59.00 16	67.00 17	85.00 19	136.00 32
1985	58.00 32	60.00 32	65.00 35	88.00 45	95.00 43	103.00 41	116.00 41	129.00 40	164.00 38

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1926	8100.00 16	6480.00 12	5570.00 4	3700.00 4	2590.00 2	1630.00 4	1120.00 10	886.00 19	750.00 15
1933	14000.00 3	9920.00 2	6390.00 2	3480.00 6	2140.00 8	1670.00 2	1260.00 3	1050.00 5	931.00 2
1934	1860.00 50	1550.00 50	1120.00 50	642.00 51	487.00 51	345.00 52	262.00 53	238.00 53	210.00 53
1935	4200.00 38	3220.00 37	2450.00 33	1440.00 40	825.00 47	524.00 49	452.00 49	380.00 49	285.00 49
1936	4300.00 37	4010.00 29	2330.00 36	1310.00 45	845.00 45	688.00 43	604.00 45	486.00 46	364.00 47
1937	14900.00 2	9620.00 3	5390.00 5	3970.00 1	2530.00 3	1610.00 5	1250.00 4	1100.00 3	854.00 8
1938	7120.00 19	6110.00 15	3520.00 16	2840.00 10	2170.00 7	1590.00 6	1180.00 6	1060.00 4	859.00 7
1939	9640.00 11	6340.00 13	3870.00 11	2250.00 17	1280.00 30	1070.00 22	980.00 20	793.00 25	575.00 31
1940	5240.00 26	4710.00 23	3200.00 20	1750.00 31	1020.00 41	637.00 46	524.00 47	457.00 47	336.00 48
1941	922.00 54	805.00 54	550.00 54	448.00 54	274.00 54	176.00 54	137.00 54	124.00 54	114.00 54
1942	4810.00 29	2950.00 42	1890.00 44	1630.00 35	1050.00 37	884.00 33	775.00 30	631.00 36	474.00 41
1943	11400.00 7	7850.00 8	4700.00 7	2990.00 9	1790.00 14	1010.00 25	952.00 23	802.00 24	660.00 24
1944	10300.00 9	6660.00 10	3850.00 12	2320.00 14	1550.00 18	1210.00 18	956.00 22	782.00 26	539.00 34
1945	5800.00 24	4980.00 21	3150.00 21	1780.00 30	1060.00 36	827.00 36	740.00 35	753.00 27	573.00 32
1946	3160.00 46	2240.00 49	1740.00 46	1150.00 48	799.00 49	617.00 47	640.00 43	550.00 44	502.00 36
1947	3880.00 42	2720.00 45	1840.00 45	1420.00 41	1090.00 34	964.00 31	809.00 29	672.00 32	593.00 28
1948	6570.00 21	4710.00 24	3400.00 18	2580.00 12	2380.00 4	1460.00 8	1140.00 9	998.00 8	755.00 14
1949	8330.00 15	5320.00 18	2900.00 25	2300.00 15	1950.00 12	1400.00 12	1170.00 7	1040.00 6	835.00 9
1950	11800.00 5	9150.00 4	5030.00 6	3760.00 3	2840.00 1	2310.00 1	1840.00 1	1540.00 1	1180.00 1
1951	9120.00 13	6090.00 16	3240.00 19	2240.00 18	1370.00 26	1170.00 19	1060.00 17	968.00 9	906.00 4
1952	5710.00 25	4250.00 26	2300.00 37	1860.00 28	1340.00 27	1050.00 23	970.00 21	906.00 17	740.00 17
1953	4400.00 36	2980.00 40	1970.00 42	1410.00 43	830.00 46	576.00 48	630.00 44	558.00 43	480.00 40
1954	1490.00 53	1250.00 51	795.00 53	612.00 52	528.00 50	374.00 51	316.00 51	277.00 51	219.00 52
1955	3530.00 45	2760.00 44	1720.00 47	1200.00 46	821.00 48	669.00 44	641.00 42	600.00 40	471.00 42
1956	6760.00 20	4860.00 22	2620.00 31	1520.00 38	1040.00 38	867.00 35	717.00 36	668.00 33	583.00 30
1957	8870.00 14	6310.00 14	3480.00 17	2210.00 19	1660.00 17	1420.00 11	1410.00 2	1170.00 2	897.00 5
1958	11700.00 6	9040.00 5	7050.00 1	3950.00 2	2290.00 5	1480.00 7	1100.00 12	959.00 11	749.00 16
1959	10700.00 8	6880.00 9	3630.00 14	2090.00 23	1780.00 15	1260.00 17	988.00 19	941.00 12	731.00 18
1960	3910.00 41	2960.00 41	2370.00 35	1420.00 42	1150.00 33	777.00 40	676.00 41	617.00 38	489.00 38

## 03348000 WHITE RIVER AT ANDERSON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	5010.00	27	3820.00	30	2990.00	24	2210.00	20	1540.00	19	1330.00	14	1090.00	13	908.00	16	663.00	23
1962	6450.00	22	4080.00	28	2230.00	38	1610.00	36	1020.00	39	868.00	34	761.00	32	630.00	37	499.00	37
1963	10100.00	10	7910.00	7	4450.00	9	2540.00	13	1680.00	16	980.00	28	711.00	37	565.00	42	404.00	45
1964	15100.00	1	11200.00	1	6150.00	3	3540.00	5	2210.00	6	1650.00	3	1190.00	5	927.00	13	648.00	26
1965	3100.00	48	2300.00	48	1580.00	49	1150.00	47	940.00	42	773.00	41	696.00	38	577.00	41	423.00	43
1966	1510.00	52	1120.00	53	803.00	52	564.00	53	467.00	52	309.00	53	279.00	52	275.00	52	235.00	50
1967	4850.00	28	4310.00	25	3010.00	22	1700.00	32	1160.00	31	916.00	32	827.00	28	732.00	28	672.00	22
1968	4750.00	31	3700.00	31	2800.00	27	1680.00	34	1020.00	40	767.00	42	682.00	39	673.00	31	649.00	25
1969	4500.00	34	4120.00	27	2810.00	26	1890.00	27	1470.00	22	990.00	27	757.00	33	721.00	30	616.00	27
1970	4400.00	35	3270.00	36	2080.00	40	1310.00	44	932.00	43	822.00	37	843.00	27	724.00	29	587.00	29
1971	3820.00	43	2790.00	43	2430.00	34	1570.00	37	1160.00	32	792.00	39	576.00	46	545.00	45	413.00	44
1972	3090.00	49	2530.00	47	1930.00	43	1490.00	39	1080.00	35	804.00	38	681.00	40	600.00	39	568.00	33
1973	3980.00	39	3180.00	38	2040.00	41	1830.00	29	1330.00	28	1100.00	21	942.00	24	824.00	23	886.00	6
1974	3920.00	40	3520.00	34	2720.00	29	2130.00	22	1290.00	29	1010.00	26	941.00	25	868.00	20	699.00	21
1975	9160.00	12	6550.00	11	3620.00	15	2280.00	16	1530.00	21	1170.00	20	1070.00	16	963.00	10	771.00	13
1976	4780.00	30	3560.00	33	2590.00	32	2000.00	25	1410.00	24	967.00	30	766.00	31	644.00	35	484.00	39
1977	1720.00	51	1190.00	52	869.00	51	653.00	50	443.00	53	397.00	50	339.00	50	284.00	50	221.00	51
1978	5910.00	23	5250.00	19	3740.00	13	3040.00	8	1990.00	10	1330.00	15	1110.00	11	904.00	18	782.00	10
1979	7570.00	17	5460.00	17	4100.00	10	3080.00	7	2080.00	9	1350.00	13	1030.00	18	842.00	21	926.00	3
1980	7310.00	18	5250.00	20	3010.00	23	1690.00	33	1370.00	25	1020.00	24	895.00	26	840.00	22	704.00	20
1981	4620.00	33	3620.00	32	2150.00	39	1960.00	26	1450.00	23	979.00	29	750.00	34	647.00	34	519.00	35
1982	3630.00	44	3120.00	39	2790.00	28	2080.00	24	1980.00	11	1450.00	9	1170.00	8	1020.00	7	778.00	12
1983	3120.00	47	2700.00	46	1720.00	48	1070.00	49	925.00	44	655.00	45	504.00	48	440.00	48	385.00	46
1984	4740.00	32	3360.00	35	2670.00	30	2160.00	21	1540.00	20	1280.00	16	1090.00	14	920.00	14	782.00	11
1985	12100.00	4	8440.00	6	4660.00	8	2790.00	11	1900.00	13	1420.00	10	1070.00	15	917.00	15	729.00	19

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1933	354.00	23
1934	367.00	28
1935	88.00	1
1936	265.00	13
1937	420.00	32
1938	504.00	45
1939	457.00	38
1940	220.00	8
1941	162.00	3
1942	201.00	5
1943	297.00	18
1944	387.00	31
1945	282.00	15
1946	444.00	35
1947	239.00	11
1948	477.00	40
1949	596.00	48
1950	602.00	49
1951	593.00	47
1952	465.00	39
1953	301.00	19
1954	202.00	6
1955	282.00	16
1956	367.00	29
1957	250.00	12
1958	612.00	51
1959	633.00	52
1960	386.00	30
1961	235.00	9
1962	448.00	36
1963	291.00	17
1964	185.00	4
1965	364.00	26
1966	217.00	7
1967	309.00	20
1968	359.00	24
1969	454.00	37
1970	434.00	33

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1926	623.00	3
1933	552.00	7
1934	143.00	52
1935	169.00	49
1936	209.00	47
1937	551.00	8
1938	572.00	5
1939	337.00	33
1940	189.00	48
1941	80.00	54
1942	282.00	42
1943	430.00	24
1944	305.00	40
1945	323.00	35
1946	340.00	32
1947	364.00	30
1948	444.00	18
1949	509.00	11
1950	704.00	1
1951	540.00	10
1952	434.00	21
1953	304.00	41
1954	141.00	53
1955	309.00	39
1956	418.00	25
1957	506.00	12
1958	557.00	6
1959	433.00	22
1960	315.00	37
1961	377.00	29
1962	333.00	34
1963	250.00	45
1964	354.00	31
1965	254.00	44
1966	159.00	50
1967	382.00	28
1968	436.00	20
1969	432.00	23

03348000 WHITE RIVER AT ANDERSON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	321.00	22
1972	271.00	14
1973	602.00	50
1974	488.00	43
1975	478.00	41
1976	365.00	27
1977	154.00	2
1978	363.00	25
1979	483.00	42
1980	666.00	53
1981	309.00	21
1982	554.00	46
1983	237.00	10
1984	436.00	34
1985	489.00	44

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	386.00	26
1971	261.00	43
1972	384.00	27
1973	609.00	4
1974	438.00	19
1975	449.00	16
1976	311.00	38
1977	150.00	51
1978	494.00	13
1979	629.00	2
1980	542.00	9
1981	316.00	36
1982	455.00	15
1983	246.00	46
1984	474.00	14
1985	447.00	17

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1926	275.00	1295.0	317.00	336.00	452.00	324.00	904.00	116.00	197.00	93.30	647.00	2587.0
1932	*	*	*	*	*	*	295.00	141.00	181.00	90.50	39.60	177.00
1933	170.00	353.00	762.00	703.00	314.00	999.00	759.00	1949.0	141.00	74.70	135.00	219.00
1934	136.00	112.00	195.00	172.00	87.70	386.00	294.00	82.30	93.40	50.50	46.00	60.00
1935	42.20	45.40	50.00	88.40	67.50	137.00	209.00	802.00	209.00	272.00	48.50	38.20
1936	56.70	96.90	118.00	146.00	737.00	463.00	356.00	381.00	76.60	37.90	34.80	33.80
1937	95.40	405.00	140.00	2359.0	794.00	333.00	861.00	352.00	403.00	264.00	421.00	203.00
1938	319.00	174.00	737.00	200.00	804.00	1326.0	1418.0	422.00	869.00	339.00	183.00	106.00
1939	73.30	135.00	125.00	276.00	707.00	872.00	1255.0	215.00	176.00	137.00	79.60	35.90
1940	41.60	67.00	55.30	85.50	296.00	226.00	1001.0	195.00	226.00	51.30	25.10	20.90
1941	30.30	50.00	95.60	81.10	100.00	81.50	94.00	41.50	273.00	77.80	25.30	20.90
1942	56.20	88.00	83.00	77.00	687.00	923.00	673.00	247.00	238.00	79.20	178.00	92.00
1943	51.10	128.00	329.00	304.00	423.00	831.00	199.00	1678.0	268.00	280.00	477.00	161.00
1944	73.70	121.00	84.20	70.10	285.00	918.00	1463.0	382.00	132.00	53.60	50.40	39.70
1945	41.60	51.80	50.00	44.40	297.00	798.00	796.00	404.00	971.00	161.00	109.00	168.00
1946	372.00	227.00	456.00	463.00	486.00	731.00	186.00	516.00	322.00	200.00	72.20	41.30
1947	49.30	76.80	154.00	594.00	304.00	352.00	844.00	779.00	626.00	306.00	171.00	115.00
1948	123.00	122.00	139.00	639.00	556.00	1295.0	1453.0	298.00	293.00	257.00	90.30	75.40
1949	93.90	529.00	654.00	1901.0	777.00	748.00	386.00	261.00	328.00	212.00	109.00	115.00
1950	132.00	83.20	183.00	2740.0	1882.0	866.00	615.00	372.00	623.00	451.00	211.00	362.00
1951	175.00	584.00	922.00	775.00	1346.0	753.00	1021.0	403.00	243.00	190.00	77.50	65.80
1952	67.20	153.00	605.00	1072.0	774.00	916.00	764.00	303.00	176.00	96.60	108.00	179.00
1953	85.30	126.00	294.00	362.00	340.00	782.00	265.00	801.00	197.00	212.00	115.00	57.80
1954	51.90	60.10	84.40	127.00	134.00	306.00	437.00	175.00	131.00	72.70	72.30	41.10
1955	226.00	144.00	218.00	599.00	473.00	798.00	447.00	208.00	219.00	162.00	86.40	129.00
1956	379.00	1034.0	216.00	136.00	1007.0	432.00	703.00	506.00	343.00	161.00	91.80	54.00
1957	48.40	62.30	148.00	312.00	352.00	234.00	1554.0	1058.0	1575.0	456.00	155.00	140.00
1958	157.00	234.00	1106.0	344.00	234.00	324.00	398.00	538.00	2232.0	450.00	500.00	163.00
1959	121.00	238.00	196.00	1103.0	1071.0	649.00	724.00	674.00	202.00	115.00	80.90	70.70
1960	193.00	235.00	388.00	651.00	895.00	422.00	329.00	250.00	184.00	120.00	78.90	56.80
1961	60.40	70.60	61.70	82.70	162.00	1344.0	1304.0	529.00	342.00	164.00	214.00	184.00
1962	98.10	151.00	165.00	937.00	492.00	802.00	189.00	272.00	158.00	495.00	127.00	99.80
1963	93.50	117.00	111.00	101.00	96.40	1598.0	293.00	185.00	122.00	97.90	91.50	70.50
1964	53.90	61.60	45.10	61.40	77.30	1045.0	2164.0	309.00	151.00	153.00	77.10	65.80
1965	69.20	78.90	88.50	154.00	486.00	611.00	928.00	267.00	119.00	81.00	66.90	124.00
1966	153.00	94.50	100.00	215.00	291.00	187.00	248.00	359.00	104.00	60.20	58.80	50.20
1967	49.60	116.00	935.00	240.00	410.00	1062.0	721.00	648.00	169.00	97.10	62.70	60.50
1968	69.50	98.90	830.00	444.00	722.00	391.00	600.00	868.00	450.00	244.00	419.00	94.80
1969	75.50	233.00	487.00	913.00	864.00	224.00	701.00	414.00	419.00	305.00	346.00	245.00
1970	270.00	459.00	270.00	429.00	661.00	714.00	892.00	329.00	288.00	137.00	120.00	96.20
1971	92.20	101.00	119.00	136.00	1154.0	471.00	154.00	425.00	213.00	114.00	75.90	150.00
1972	121.00	104.00	661.00	488.00	202.00	522.00	1078.0	419.00	318.00	204.00	117.00	378.00
1973	290.00	1321.0	865.00	618.00	473.00	1148.0	879.00	322.00	761.00	280.00	236.00	121.00
1974	126.00	228.00	529.00	1170.0	586.00	632.00	716.00	379.00	391.00	229.00	131.00	139.00
1975	84.60	115.00	399.00	889.00	1462.0	882.00	627.00	391.00	261.00	127.00	127.00	95.50
1976	106.00	139.00	263.00	498.00	1186.0	604.00	204.00	156.00	210.00	222.00	94.30	83.20
1977	77.50	68.90	66.40	57.40	276.00	346.00	314.00	171.00	98.60	86.60	148.00	101.00
1978	204.00	136.00	1074.0	201.00	155.00	1621.0	892.00	707.00	250.00	206.00	300.00	137.00
1979	144.00	204.00	403.00	568.00	884.00	1126.0	680.00	268.00	419.00	1026.0	1547.0	269.00
1980	206.00	881.00	624.00	387.00	411.00	1242.0	589.00	302.00	1095.0	256.00	368.00	154.00
1981	107.00	108.00	113.00	92.10	410.00	151.00	343.00	1090.0	759.00	339.00	159.00	134.00
1982	137.00	109.00	232.00	630.00	1177.0	1567.0	614.00	302.00	329.00	134.00	202.00	75.30
1983	69.60	114.00	353.00	207.00	272.00	183.00	635.00	660.00	191.00	155.00	71.60	50.50
1984	125.00	422.00	772.00	182.00	720.00	1246.0	1247.0	438.00	153.00	161.00	132.00	110.00
1985	125.00	327.00	498.00	432.00	1331.0	996.00	816.00	322.00	233.00	115.00	108.00	138.00



03348000 WHITE RIVER AT ANDERSON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
65.50	92.90	113.00	136.00	290.00	351.00
FIFTIETH PERCENTILE					
96.70	124.00	225.00	340.00	480.00	740.00
SEVENTY FIFTH PERCENTILE					
154.00	234.00	548.00	632.00	797.00	997.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
329.00	261.00	176.00	96.60	75.90	60.00
FIFTIETH PERCENTILE					
680.00	372.00	238.00	161.00	109.00	101.00
SEVENTY FIFTH PERCENTILE					
892.00	529.00	391.00	257.00	183.00	154.00

03348020 KILLBUCK CREEK NEAR GASTON, IN

LOCATION.--Lat 40°15'45", long 85°30'53", in SE¼SW¼ sec.16, T.21 N., R.9 E., Delaware County, Hydrologic Unit 05120201, on right bank 30 ft upstream from bridge on County Road 500 North, 3.6 mi southwest of Gaston, and at mile 15.6.

DRAINAGE AREA.--25.5 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 873.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 25.1 ft<sup>3</sup>/s, 13.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1200 ft<sup>3</sup>/s June 2, 1980, gage height, 12.70 ft; minimum daily, 0.76 ft<sup>3</sup>/s Jan. 19, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1969								13	53	12	32	28	35	18	29	32	22	20	17	6	14	9	8	3	2	4	1	2	3	2							
1970								8	17	12	24	44	40	31	40	32	30	25	18	10	7	10	5	4	1	1	3	3									
1971								57	55	55	27	16	22	16	21	23	11	10	11	9	11	7	4	3		2	2	2	1								
1972								3	31	20	6	22	35	35	22	30	31	22	28	21	14	11	9	4	9	2	3	4		1	3						
1973									4	19	14	31	10	23	35	32	36	45	28	22	20	13	12	6	2	5	3	4	1								
1974									4	68	44	12	8	14	25	41	23	22	21	18	11	15	11	7	3	6	5	1	6								
1975								8	21	34	17	43	16	13	5	12	17	14	24	32	18	24	14	19	9	9	7	2	3	2	1	1					
1976					2	23	13	27	30	18	20	36	24	35	23	17	13	9	20	10	12	6	5	6	6	1	3	2	2	2	1						
1977			30	21	29	56	32	36	24	16	8	17	16	14	11	15	11	7	5	5	2	5	3	1	1												
1978								3	20	61	63	30	22	18	22	14	14	23	10	12	10	8	5	3	3	8	5	3	4	4							
1979								3	9	5	35	25	27	34	22	38	41	28	24	16	14	9	8	5	8	2	3	3	3	2	1						
1980										1	22	36	52	16	38	30	24	29	22	21	17	18	11	12	4	6	4					1			1	1	
1981											27	80	52	38	15	16	17	18	19	20	13	8	13	9	10	4	1	3	2								
1982							13	12	8	12	14	30	40	17	22	14	29	27	13	14	11	15	14	13	4	7	5	8	11	5	3	3	1				
1983																																					
1984																																					
1985																																					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.00	12	8.0	472	3663	58.99	24	110.0	48	254	4.09
1	0.76	32	6209	100.00	13	10.0	292	3191	51.39	25	130.0	58	206	3.32
2	0.94	46	6177	99.48	14	12.0	449	2899	46.69	26	160.0	58	148	2.38
3	1.2	64	6131	98.74	15	15.0	442	2450	39.46	27	200.0	33	90	1.45
4	1.5	126	6067	97.71	16	19.0	322	2008	32.34	28	250.0	32	57	0.92
5	1.8	126	5941	95.68	17	23.0	343	1686	27.15	29	310.0	19	25	0.40
6	2.2	164	5815	93.65	18	29.0	272	1343	21.63	30	380.0	2	6	0.10
7	2.8	285	5651	91.01	19	36.0	228	1071	17.25	31	470.0	0	4	0.06
8	3.4	291	5366	86.42	20	45.0	176	843	13.58	32	580.0	2	4	0.06
9	4.2	425	5075	81.74	21	55.0	179	667	10.74	33	720.0	1	2	0.03
10	5.2	552	4650	74.89	22	69.0	118	488	7.86	34	900.0	1	1	0.02
11	6.5	435	4098	66.00	23	85.0	116	370	5.96					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.9  
P90 = 2.9  
P75 = 5.2  
P70 = 5.9  
P50 = 10.6  
P25 = 25.3  
P10 = 58.6

## 03348020 KILLBUCK CREEK NEAR GASTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	3.30 11	3.30 11	3.50 11	3.80 11	4.10 11	7.20 14	9.80 16	10.00 14	14.00 14
1971	2.80 10	2.90 10	3.00 10	3.20 10	3.30 8	3.60 8	3.80 8	4.20 8	6.00 8
1972	2.50 7	2.60 7	2.80 8	3.10 9	3.10 7	3.30 7	3.40 7	3.70 7	4.60 4
1973	5.90 16	5.90 16	6.00 16	6.10 16	6.30 16	7.40 15	8.70 14	10.00 15	18.00 15
1974	4.40 14	4.40 14	4.40 14	4.50 12	5.10 13	5.50 11	5.90 11	9.30 13	13.00 13
1975	2.70 9	2.70 8	2.80 9	2.90 8	3.70 10	4.50 10	4.90 9	5.00 9	9.00 9
1976	2.10 6	2.10 6	2.20 6	2.20 6	2.30 6	2.60 6	2.90 6	3.00 5	5.50 6
1977	0.76 1	0.77 1	0.80 1	0.84 1	0.87 1	1.00 1	1.19 1	1.40 1	1.50 1
1978	0.96 3	0.99 3	1.10 3	1.30 3	1.70 4	2.30 5	2.50 5	3.20 6	4.30 2
1979	2.60 8	2.70 9	2.80 7	2.90 7	3.50 9	4.40 9	5.90 10	6.10 10	10.00 10
1980	4.10 13	4.10 12	4.30 12	4.90 14	5.30 14	6.90 13	9.50 15	17.00 16	19.00 16
1981	4.50 15	4.60 15	4.60 15	4.90 15	5.40 15	6.10 12	6.10 12	6.30 11	10.00 11
1982	3.90 12	4.20 13	4.30 13	4.60 13	4.80 12	7.60 16	7.30 13	9.30 12	12.00 12
1983	1.50 5	1.50 5	1.60 5	1.70 5	1.80 5	1.90 4	2.30 4	2.80 4	5.10 5
1984	1.00 4	1.00 4	1.10 4	1.10 2	1.19 2	1.50 2	2.10 2	2.70 3	5.80 7
1985	0.85 2	0.92 2	0.98 2	1.40 4	1.60 3	1.90 3	2.10 3	2.60 2	4.60 3

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	355.00 6	271.00 7	176.00 8	146.00 9	99.00 6	71.00 9	53.00 11	51.00 9	40.00 9
1970	250.00 14	180.00 14	114.00 15	73.00 15	48.00 16	37.00 16	38.00 15	34.00 15	31.00 14
1971	280.00 13	210.00 13	172.00 10	114.00 12	79.00 13	55.00 14	41.00 14	38.00 14	29.00 15
1972	323.00 10	317.00 5	212.00 5	136.00 10	99.00 7	65.00 11	53.00 12	44.00 13	40.00 10
1973	313.00 11	255.00 11	144.00 13	135.00 11	91.00 11	73.00 7	59.00 7	52.00 8	56.00 2
1974	293.00 12	255.00 12	212.00 6	152.00 7	96.00 9	77.00 4	66.00 5	63.00 3	51.00 3
1975	332.00 8	273.00 6	157.00 12	106.00 13	75.00 14	64.00 13	59.00 8	56.00 6	48.00 5
1976	338.00 7	264.00 10	176.00 9	147.00 8	109.00 5	72.00 8	54.00 9	45.00 11	33.00 13
1977	95.00 17	65.00 17	52.00 17	34.00 17	26.00 17	21.00 17	20.00 17	16.00 17	12.00 17
1978	377.00 4	340.00 4	296.00 3	228.00 1	154.00 2	98.00 3	73.00 3	62.00 4	48.00 6
1979	359.00 5	270.00 8	169.00 11	155.00 5	95.00 10	65.00 12	49.00 13	44.00 12	38.00 11
1980	966.00 1	776.00 1	384.00 1	202.00 2	123.00 4	73.00 5	70.00 4	64.00 2	51.00 4
1981	239.00 15	173.00 15	136.00 14	104.00 14	85.00 12	67.00 10	53.00 10	46.00 10	38.00 12
1982	414.00 3	357.00 3	258.00 4	187.00 4	169.00 1	124.00 1	101.00 1	88.00 1	64.00 1
1983	222.00 16	172.00 16	106.00 16	67.00 16	59.00 15	43.00 15	33.00 16	28.00 16	24.00 16
1984	326.00 9	264.00 9	204.00 7	152.00 6	97.00 8	73.00 6	64.00 6	52.00 7	46.00 7
1985	717.00 2	548.00 2	314.00 2	201.00 3	143.00 3	103.00 2	74.00 2	62.00 5	46.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	22.00 6
1971	20.00 4
1972	15.00 3
1973	40.00 15
1974	33.00 14
1975	30.00 13
1976	25.00 7
1977	7.50 1
1978	21.00 5
1979	25.00 8
1980	28.00 12
1981	26.00 9
1982	45.00 16
1983	13.00 2
1984	26.00 10
1985	26.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	25.00 10
1970	22.00 13
1971	16.00 15
1972	25.00 11
1973	38.00 1
1974	31.00 4
1975	28.00 6
1976	20.00 14
1977	6.70 17
1978	29.00 5
1979	26.00 7
1980	36.00 2
1981	23.00 12
1982	35.00 3
1983	14.00 16
1984	26.00 8
1985	26.00 9

## WABASH RIVER BASIN

03348020 KILLBUCK CREEK NEAR GASTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	*	38.40	13.20	31.70	5.16
1969	3.47	8.91	38.30	76.10	40.80	17.30	45.10	18.00	16.20	7.07	9.49	14.80
1970	20.70	40.80	16.70	23.90	29.30	24.80	47.80	16.20	17.30	7.91	14.80	3.76
1971	3.38	4.50	8.24	8.89	75.20	37.70	12.20	29.80	10.60	4.41	3.13	3.61
1972	4.62	3.24	39.20	29.30	10.10	32.40	97.40	28.90	14.00	10.10	6.64	29.30
1973	17.30	90.60	55.20	29.60	29.80	76.90	51.70	22.30	50.00	14.00	18.30	5.91
1974	5.39	16.70	44.60	86.10	42.50	40.70	49.40	35.80	22.50	13.30	5.03	5.92
1975	4.06	5.60	38.10	58.90	70.90	48.80	45.20	19.60	36.60	6.07	3.31	2.46
1976	3.15	3.89	15.50	29.40	86.60	46.00	9.91	7.15	21.20	9.69	3.00	1.63
1977	1.86	1.77	1.40	0.89	8.70	23.20	13.00	16.00	5.42	2.07	2.93	2.67
1978	7.69	4.81	59.90	9.79	4.69	120.00	65.60	27.10	16.60	19.50	8.69	5.28
1979	4.26	8.60	21.00	23.80	42.00	62.20	35.10	15.80	28.00	16.90	42.00	8.92
1980	6.55	32.90	37.90	18.50	23.00	68.90	41.00	20.80	123.00	14.80	30.10	13.00
1981	6.91	5.57	7.19	5.89	29.40	15.90	29.20	84.00	43.90	21.60	12.70	13.10
1982	8.32	8.01	19.80	68.50	89.20	139.00	45.50	14.00	19.20	7.42	3.59	1.84
1983	1.98	4.66	23.60	10.90	15.80	11.80	45.30	38.60	9.63	5.66	2.53	1.21
1984	3.04	21.90	52.50	7.26	47.20	83.10	60.10	17.30	7.88	5.48	2.12	1.98
1985	2.25	8.64	19.20	25.00	85.00	83.70	50.10	18.20	12.10	4.25	3.05	2.38

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.09	4.58	16.10	9.34	19.40	24.00
FIFTIETH PERCENTILE					
4.26	8.01	23.60	23.90	40.80	46.00
SEVENTY FIFTH PERCENTILE					
7.30	19.30	41.90	44.20	73.00	80.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
32.10	16.10	11.70	5.61	3.04	2.28
FIFTIETH PERCENTILE					
45.30	19.60	18.19	8.80	5.83	4.46
SEVENTY FIFTH PERCENTILE					
50.90	29.30	37.00	14.20	15.70	9.94

## 03348100 KILLBUCK CREEK NEAR ANDERSON, IN

LOCATION.--Lat 40°08'18", long 85°39'44", in SW¼ sec.31, T.20 N., R.8 E., Madison County, Hydrologic Unit 05120201, on downstream side of State Highway 109 bridge, 900 ft downstream from Little Killbuck Creek, 2.1 mi from mouth and 2.3 mi northeast of county courthouse at Anderson.

DRAINAGE AREA.--97.8 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1964 to September 1968 (discontinued).

GAGE.--Wire-weight gage, crest-stage gage and SR recorder. Gage read twice daily. Datum of gage is 833.58 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Flood Control and Water Resources Commission).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,480 ft<sup>3</sup>/s Dec. 10, 1966, gage height, 8.98 ft; minimum daily, 5.0 ft<sup>3</sup>/s Oct. 4, 1968.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1965				2	15	55	42	44	34	12	16	17	NUMBER OF DAYS IN CLASS																							
													20	10	12	15	14	8	9	8	6	3	5	5	6	2	2	1	1	1						
1966					5	34	20	11	20	53	64	41	34	28	14	15	12	1	2	2	3		2	1	3											
1967		3	3	2	31	29	20	21	22	31	22	20	20	26	15	12	20	9	8	10	7	5	7	8	4	4	1	2			1	1			1	
1968		3	2		1	2	2	16	42	20	16	45	32	25	23	13	29	14	17	17	10	8	5	6	6	2	1	1	3		2		1		2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1461	100.00	12	38.0	106	623	42.64	24	330.0	19	48	3.29
1	5.2	6	1461	100.00	13	46.0	89	517	35.39	25	400.0	8	29	1.98
2	6.2	5	1455	99.59	14	55.0	64	428	29.29	26	480.0	4	21	1.44
3	7.5	4	1450	99.25	15	65.0	55	364	24.91	27	570.0	4	17	1.16
4	9.0	52	1446	98.97	16	78.0	75	309	21.15	28	690.0	4	13	0.89
5	11.0	120	1394	95.41	17	94.0	32	234	16.02	29	820.0	1	9	0.62
6	13.0	84	1274	87.20	18	110.0	36	202	13.83	30	980.0	3	8	0.55
7	15.0	92	1190	81.45	19	130.0	37	166	11.36	31	1200.0	1	5	0.34
8	18.0	118	1098	75.15	20	160.0	26	129	8.83	32	1400.0	1	4	0.27
9	22.0	116	980	67.08	21	190.0	16	103	7.05	33	1700.0	0	3	0.21
10	26.0	118	864	59.14	22	230.0	19	87	5.95	34	2000.0	3	3	0.21
11	32.0	123	746	51.06	23	280.0	20	68	4.65					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	11.1
P90 =	12.3
P75 =	18.1
P70 =	20.5
P50 =	32.8
P25 =	64.8
P10 =	146.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	9.40 3	9.70 3	9.80 3	11.00 3	11.00 3	13.00 3	14.00 3	15.00 3	25.00 3
1967	8.60 2	8.90 2	9.20 2	9.50 2	9.90 2	11.00 1	12.00 1	13.00 1	21.00 2
1968	5.20 1	5.70 1	6.10 1	6.80 1	9.80 1	11.00 2	13.00 2	14.00 2	17.00 1

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	850.00 3	657.00 3	426.00 3	293.00 3	208.00 3	183.00 2	166.00 2	143.00 3	107.00 3
1966	345.00 4	308.00 4	204.00 4	125.00 4	79.00 4	72.00 4	65.00 4	58.00 4	53.00 4
1967	2000.00 2	1270.00 2	771.00 2	428.00 2	259.00 2	179.00 3	152.00 3	157.00 2	137.00 2
1968	2060.00 1	1730.00 1	1240.00 1	677.00 1	382.00 1	257.00 1	205.00 1	179.00 1	151.00 1

## WABASH RIVER BASIN

03348100 KILLBUCK CREEK NEAR ANDERSON, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	52.00	1
1967	68.00	2
1968	85.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	61.00	3
1966	40.00	4
1967	78.00	2
1968	103.00	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1964	*	*	*	*	*	*	*	*	*	*	22.20	16.80
1965	15.40	14.70	19.10	78.00	128.00	163.00	201.00	50.10	27.50	14.30	13.50	14.00
1966	55.50	28.60	28.90	74.30	70.30	51.20	35.90	51.50	38.40	20.30	13.30	11.70
1967	10.00	40.40	233.00	58.50	72.10	226.00	124.00	98.30	26.40	17.50	13.70	11.20
1968	15.50	20.70	187.00	162.00	264.00	87.30	117.00	89.50	89.30	57.20	127.00	21.90

## 03348350 PIPE CREEK AT FRANKTON, IN

LOCATION.--Lat 40°13'38", long 85°45'58", in SE¼NE¼ sec.31, T.21 N., R.7 E., Madison County, Hydrologic Unit 05120201, on right bank 20 ft downstream from bridge on County Road 500 West, at northeast edge of Frankton.

DRAINAGE AREA.--113 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 810.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 103 ft<sup>3</sup>/s, 12.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,340 ft<sup>3</sup>/s June 3, 1980, gage height, 14.78 ft; minimum daily, 3.6 ft<sup>3</sup>/s Oct. 3, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 10, 1958, reached a stage of 15.5 ft, from floodmark determined by State of Indiana, Department of Natural Resources, discharge, 4,900 ft<sup>3</sup>/s.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969						9	56	17	14	32	27	30	28	25	24	21	12	9	12	14	7	6	5	1	3	3	4	1	1	4					
1970				3	9	4	22	18	15	21	31	23	23	25	36	20	23	27	11	9	11	5	11	2	5	1	3	1	5	1					
1971		2	4	15	17	20	9	26	29	37	27	40	27	29	12	12	7	11	7	4	8	2	5	4	3	1	1		4	1	1				
1972			3	4	4	5	13	25	38	20	11	24	30	22	23	23	24	18	10	11	7	13	8	6	2	6	5	3	4	1	1	1	1		
1973							3	9	18	21	18	21	18	22	31	25	25	21	25	24	22	21	19	10	13	8	15	5	4	4	2	3	1		
1974						12	16	18	37	20	22	8	10	17	33	26	22	18	11	15	13	12	6	4	12	13	6	4	2	3	4	1			
1975				2	29	23	24	13	27	19	11	5	9	18	19	23	20	24	19	22	11	18	5	4	5	8	4	1		2					
1976					3	26	15	29	29	34	22	25	34	22	14	20	23	9	6	9	8	8	4	3	6	3	5	3	1	2		1	2		
1977			22	38	62	56	29	22	10	14	10	14	14	13	13	6	6	8	5	9	5	3	2	2	2										
1978						6	19	58	47	39	23	12	12	20	15	16	14	9	10	12	5	11	4	5	7	3	5	3	4	3	3				
1979				3	8	23	9	1	41	35	37	26	27	28	21	20	18	7	9	10	3	9	6	2	10	4	3		1	2	1	1			
1980				3	5	5	11	12	23	24	37	28	26	26	23	26	16	12	14	17	11	10	8	8	7	7		2	2		1	1	1		
1981					1	14	79	41	29	32	24	19	12	16	12	15	13	11	6	6	9	8	10	1	3	1	2	1							
1982					10	15	9	33	33	26	32	22	18	28	13	13	7	11	11	10	8	11	8	8	6	6	8	5	8	2	2	2			
1983		9	24	12	27	29	16	12	7	9	18	25	27	25	30	19	15	13	4	14	8	4	4	5	1	2	2	3	1						
1984		4	7	6	14	20	16	29	20	20	15	19	15	9	20	19	20	22	12	13	12	8	10	10	2	10	5	3	2	3	1				
1985				9	43	40	14	15	9	8	31	23	22	23	27	19	10	12	7	7	4	7	4	10	2	3	6	2	4	1	1			2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	33.0	358	3324	53.54	24	360.0	75	402	6.47
1	3.6	15	6209	100.00	13	40.0	349	2966	47.77	25	440.0	88	327	5.27
2	4.4	60	6194	99.76	14	49.0	385	2617	42.15	26	540.0	82	239	3.85
3	5.4	87	6134	98.79	15	60.0	316	2232	35.95	27	660.0	47	157	2.53
4	6.6	197	6047	97.39	16	73.0	303	1916	30.86	28	810.0	43	110	1.77
5	8.0	270	5850	94.22	17	89.0	263	1613	25.98	29	990.0	24	67	1.08
6	9.8	239	5580	89.87	18	110.0	181	1350	21.74	30	1200.0	24	43	0.69
7	12.0	425	5341	86.02	19	130.0	195	1169	18.83	31	1500.0	11	19	0.31
8	15.0	372	4916	79.18	20	160.0	187	974	15.69	32	1800.0	4	8	0.13
9	18.0	399	4544	73.18	21	200.0	140	787	12.68	33	2200.0	3	4	0.06
10	22.0	418	4145	66.76	22	240.0	143	647	10.42	34	2700.0	1	1	0.02
11	27.0	403	3727	60.03	23	300.0	102	504	8.12					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 7.7  
P90 = 9.7  
P75 = 17.1  
P70 = 20.0  
P50 = 37.3  
P25 = 93.9  
P10 = 251.0

## 03348350 PIPE CREEK AT FRANKTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	11.00 14	11.00 13	12.00 14	14.00 14	15.00 14	38.00 16	43.00 16	40.00 14	59.00 13
1971	4.20 2	4.30 2	4.80 3	6.20 4	7.80 6	9.40 6	11.00 5	14.00 4	18.00 2
1972	5.10 6	5.50 6	6.10 5	7.50 8	8.00 7	12.00 8	15.00 7	16.00 7	18.00 3
1973	4.50 4	5.30 5	6.20 6	7.40 7	9.00 8	17.00 13	31.00 14	37.00 13	66.00 14
1974	15.00 15	15.00 15	15.00 15	16.00 15	18.00 15	20.00 14	22.00 13	51.00 15	81.00 16
1975	7.50 10	7.80 10	8.10 9	8.80 9	9.60 9	12.00 9	12.00 6	15.00 5	28.00 8
1976	8.30 12	8.70 12	9.40 12	10.00 12	11.00 11	14.00 10	16.00 8	17.00 8	38.00 12
1977	4.40 3	4.50 3	4.60 2	4.90 2	5.30 2	6.00 2	6.50 1	7.10 1	8.10 1
1978	4.90 5	5.10 4	5.20 4	5.70 3	7.20 3	9.10 5	16.00 9	19.00 9	31.00 10
1979	7.30 9	7.60 9	8.70 11	9.60 10	10.00 10	11.00 7	18.00 11	21.00 12	27.00 7
1980	17.00 16	18.00 16	18.00 16	19.00 16	20.00 16	26.00 15	38.00 15	64.00 16	74.00 15
1981	7.70 11	7.90 11	8.60 10	9.80 11	12.00 12	14.00 11	16.00 10	16.00 6	25.00 6
1982	11.00 13	12.00 14	12.00 13	12.00 13	13.00 13	17.00 12	20.00 12	20.00 11	31.00 11
1983	6.30 8	6.40 8	6.70 8	6.90 5	7.30 4	7.80 3	8.90 3	19.00 10	30.00 9
1984	3.60 1	3.70 1	4.00 1	4.40 1	4.60 1	5.20 1	6.90 2	9.00 2	21.00 4
1985	5.60 7	5.80 7	6.20 7	7.20 6	7.70 5	8.40 4	9.20 4	10.00 3	24.00 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	1430.00 10	1310.00 7	841.00 10	626.00 11	415.00 10	285.00 10	209.00 12	196.00 10	152.00 11
1970	1000.00 14	769.00 14	581.00 14	357.00 14	230.00 15	170.00 15	168.00 15	150.00 13	134.00 13
1971	1340.00 12	1030.00 12	817.00 11	521.00 12	356.00 12	243.00 13	174.00 13	148.00 14	110.00 16
1972	1800.00 5	1570.00 3	1090.00 4	663.00 8	473.00 6	292.00 9	219.00 10	193.00 11	174.00 9
1973	1500.00 9	1170.00 10	705.00 12	627.00 10	444.00 7	335.00 5	276.00 6	237.00 6	259.00 1
1974	1650.00 8	1290.00 8	1050.00 5	744.00 4	474.00 5	369.00 4	315.00 2	299.00 2	250.00 2
1975	1350.00 11	1130.00 11	669.00 13	427.00 13	285.00 13	247.00 12	229.00 9	223.00 7	198.00 6
1976	1920.00 3	1210.00 9	949.00 7	709.00 7	512.00 4	315.00 6	245.00 8	207.00 9	150.00 12
1977	427.00 17	333.00 17	262.00 17	177.00 17	134.00 17	104.00 17	89.00 17	75.00 17	55.00 17
1978	1740.00 6	1420.00 5	1150.00 3	953.00 1	664.00 2	409.00 2	309.00 3	247.00 4	212.00 4
1979	1820.00 4	1340.00 6	872.00 8	730.00 6	441.00 8	303.00 7	217.00 11	186.00 12	162.00 10
1980	3640.00 1	2530.00 1	1410.00 1	740.00 5	435.00 9	265.00 11	280.00 5	256.00 3	203.00 5
1981	851.00 16	670.00 16	361.00 16	312.00 15	255.00 14	211.00 14	172.00 14	147.00 15	120.00 14
1982	1720.00 7	1470.00 4	1050.00 6	747.00 3	665.00 1	483.00 1	387.00 1	333.00 1	237.00 3
1983	963.00 15	760.00 15	552.00 15	312.00 16	212.00 16	148.00 16	114.00 16	109.00 16	111.00 15
1984	1250.00 13	1000.00 13	847.00 9	640.00 9	396.00 11	298.00 8	265.00 7	220.00 8	190.00 7
1985	2690.00 2	2160.00 2	1300.00 2	829.00 2	572.00 3	400.00 3	285.00 4	244.00 5	181.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	91.00 6
1971	82.00 5
1972	61.00 3
1973	181.00 16
1974	158.00 15
1975	118.00 13
1976	116.00 12
1977	41.00 1
1978	98.00 7
1979	99.00 8
1980	113.00 11
1981	81.00 4
1982	155.00 14
1983	61.00 2
1984	107.00 10
1985	105.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	96.00 11
1970	89.00 13
1971	64.00 15
1972	109.00 7
1973	180.00 1
1974	140.00 2
1975	117.00 6
1976	96.00 12
1977	33.00 17
1978	126.00 5
1979	104.00 9
1980	130.00 4
1981	68.00 14
1982	132.00 3
1983	63.00 16
1984	108.00 8
1985	99.00 10



## 03348350 PIPE CREEK AT FRANKTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	125.00	95.70	44.60	53.30	14.00
1969	12.00	36.00	140.00	320.00	158.00	59.10	160.00	71.60	52.20	27.30	55.10	62.90
1970	112.00	165.00	68.20	97.20	113.00	107.00	224.00	86.40	36.80	21.40	27.00	9.38
1971	10.30	19.20	36.10	35.80	355.00	146.00	33.30	73.80	31.10	16.70	8.17	22.30
1972	17.30	15.80	218.00	129.00	41.10	116.00	467.00	68.90	54.00	54.60	13.30	121.00
1973	89.50	416.00	249.00	155.00	116.00	377.00	243.00	65.60	172.00	111.00	147.00	22.20
1974	19.80	100.00	235.00	409.00	186.00	187.00	234.00	180.00	79.80	27.50	13.10	14.40
1975	9.61	28.40	166.00	218.00	282.00	179.00	217.00	94.50	163.00	23.30	20.40	13.30
1976	15.90	31.10	126.00	106.00	405.00	189.00	35.50	19.10	71.50	142.00	15.10	9.63
1977	8.38	7.95	7.31	5.29	46.30	127.00	55.50	59.10	16.90	7.94	30.10	21.10
1978	80.60	29.00	301.00	41.10	19.20	502.00	281.00	116.00	29.70	37.30	40.40	18.00
1979	10.40	29.30	70.40	89.50	168.00	306.00	163.00	37.30	90.20	61.10	198.00	28.80
1980	24.50	130.00	150.00	72.60	87.60	315.00	162.00	83.80	409.00	23.90	71.10	30.50
1981	15.70	14.00	19.70	13.10	96.30	42.40	103.00	216.00	186.00	72.00	25.50	19.80
1982	21.60	21.80	68.00	240.00	353.00	544.00	150.00	36.90	73.50	28.60	46.00	8.56
1983	7.25	20.10	201.00	52.10	70.50	44.00	154.00	138.00	36.80	20.00	7.64	4.76
1984	11.10	72.50	229.00	30.60	231.00	352.00	204.00	85.50	32.70	35.70	10.50	8.26
1985	8.97	49.70	87.20	103.00	348.00	310.00	190.00	55.70	26.90	9.62	9.00	10.10

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
9.95	19.60	68.10	38.40	79.00	112.00
FIFTIETH PERCENTILE					
15.70	29.30	140.00	97.20	158.00	187.00
SEVENTY FIFTH PERCENTILE					
23.00	86.20	224.00	187.00	315.00	334.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
127.00	58.20	32.30	21.00	12.50	9.57
FIFTIETH PERCENTILE					
163.00	78.80	62.70	28.00	26.20	16.19
SEVENTY FIFTH PERCENTILE					
229.00	118.00	113.00	56.20	53.70	23.90

## 03348500 WHITE RIVER NEAR NOBLESVILLE, IN

LOCATION.--Lat 40°07'46", long 85°57'46", in NE¼NE¼ sec.4, T.19 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, near center of span on downstream side of highway bridge, 1 mi west of Strawtown, 7 mi northeast of Noblesville, 9.5 mi upstream from Cicero Creek, and at mile 277.4.

DRAINAGE AREA.--828 mi<sup>2</sup>.

PERIOD OF RECORD.--WATER DISCHARGE: May 1915 to September 1926, October 1928 to September 1974 (discontinued). Monthly discharge only for some periods, published in WSP 1305. Published as "West Branch of White River" prior to 1922 and as "West Fork of White River" October 1922 to September 1948. Records of daily discharge for the water year 1928, published in WSP 663, have been found to be unreliable and should not be used.

WATER TEMPERATURE: October 1953 to July 1957, October 1962 to September 1974 (discontinued).

SEDIMENT DISCHARGE: July 1968 to September 1974 (partial-record station) (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 763.08 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 1, 1922, nonrecording gage at bridge 2 mi downstream at different datum. July 1, 1922, to Nov. 21, 1933, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--57 years, 794 ft<sup>3</sup>/s, 13.02 in/yr.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1916							4	17	20	12	29	18	21	28	33	34	26	33	19	17	14	10	6	7	3	4	2	2	1		3		3			
1917							7	69	42	4	1	5	6	34	23	56	7	10	17	18	10	18	8	18	4	4	2		1	1						
1918							8	22	56	54	26	41	18	13	22	29	12	18	11	11	6	3	3	4	2	3		2	1							
1919							2	10	64	13	36	17	19	39	15	25	9	27	13	20	14	8	7	5	3	2	1	3	2		1	2				
1920								21	25	24	17	9	15	46	42	14	24	15	14	22	16	16	13	14	4	2	2	3	2	6						
1921							5	18	38	15	29	25	17	31	18	18	12	32	18	6	19	7	15	10	9	10	7	3		1		2				
1922							19	29	21	25	31	9	11	10	5	8	25	29	16	22	13	27	10	17	10	4	1	5	3	7	3	5				
1923							3	8	33	16	16	16	30	36	23	28	21	15	25	14	23	14	13	6	6	9	2	3	1	1		3				
1924									1	25	26	26	23	32	29	28	17	29	26	18	13	13	12	12	7	10	8	3	3	2	2	1				
1925							2	50	70	14	38	22	25	21	21	19	17	20	11	10	10	4	4		2	1	1	1		1	1					
1926											1	10	58	41	52	34	28	16	17	20	15	13	12	9	5	8	9	2	5	7	1	2				
1929								38	53	23	23	25	25	23	19	12	16	19	10	14	13	9	4	11	3	9	4	2	6	4						
1930							13	19	44	17	29	21	16	13	31	17	21	20	31	17	7	7	5	4	6	5	4	3	3	4	2	1	3	2		
1931								11	18	58	105	40	22	21	9	15	26	7	11	6	5	3	4	3		1										
1932							1	16	16	17	27	28	28	14	21	25	33	23	24	17	20	6	13	6	10	3	10		2	2	3	1				
1933								4	32	30	23	19	18	16	26	14	29	27	25	12	20	14	14	8	6	6	6	4	2	2	2	2	2	2		
1934							6	25	23	17	21	29	69	50	25	26	20	18	9	8	2	4	3	4		2	1	2	1							
1935							12	53	43	47	38	11	14	19	36	15	13	15	9	7	8	3	8	3	2	1	2		4	1	1					
1936							17	32	40	27	47	44	15	16	10	14	22	14	17	9	8	10	3	3	4	3	4	1	1	2		2	1			
1937							3	7	13	32	31	20	20	15	19	22	31	20	24	11	23	16	8	9	9	4	11	6	4	3	2			1		1
1938								14	25	26	27	27	36	31	24	20	20	15	12	14	12	7	14	8	5	4	7	3	4	2	5	2	1			
1939							11	8	16	46	33	32	29	30	26	18	24	15	8	11	10	7	5	5	6	2	4	8	3	2	2	1	2	1		
1940							1	18	24	24	36	46	59	14	14	11	28	17	15	7	9	8	4	9	7	6	1	3		1	2	1				
1941							10	18	45	18	39	57	80	29	26	10	10	6	3	3		3	1	1	1	4		1								
1942							1	1	1	14	4	28	56	43	32	17	26	26	17	20	19	10	7	8	3	5	4	4	5	6	1	4	2	1		
1943									26	15	13	18	18	35	46	34	25	28	21	19	14	11	7	9	2	8	1	2	4	3	2	2				2
1944									10	18	34	103	30	27	14	11	10	6	12	9	14	12	17	9	5	4	5	5	1	2	4	1		1	1	
1945							6	30	50	44	32	6	14	11	15	11	12	24	20	24	6	10	10	7	7	5	4	6	1	3	3	2	2			
1946								17	11	13	7	24	24	27	38	39	19	24	21	17	11	18	18	13	8	4	5	4	3							
1947							2	14	11	26	30	23	20	40	28	20	17	7	18	16	23	20	13	9	13	4	1	3	4	3						
1948								11	27	30	40	30	52	22	18	14	17	20	12	10	14	8	6	6	6	3	4	2	3	5	6					
1949								19	36	15	24	15	19	23	18	26	34	25	18	14	22	10	12	6	6	6	3	5	4	2	3					
1950								12	47	28	18	19	12	27	18	18	20	23	18	17	25	15	5	9	4	5	5	1	6	6	2	3	1	1		
1951								11	29	8	14	26	16	21	16	26	29	16	21	21	15	19	10	11	10	9	6	5	1	2	1		1			
1952								22	31	28	22	27	9	12	17	12	21	19	23	25	15	14	21	15	9	6	7	3	2	1	3	1	1			
1953								7	22	44	21	17	15	20	23	28	44	24	24	14	23	10	11	6	3	1	3	1	3		1					
1954							2	15	14	54	62	42	25	30	22	27	15	11	13	7	10	5	3	2	5	1										
1955							6	16	8	12	38	45	33	37	19	24	13	13	23	15	20	17	10	6	3	2	2	1	1	1						
1956								8	16	15	14	20	21	34	30	31	22	24	24	23	20	22	11	6	7	4	6	2	1	4		1				
1957							1	19	33	18	10	34	21	13	24	24	22	16	20	10	13	19	9	15	9	5	6	4	4	1	3	1		1	1	
1958									13	17	41	27	45	49	34	35	14	14	21	8	11	8	9	4	3	1	2	1	2	2	2		2			
1959							1	15	22	21	34	45	24	20	14	8	22	25	17	21	23	12	14	7	7	3	1	3	1	4		1				
1960								27	11	28	34	32	31	50	24	37	18	23	11	9	10	1	3	6	5	2	3		1							

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

YEAR	1	3	7	14	30	60	90	120	183
1917	115.00 40	115.00 37	118.00 35	121.00 33	126.00 27	128.00 21	153.00 23	173.00 21	256.00 33
1918	124.00 43	124.00 42	124.00 40	124.00 35	126.00 28	141.00 27	180.00 34	218.00 36	221.00 26
1919	87.00 21	92.00 20	95.00 22	98.00 22	115.00 23	130.00 22	157.00 25	174.00 22	196.00 20
1920	98.00 28	100.00 28	103.00 26	109.00 26	133.00 31	149.00 30	179.00 32	216.00 35	417.00 45
1921	92.00 24	94.00 24	99.00 24	109.00 27	137.00 34	145.00 28	164.00 29	269.00 42	400.00 44
1922	105.00 32	107.00 33	109.00 31	111.00 30	140.00 39	208.00 46	220.00 45	226.00 38	331.00 38
1923	95.00 26	95.00 25	104.00 27	106.00 24	122.00 26	130.00 23	145.00 20	148.00 19	189.00 18
1924	187.00 54	193.00 54	214.00 55	244.00 55	321.00 55	510.00 55	497.00 54	705.00 55	719.00 54
1925	138.00 49	138.00 48	138.00 47	138.00 42	139.00 36	151.00 33	170.00 30	226.00 39	356.00 40
1926	107.00 36	118.00 38	135.00 44	140.00 45	148.00 43	212.00 48	279.00 48	330.00 46	376.00 42
1930	95.00 27	130.00 43	138.00 48	138.00 43	140.00 37	155.00 36	199.00 39	307.00 45	681.00 53
1931	70.00 9	92.00 21	98.00 23	109.00 25	112.00 21	114.00 20	127.00 18	127.00 15	140.00 11
1932	74.00 13	74.00 10	80.00 11	96.00 19	135.00 32	155.00 37	154.00 24	199.00 30	228.00 27
1933	68.00 8	71.00 8	72.00 8	73.00 8	86.00 10	113.00 18	151.00 22	197.00 27	243.00 30
1934	105.00 33	109.00 34	121.00 37	132.00 37	144.00 42	176.00 42	206.00 41	226.00 40	251.00 32
1935	54.00 3	54.00 4	55.00 3	58.00 3	67.00 5	77.00 4	81.00 4	88.00 3	89.00 1
1936	72.00 10	73.00 9	75.00 9	79.00 9	83.00 8	91.00 7	104.00 9	111.00 8	134.00 8
1937	50.00 3	52.00 3	56.00 4	60.00 4	62.00 3	65.00 3	71.00 2	87.00 2	184.00 17
1938	148.00 50	158.00 50	167.00 50	176.00 50	184.00 49	337.00 52	338.00 51	381.00 49	539.00 49
1939	136.00 48	136.00 47	136.00 45	137.00 41	142.00 40	154.00 35	173.00 31	213.00 34	258.00 34
1940	78.00 15	80.00 14	80.00 12	82.00 10	90.00 11	95.00 11	110.00 12	113.00 9	129.00 7

## 03348500 WHITE RIVER NEAR NOBLESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1941	46.00	2	49.00	2	51.00	2	53.00	2	57.00	2	63.00	2	65.00	1	74.00	1	96.00	2
1942	39.00	1	41.00	1	42.00	1	44.00	1	55.00	1	60.00	1	78.00	3	93.00	4	114.00	4
1943	105.00	34	106.00	31	109.00	32	110.00	28	114.00	22	139.00	26	180.00	33	197.00	28	250.00	31
1944	112.00	38	118.00	39	121.00	38	123.00	34	128.00	29	134.00	24	150.00	21	186.00	25	201.00	21
1945	60.00	6	63.00	6	68.00	6	71.00	6	79.00	7	84.00	5	94.00	5	94.00	5	98.00	3
1946	112.00	39	113.00	35	114.00	34	133.00	38	138.00	35	200.00	44	275.00	47	433.00	51	441.00	46
1947	80.00	17	81.00	15	86.00	16	87.00	13	93.00	12	105.00	16	116.00	16	135.00	17	220.00	24
1948	132.00	46	132.00	44	134.00	43	142.00	47	173.00	48	194.00	43	212.00	43	222.00	37	302.00	37
1949	106.00	35	106.00	32	108.00	30	111.00	31	135.00	33	149.00	31	163.00	28	199.00	31	347.00	39
1950	101.00	31	105.00	30	112.00	33	127.00	36	149.00	44	160.00	39	199.00	40	209.00	33	273.00	35
1951	135.00	47	140.00	49	150.00	49	161.00	49	220.00	51	257.00	50	389.00	53	366.00	47	517.00	47
1952	90.00	22	92.00	22	93.00	20	97.00	21	99.00	17	104.00	14	115.00	15	135.00	18	221.00	25
1953	91.00	23	92.00	23	93.00	21	96.00	20	120.00	25	157.00	38	183.00	35	207.00	32	239.00	29
1954	85.00	20	86.00	18	89.00	18	92.00	17	95.00	15	99.00	12	104.00	10	113.00	10	135.00	9
1955	54.00	4	56.00	5	59.00	5	62.00	5	66.00	4	93.00	9	100.00	7	127.00	16	171.00	16
1956	73.00	11	76.00	12	82.00	14	87.00	14	109.00	19	151.00	32	212.00	44	283.00	44	371.00	41
1957	81.00	18	86.00	19	90.00	19	91.00	16	94.00	13	103.00	13	111.00	13	121.00	14	156.00	14
1958	180.00	53	180.00	52	182.00	52	187.00	52	281.00	54	367.00	53	372.00	52	463.00	53	860.00	55
1959	193.00	55	193.00	55	202.00	54	221.00	53	233.00	52	282.00	51	317.00	50	456.00	52	540.00	50
1960	99.00	29	101.00	29	105.00	28	110.00	29	118.00	24	138.00	25	158.00	26	182.00	23	230.00	28
1961	93.00	25	96.00	26	100.00	25	104.00	23	112.00	20	114.00	19	118.00	17	119.00	13	127.00	6
1962	122.00	42	123.00	41	126.00	41	141.00	46	160.00	47	209.00	47	210.00	42	246.00	41	281.00	36
1963	100.00	30	100.00	27	107.00	29	118.00	32	131.00	30	147.00	29	159.00	27	168.00	20	167.00	15
1964	75.00	14	78.00	13	80.00	13	82.00	11	86.00	9	92.00	8	101.00	8	101.00	6	116.00	5
1965	79.00	16	82.00	16	88.00	17	90.00	15	95.00	16	105.00	15	111.00	14	115.00	11	140.00	10
1966	82.00	19	84.00	17	86.00	15	96.00	18	101.00	18	111.00	17	128.00	19	185.00	24	193.00	19
1967	65.00	7	68.00	7	69.00	7	73.00	7	78.00	6	90.00	6	98.00	6	103.00	7	141.00	12
1968	73.00	12	75.00	11	79.00	10	86.00	12	94.00	14	95.00	10	107.00	11	118.00	12	148.00	13
1969	130.00	45	132.00	45	134.00	42	136.00	39	140.00	38	153.00	34	191.00	37	274.00	43	388.00	43
1970	172.00	52	180.00	53	194.00	53	222.00	54	249.00	53	424.00	54	507.00	55	556.00	54	582.00	52
1971	120.00	41	120.00	40	124.00	39	139.00	44	151.00	45	173.00	41	187.00	36	198.00	29	215.00	22
1972	109.00	37	113.00	36	119.00	36	136.00	40	144.00	41	167.00	40	192.00	38	191.00	26	217.00	23
1973	126.00	44	132.00	46	138.00	46	145.00	48	156.00	46	206.00	45	297.00	49	369.00	48	521.00	48
1974	170.00	51	172.00	51	176.00	51	186.00	51	212.00	50	229.00	49	241.00	46	403.00	50	541.00	51

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1916	17700.00	8	14800.00	6	8710.00	10	5380.00	11	4490.00	8	3140.00	8	2510.00	8	2120.00	9	1700.00	13
1917	8760.00	35	6900.00	37	4430.00	40	2990.00	41	2710.00	30	2230.00	24	1970.00	22	1740.00	22	1450.00	21
1918	6690.00	46	5580.00	45	3880.00	44	2320.00	50	1580.00	50	1360.00	45	1150.00	48	976.00	49	716.00	49
1919	14900.00	14	12800.00	13	8520.00	13	4950.00	14	2970.00	23	1970.00	32	1590.00	33	1620.00	27	1360.00	24
1920	9600.00	29	9260.00	23	8540.00	12	4880.00	15	2980.00	21	2200.00	27	1960.00	23	1720.00	23	1520.00	18
1921	11200.00	21	9490.00	22	6470.00	22	4200.00	23	3390.00	16	2550.00	15	2360.00	11	2010.00	13	1510.00	19
1922	14800.00	15	13000.00	12	11800.00	4	9060.00	2	6460.00	1	4520.00	2	3390.00	2	2810.00	2	2630.00	1
1923	10800.00	22	8760.00	25	5920.00	26	4050.00	25	2540.00	32	1850.00	35	1690.00	30	1500.00	31	1290.00	28
1924	15600.00	10	13100.00	11	8740.00	9	4870.00	17	3150.00	18	2750.00	13	2180.00	16	2350.00	6	2010.00	3
1925	10500.00	24	8650.00	27	5050.00	36	2840.00	42	1700.00	48	1200.00	51	1220.00	47	1100.00	47	834.00	47
1926	13200.00	18	10100.00	19	8610.00	11	6130.00	9	5090.00	5	3340.00	7	2380.00	10	1890.00	16	1700.00	14
1929	9150.00	33	8000.00	33	5720.00	31	3800.00	32	2530.00	33	2230.00	25	1850.00	27	1760.00	21	1770.00	10
1930	15300.00	11	14100.00	7	12700.00	2	9300.00	1	5830.00	3	3580.00	4	3020.00	3	2460.00	4	1890.00	6
1931	2540.00	56	1800.00	56	1170.00	56	992.00	57	762.00	56	635.00	55	496.00	56	417.00	56	365.00	56
1932	7700.00	41	6770.00	40	4940.00	37	3870.00	30	2690.00	31	2000.00	31	1660.00	31	1400.00	35	1090.00	38
1933	17100.00	9	16000.00	4	11800.00	3	6690.00	8	4240.00	10	3470.00	5	2660.00	6	2180.00	8	1990.00	4
1934	3500.00	53	2950.00	53	2230.00	53	1360.00	53	1040.00	53	729.00	53	549.00	54	483.00	55	393.00	55
1935	7100.00	45	5560.00	46	4330.00	41	2790.00	43	1620.00	49	1050.00	52	969.00	52	836.00	52	631.00	52
1936	8200.00	39	6790.00	39	4440.00	39	2490.00	45	1560.00	51	1310.00	48	1120.00	49	921.00	50	664.00	51
1937	21300.00	2	15800.00	5	9630.00	7	7090.00	5	4800.00	7	3370.00	6	2580.00	7	2350.00	7	1860.00	7
1938	15300.00	12	12200.00	14	7530.00	16	6760.00	7	5140.00	4	3790.00	3	2800.00	5	2490.00	3	1940.00	5
1939	13500.00	17	11100.00	17	7260.00	18	4540.00	20	2940.00	24	2540.00	16	2350.00	12	1880.00	18	1360.00	25
1940	8320.00	38	7620.00	35	5430.00	34	3240.00	38	2020.00	41	1320.00	46	1080.00	51	919.00	51	670.00	50
1941	2640.00	55	2210.00	55	1550.00	55	1240.00	54	764.00	55	456.00	57	343.00	57	296.00	57	249.00	57
1942	7610.00	42	5590.00	44	3680.00	47	3070.00	39	2060.00	40	1690.00	38	1510.00	35	1250.00	39	963.00	42
1943	20200.00	4	16400.00	3	10300.00	5	7070.00	6	4180.00	11	2380.00	20	2050.00	20	1710.00	25	1390.00	23
1944	14200.00	16	11800.00	15	7280.00	17	4640.00	19	3030.00	20	2340.00	21	1880.00	25	1520.00	29	1060.00	39
1945	9500.00	30	8680.00	26	6040.00	25	3540.00	37	2090.00	39	1660.00	41	1650.00	32	1600.00	28	1210.00	33

## 03348500 WHITE RIVER NEAR NOBLESVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1946	5390.00	52	4340.00	52	3190.00	52	2330.00	49	1850.00	44	1420.00	44	1390.00	42	1220.00	42	1150.00	35
1947	6050.00	50	5290.00	47	4070.00	43	2990.00	40	2340.00	36	2080.00	28	1750.00	29	1450.00	32	1240.00	31
1948	9340.00	32	8620.00	28	6650.00	20	5360.00	12	4820.00	6	3030.00	10	2400.00	9	2060.00	11	1590.00	15
1949	9890.00	28	7890.00	34	5060.00	35	4380.00	21	3820.00	13	2810.00	12	2280.00	13	2030.00	12	1590.00	16
1950	18200.00	5	14100.00	8	9050.00	8	8380.00	3	6310.00	2	4760.00	1	3820.00	1	3220.00	1	2380.00	2
1951	12100.00	20	9640.00	21	5770.00	30	4250.00	22	2730.00	29	2230.00	26	1990.00	21	1890.00	17	1730.00	11
1952	10200.00	25	8380.00	29	4790.00	38	4080.00	24	2930.00	25	2340.00	22	2130.00	17	1940.00	14	1580.00	17
1953	7510.00	43	6020.00	43	3540.00	49	2410.00	48	1830.00	45	1320.00	47	1310.00	43	1160.00	44	993.00	41
1954	2100.00	57	1700.00	57	1120.00	57	1040.00	55	912.00	54	662.00	54	560.00	53	488.00	54	394.00	54
1955	6260.00	49	5070.00	49	3250.00	51	2230.00	52	1560.00	52	1300.00	49	1230.00	45	1150.00	45	909.00	44
1956	8830.00	34	6260.00	42	3850.00	45	2470.00	46	1890.00	43	1530.00	42	1280.00	44	1320.00	36	1030.00	40
1957	18100.00	7	14100.00	9	8220.00	14	4880.00	16	3600.00	14	2710.00	14	2830.00	4	2410.00	5	1850.00	8
1958	20800.00	3	17400.00	1	13500.00	1	7740.00	4	4450.00	9	2870.00	11	2100.00	18	1780.00	19	1450.00	22
1959	12500.00	19	9860.00	20	5910.00	27	3610.00	35	3320.00	17	2400.00	19	1950.00	24	1910.00	15	1480.00	20
1960	6000.00	51	4670.00	51	3680.00	46	2280.00	51	1750.00	46	1210.00	50	1100.00	50	994.00	48	808.00	48
1961	8140.00	40	6940.00	36	5550.00	33	4040.00	26	2910.00	26	2470.00	18	2080.00	19	1720.00	24	1250.00	30
1962	15200.00	13	11800.00	16	6410.00	24	3980.00	27	2470.00	35	2070.00	29	1770.00	28	1430.00	34	1100.00	36
1963	18200.00	6	13800.00	10	7860.00	15	4850.00	18	3390.00	15	2050.00	30	1490.00	38	1180.00	43	838.00	45
1964	21800.00	1	17300.00	2	10300.00	6	6090.00	10	3920.00	12	3120.00	9	2250.00	14	1770.00	20	1290.00	29
1965	6440.00	48	5100.00	48	3460.00	50	2540.00	44	1920.00	42	1690.00	39	1510.00	36	1250.00	40	915.00	43
1966	3000.00	54	2570.00	54	1660.00	54	1020.00	56	724.00	57	553.00	56	534.00	55	511.00	53	456.00	53
1967	10700.00	23	10100.00	18	7000.00	19	3970.00	28	2300.00	37	1680.00	40	1470.00	39	1500.00	30	1330.00	26
1968	9980.00	27	8070.00	31	6440.00	23	3830.00	31	2240.00	38	1760.00	36	1490.00	37	1320.00	37	1290.00	27
1969	10100.00	26	8890.00	24	5840.00	28	3940.00	29	2840.00	27	1920.00	33	1460.00	40	1440.00	33	1180.00	34
1970	6460.00	47	4940.00	50	3550.00	48	2460.00	47	1700.00	47	1420.00	43	1410.00	41	1250.00	41	1100.00	37
1971	7500.00	44	6670.00	41	5640.00	32	3660.00	34	2480.00	34	1690.00	37	1220.00	46	1120.00	46	838.00	46
1972	8420.00	37	8050.00	32	5770.00	29	3790.00	33	2790.00	28	1880.00	34	1540.00	34	1300.00	38	1230.00	32
1973	8500.00	36	6800.00	38	4230.00	42	3550.00	36	2970.00	22	2270.00	23	1860.00	26	1670.00	26	1790.00	9
1974	9450.00	31	8170.00	30	6530.00	21	4960.00	13	3130.00	19	2500.00	17	2220.00	15	2090.00	10	1700.00	12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1917	667.00	21
1918	765.00	31
1919	748.00	29
1920	823.00	33
1921	1100.00	44
1922	1180.00	49
1923	1130.00	47
1924	1310.00	53
1925	856.00	37
1926	765.00	30
1930	1470.00	55
1931	280.00	2
1932	678.00	22
1933	731.00	26
1934	744.00	28
1935	183.00	1
1936	530.00	13
1937	849.00	36
1938	1120.00	45
1939	1060.00	42
1940	464.00	8
1941	311.00	3
1942	415.00	6
1943	592.00	17
1944	824.00	34
1945	555.00	16
1946	982.00	41
1947	531.00	14
1948	971.00	40
1949	1180.00	48
1950	1240.00	52

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1916	1060.00	12
1917	874.00	24
1918	469.00	49
1919	803.00	27
1920	1090.00	10
1921	916.00	18
1922	1520.00	1
1923	909.00	19
1924	1340.00	4
1925	574.00	42
1926	1430.00	2
1929	1000.00	16
1930	1050.00	13
1931	254.00	55
1932	660.00	39
1933	1170.00	7
1934	271.00	54
1935	370.00	52
1936	379.00	51
1937	1170.00	8
1938	1250.00	6
1939	780.00	30
1940	384.00	50
1941	174.00	57
1942	570.00	44
1943	904.00	21
1944	608.00	41
1945	679.00	38
1946	768.00	31
1947	760.00	32
1948	909.00	20

03348500 WHITE RIVER NEAR NOBLESVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	1080.00	43
1952	928.00	39
1953	628.00	18
1954	387.00	4
1955	514.00	10
1956	679.00	23
1957	520.00	12
1958	1320.00	54
1959	1230.00	50
1960	680.00	24
1961	470.00	9
1962	920.00	38
1963	554.00	15
1964	394.00	5
1965	737.00	27
1966	446.00	7
1967	632.00	19
1968	698.00	25
1969	829.00	35
1970	810.00	32
1971	637.00	20
1972	518.00	11
1973	1230.00	51
1974	1130.00	46

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	954.00	17
1950	1390.00	3
1951	1020.00	15
1952	903.00	22
1953	626.00	40
1954	252.00	56
1955	573.00	43
1956	798.00	28
1957	1060.00	11
1958	1130.00	9
1959	888.00	23
1960	552.00	45
1961	702.00	37
1962	712.00	35
1963	497.00	48
1964	707.00	36
1965	534.00	46
1966	305.00	53
1967	746.00	33
1968	836.00	25
1969	817.00	26
1970	728.00	34
1971	524.00	47
1972	787.00	29
1973	1260.00	5
1974	1050.00	14

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1916	508.00	662.00	657.00	4158.0	2048.0	1262.0	722.00	745.00	1173.0	364.00	259.00	140.00
1917	130.00	394.00	332.00	1011.0	833.00	1915.0	1866.0	1623.0	1377.0	696.00	170.00	149.00
1918	291.00	267.00	285.00	175.00	1373.0	988.00	1004.0	550.00	224.00	147.00	124.00	288.00
1919	158.00	248.00	2108.0	871.00	383.00	2802.0	828.00	1000.0	598.00	239.00	171.00	144.00
1920	1008.0	1565.0	755.00	440.00	1537.0	1633.0	2696.0	984.00	734.00	1410.0	191.00	159.00
1921	455.00	296.00	554.00	1158.0	1895.0	2730.0	2228.0	555.00	536.00	144.00	281.00	238.00
1922	267.00	3146.0	1673.0	1083.0	1122.0	2955.0	5892.0	1210.0	334.00	314.00	144.00	128.00
1923	169.00	149.00	434.00	1342.0	1074.0	2453.0	520.00	1665.0	480.00	665.00	773.00	1162.0
1924	663.00	573.00	3032.0	2156.0	1219.0	2669.0	992.00	649.00	3018.0	426.00	339.00	265.00
1925	145.00	159.00	1612.0	543.00	916.00	1242.0	418.00	291.00	148.00	734.00	188.00	494.00
1926	500.00	2660.0	726.00	722.00	1349.0	1024.0	2303.0	468.00	417.00	438.00	1576.0	5093.0
1929	157.00	162.00	244.00	2043.0	1195.0	1071.0	1327.0	2440.0	927.00	1989.0	278.00	156.00
1930	165.00	649.00	1706.0	5145.0	1836.0	917.00	1099.0	379.00	268.00	149.00	125.00	209.00
1931	112.00	116.00	149.00	130.00	173.00	458.00	715.00	300.00	163.00	166.00	266.00	295.00
1932	276.00	457.00	1209.0	2530.0	1119.0	637.00	469.00	301.00	380.00	190.00	89.20	256.00
1933	274.00	686.00	1772.0	1535.0	692.00	2087.0	1736.0	3931.0	386.00	166.00	280.00	445.00
1934	237.00	165.00	276.00	290.00	169.00	781.00	657.00	176.00	194.00	93.90	90.30	113.00
1935	82.50	81.00	87.60	178.00	121.00	326.00	446.00	1572.0	483.00	784.00	143.00	101.00
1936	85.90	135.00	146.00	206.00	1261.0	1015.0	619.00	742.00	167.00	80.30	65.80	69.10
1937	174.00	679.00	339.00	4675.0	1861.0	760.00	1949.0	726.00	1084.0	501.00	934.00	434.00
1938	483.00	269.00	1581.0	520.00	2004.0	3023.0	3347.0	759.00	1850.0	747.00	347.00	213.00
1939	142.00	253.00	251.00	605.00	1824.0	2468.0	2528.0	442.00	391.00	305.00	168.00	92.60
1940	115.00	129.00	119.00	174.00	524.00	623.00	1978.0	385.00	366.00	104.00	69.50	58.70
1941	77.00	107.00	178.00	127.00	188.00	126.00	176.00	92.40	761.00	148.00	68.30	55.50
1942	112.00	164.00	158.00	148.00	1409.0	1769.0	1322.0	523.00	630.00	164.00	293.00	231.00
1943	114.00	441.00	652.00	573.00	758.00	1426.0	457.00	3952.0	652.00	715.00	759.00	279.00
1944	146.00	307.00	169.00	130.00	579.00	1673.0	2964.0	698.00	273.00	121.00	178.00	95.40
1945	88.30	115.00	98.10	78.90	471.00	1505.0	1776.0	1065.0	1999.0	377.00	234.00	370.00
1946	864.00	433.00	799.00	1119.0	1032.0	1743.0	466.00	1161.0	892.00	410.00	187.00	101.00
1947	109.00	156.00	369.00	1127.0	639.00	743.00	1793.0	1830.0	1235.0	581.00	340.00	203.00
1948	224.00	217.00	252.00	1349.0	1039.0	2585.0	3208.0	780.00	547.00	401.00	186.00	143.00
1949	163.00	829.00	1304.0	3718.0	1650.0	1235.0	758.00	538.00	556.00	370.00	193.00	157.00
1950	339.00	177.00	553.00	6085.0	3373.0	1889.0	1365.0	670.00	832.00	680.00	284.00	590.00
1951	289.00	1069.0	1596.0	1711.0	2590.0	1419.0	1884.0	777.00	392.00	374.00	138.00	106.00
1952	113.00	225.00	1078.0	2227.0	1726.0	2110.0	1547.0	745.00	376.00	158.00	178.00	366.00
1953	143.00	248.00	574.00	783.00	686.00	1741.0	742.00	1372.0	393.00	480.00	213.00	105.00
1954	99.60	113.00	141.00	214.00	257.00	494.00	812.00	307.00	267.00	135.00	122.00	67.20
1955	321.00	197.00	337.00	1187.0	917.00	1517.0	862.00	386.00	477.00	334.00	170.00	185.00
1956	686.00	1708.0	478.00	254.00	1763.0	936.00	1065.0	1245.0	919.00	324.00	166.00	111.00
1957	101.00	123.00	258.00	606.00	825.00	528.00	3567.0	1804.0	2866.0	1319.0	404.00	404.00
1958	488.00	728.00	2442.0	724.00	429.00	678.00	674.00	818.00	4338.0	1003.0	862.00	330.00
1959	284.00	761.00	441.00	1908.0	2249.0	1284.0	1667.0	1313.0	370.00	211.00	155.00	129.00
1960	262.00	361.00	571.00	969.00	1457.0	744.00	558.00	505.00	434.00	500.00	175.00	117.00

## 03348500 WHITE RIVER NEAR NOBLESVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1961	117.00	124.00	122.00	133.00	293.00	2527.0	2401.0	1127.0	644.00	293.00	351.00	276.00
1962	174.00	310.00	290.00	2321.0	1086.0	1779.0	415.00	442.00	402.00	944.00	212.00	152.00
1963	180.00	189.00	168.00	151.00	166.00	3152.0	800.00	396.00	243.00	222.00	145.00	93.70
1964	91.50	123.00	99.20	144.00	144.00	2198.0	3832.0	645.00	324.00	633.00	142.00	121.00
1965	95.50	123.00	144.00	335.00	1072.0	1456.0	1908.0	516.00	267.00	145.00	109.00	302.00
1966	282.00	168.00	166.00	492.00	626.00	414.00	398.00	590.00	230.00	121.00	93.70	102.00
1967	104.00	235.00	2160.0	611.00	854.00	2059.0	1243.0	1044.0	266.00	160.00	98.90	96.40
1968	133.00	147.00	1823.0	881.00	1741.0	779.00	1035.0	1408.0	868.00	394.00	666.00	177.00
1969	141.00	381.00	934.00	1877.0	1561.0	547.00	1407.0	711.00	649.00	554.00	586.00	513.00
1970	669.00	1155.0	605.00	736.00	1089.0	1089.0	1686.0	691.00	425.00	243.00	243.00	155.00
1971	195.00	225.00	248.00	249.00	2381.0	1072.0	320.00	758.00	399.00	195.00	147.00	248.00
1972	209.00	158.00	1371.0	992.00	375.00	997.00	2749.0	850.00	562.00	460.00	190.00	530.00
1973	577.00	2543.0	1682.0	1148.0	939.00	2521.0	1883.0	652.00	1521.0	551.00	838.00	241.00
1974	237.00	635.00	1466.0	2781.0	1457.0	1365.0	1749.0	1127.0	878.00	461.00	221.00	252.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
115.00	157.00	211.00	252.00	603.00	780.00
FIFTIETH PERCENTILE					
174.00	248.00	478.00	783.00	1074.00	1365.00
SEVENTY FIFTH PERCENTILE					
290.00	642.00	1338.00	1623.00	1606.00	2073.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
695.00	511.00	350.00	165.00	144.00	112.00
FIFTIETH PERCENTILE					
1322.00	742.00	480.00	370.00	188.00	177.00
SEVENTY FIFTH PERCENTILE					
1929.00	1144.00	873.00	568.00	289.00	292.00





## 03349000 WHITE RIVER AT NOBLESVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14245	100.00	12	350.0	997	7517	52.77	24	3400.0	185	651	4.57
1	44.0	1	14245	100.00	13	430.0	904	6520	45.77	25	4100.0	156	466	3.27
2	53.0	9	14244	99.99	14	520.0	772	5616	39.42	26	5000.0	101	310	2.18
3	64.0	45	14235	99.93	15	620.0	778	4844	34.00	27	6000.0	83	209	1.47
4	78.0	154	14190	99.61	16	750.0	722	4066	28.54	28	7300.0	51	126	0.88
5	94.0	405	14036	98.53	17	910.0	604	3344	23.47	29	8800.0	45	75	0.53
6	110.0	946	13631	95.69	18	1100.0	488	2740	19.23	30	11000.0	11	30	0.21
7	140.0	1125	12685	89.05	19	1300.0	489	2252	15.81	31	13000.0	9	19	0.13
8	170.0	923	11560	81.15	20	1600.0	325	1763	12.38	32	16000.0	8	10	0.07
9	200.0	1060	10637	74.67	21	1900.0	321	1438	10.09	33	19000.0	1	2	0.01
10	240.0	1085	9577	67.23	22	2300.0	260	1117	7.84	34	23000.0	1	1	0.01
11	290.0	975	8492	59.61	23	2800.0	206	857	6.02					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 113.0  
 P90 = 136.0  
 P75 = 198.0  
 P70 = 225.0  
 P50 = 382.0  
 P25 = 862.0  
 P10 = 1920.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	104.00 22	118.00 21	126.00 21	134.00 19	174.00 28	196.00 26	222.00 27	232.00 24	312.00 23
1949	64.00 2	97.00 16	101.00 15	116.00 16	130.00 16	149.00 15	174.00 16	228.00 23	373.00 26
1950	77.00 8	115.00 20	122.00 20	140.00 22	157.00 23	167.00 21	215.00 25	216.00 22	294.00 22
1951	81.00 9	138.00 26	147.00 27	164.00 29	230.00 34	265.00 34	397.00 36	377.00 32	529.00 32
1952	96.00 20	98.00 17	107.00 17	112.00 14	116.00 12	119.00 10	129.00 9	150.00 10	231.00 14
1953	90.00 16	93.00 13	100.00 14	105.00 12	130.00 17	165.00 20	190.00 17	209.00 20	242.00 16
1954	84.00 12	87.00 8	92.00 8	99.00 8	106.00 8	112.00 7	116.00 5	124.00 5	148.00 4
1955	44.00 1	53.00 1	58.00 1	63.00 1	67.00 1	101.00 3	109.00 2	135.00 8	183.00 10
1956	83.00 11	84.00 6	86.00 6	90.00 4	120.00 13	161.00 18	232.00 29	308.00 30	398.00 30
1957	72.00 4	77.00 4	85.00 4	90.00 5	97.00 5	110.00 6	116.00 6	124.00 6	164.00 7
1958	200.00 36	204.00 36	213.00 36	216.00 35	303.00 38	383.00 37	382.00 35	472.00 35	899.00 38
1959	211.00 37	219.00 37	228.00 37	236.00 37	245.00 35	303.00 35	342.00 34	494.00 36	576.00 34
1960	82.00 10	91.00 11	94.00 9	104.00 11	120.00 14	141.00 13	158.00 14	186.00 13	234.00 15
1961	86.00 14	91.00 12	95.00 11	101.00 9	103.00 6	106.00 4	112.00 3	115.00 2	126.00 2
1962	103.00 21	107.00 19	114.00 19	135.00 20	159.00 24	200.00 27	207.00 24	252.00 27	287.00 20
1963	91.00 17	101.00 18	107.00 18	116.00 17	129.00 15	152.00 16	167.00 15	180.00 12	179.00 9
1964	74.00 6	75.00 3	77.00 3	79.00 3	87.00 3	91.00 1	98.00 1	100.00 1	114.00 1
1965	74.00 7	86.00 7	90.00 7	97.00 7	111.00 9	114.00 8	117.00 7	123.00 4	148.00 5
1966	85.00 13	88.00 9	99.00 12	110.00 13	113.00 10	124.00 12	139.00 12	197.00 15	203.00 11
1967	71.00 3	74.00 2	75.00 2	76.00 2	84.00 2	98.00 2	112.00 4	116.00 3	158.00 6
1968	94.00 18	97.00 14	104.00 16	113.00 15	115.00 11	117.00 9	129.00 10	138.00 9	167.00 8
1969	136.00 29	139.00 27	148.00 28	154.00 27	156.00 22	165.00 19	202.00 22	278.00 29	387.00 29
1970	186.00 35	193.00 35	205.00 35	223.00 36	248.00 36	420.00 38	505.00 37	552.00 37	588.00 35
1971	130.00 27	130.00 24	135.00 24	148.00 25	154.00 21	181.00 23	193.00 19	205.00 17	223.00 12
1972	123.00 26	127.00 23	133.00 23	145.00 23	151.00 20	175.00 22	196.00 20	195.00 14	224.00 13
1973	156.00 33	159.00 32	162.00 31	167.00 30	175.00 29	213.00 30	294.00 32	380.00 33	543.00 33
1974	106.00 23	159.00 33	193.00 34	205.00 34	226.00 33	247.00 32	258.00 31	451.00 34	611.00 36
1975	144.00 32	148.00 31	150.00 29	156.00 28	170.00 27	203.00 28	221.00 26	233.00 25	382.00 27
1976	110.00 24	132.00 25	146.00 26	152.00 26	163.00 25	192.00 25	205.00 23	210.00 21	321.00 24
1977	73.00 5	84.00 5	86.00 5	91.00 6	96.00 4	110.00 5	119.00 8	128.00 7	138.00 3
1978	96.00 19	97.00 15	99.00 13	121.00 18	136.00 18	155.00 17	190.00 18	206.00 18	244.00 17
1979	167.00 34	169.00 34	173.00 33	183.00 33	209.00 31	224.00 31	297.00 33	357.00 31	406.00 31
1980	236.00 38	248.00 38	255.00 38	289.00 38	297.00 37	382.00 36	544.00 38	827.00 38	863.00 37
1981	140.00 31	140.00 28	144.00 25	147.00 24	166.00 26	189.00 24	201.00 21	202.00 16	293.00 21
1982	131.00 28	147.00 30	168.00 32	180.00 32	215.00 32	258.00 33	247.00 30	274.00 28	386.00 28
1983	121.00 25	124.00 22	130.00 22	138.00 21	139.00 19	144.00 14	157.00 13	208.00 19	279.00 19
1984	88.00 15	91.00 10	94.00 10	101.00 10	104.00 7	120.00 11	139.00 11	162.00 11	274.00 18
1985	139.00 30	142.00 29	150.00 30	176.00 31	190.00 30	206.00 29	227.00 28	252.00 26	341.00 25

## 03349000 WHITE RIVER AT NOBLESVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1947	6380.00 33	5420.00 33	4170.00 29	3080.00 29	2420.00 27	2180.00 20	1840.00 20	1520.00 21	1300.00 22
1948	10800.00 13	9520.00 15	7160.00 9	5660.00 5	5120.00 2	3190.00 4	2530.00 4	2160.00 5	1660.00 9
1949	10700.00 14	8640.00 19	5610.00 25	4790.00 13	4150.00 7	3030.00 6	2440.00 8	2140.00 6	1660.00 10
1950	18800.00 3	15600.00 3	9900.00 3	9060.00 1	6730.00 1	5020.00 1	4010.00 1	3380.00 1	2480.00 1
1951	11500.00 11	9660.00 13	6000.00 21	4430.00 15	2850.00 22	2350.00 18	2080.00 15	1930.00 11	1800.00 5
1952	10300.00 18	8740.00 17	5150.00 26	4350.00 17	3120.00 16	2460.00 15	2240.00 9	2040.00 8	1640.00 11
1953	7160.00 29	6010.00 29	3690.00 35	2560.00 33	1980.00 31	1420.00 33	1400.00 31	1230.00 32	1050.00 30
1954	2220.00 39	1700.00 39	1150.00 39	1070.00 38	934.00 38	683.00 38	582.00 38	511.00 39	412.00 39
1955	7000.00 30	5920.00 30	3750.00 32	2560.00 34	1690.00 36	1390.00 34	1330.00 32	1250.00 31	992.00 32
1956	7520.00 27	6160.00 28	4470.00 28	2860.00 30	1940.00 32	1580.00 31	1330.00 33	1410.00 25	1110.00 28
1957	17600.00 5	14500.00 4	8510.00 4	4940.00 11	3680.00 10	2770.00 9	2880.00 2	2450.00 2	1900.00 4
1958	22700.00 2	17900.00 2	13900.00 1	7950.00 2	4540.00 4	2930.00 7	2150.00 13	1810.00 17	1490.00 16
1959	12300.00 10	10100.00 10	6190.00 18	3800.00 25	3510.00 12	2540.00 13	2080.00 14	2030.00 9	1570.00 13
1960	5810.00 36	4760.00 35	3730.00 33	2360.00 35	1790.00 34	1260.00 36	1150.00 35	1040.00 35	855.00 36
1961	7940.00 25	6760.00 26	5720.00 23	4240.00 20	3080.00 17	2670.00 11	2240.00 10	1860.00 14	1330.00 20
1962	13200.00 8	10800.00 8	6220.00 15	3900.00 24	2450.00 26	2110.00 23	1810.00 21	1480.00 24	1130.00 27
1963	18300.00 4	14300.00 5	7970.00 7	4990.00 10	3520.00 11	2130.00 21	1540.00 26	1220.00 33	870.00 33
1964	25200.00 1	19800.00 1	11800.00 2	6900.00 4	4380.00 6	3420.00 2	2460.00 6	1930.00 12	1400.00 18
1965	6680.00 31	5490.00 31	3930.00 31	2860.00 31	2130.00 30	1880.00 27	1670.00 23	1380.00 27	1000.00 31
1966	3300.00 37	2710.00 37	1720.00 38	1060.00 39	747.00 39	566.00 39	548.00 39	524.00 38	468.00 38
1967	10700.00 15	10000.00 11	7070.00 11	4020.00 22	2280.00 28	1660.00 30	1470.00 30	1490.00 22	1340.00 19
1968	9450.00 21	7930.00 22	6250.00 14	3760.00 26	2220.00 29	1750.00 29	1480.00 29	1340.00 30	1290.00 23
1969	10600.00 16	9560.00 14	6210.00 16	4250.00 19	3070.00 18	2030.00 24	1530.00 27	1480.00 23	1210.00 25
1970	6560.00 32	5480.00 32	4020.00 30	2770.00 32	1860.00 33	1540.00 32	1550.00 25	1380.00 28	1200.00 26
1971	7710.00 26	6780.00 25	5760.00 22	3760.00 27	2560.00 25	1770.00 28	1280.00 34	1150.00 34	868.00 34
1972	8710.00 22	8510.00 21	6180.00 19	4120.00 21	3030.00 19	2020.00 25	1650.00 24	1400.00 26	1310.00 21
1973	8380.00 23	7280.00 24	4650.00 27	3960.00 23	3320.00 14	2520.00 14	2040.00 17	1840.00 15	1980.00 2
1974	9750.00 19	8710.00 18	7120.00 10	5450.00 7	3390.00 13	2750.00 10	2480.00 5	2330.00 3	1920.00 3
1975	12500.00 9	10300.00 9	6610.00 12	4280.00 18	2930.00 21	2350.00 19	2150.00 11	2070.00 7	1730.00 7
1976	11400.00 12	9410.00 16	6390.00 13	5370.00 8	3930.00 9	2630.00 12	2020.00 18	1720.00 19	1250.00 24
1977	3100.00 38	2350.00 38	1890.00 37	1430.00 37	1050.00 37	905.00 37	783.00 37	652.00 37	495.00 37
1978	10300.00 17	9740.00 12	8300.00 6	6910.00 3	4710.00 3	3120.00 5	2440.00 7	1970.00 10	1670.00 8
1979	9610.00 20	8610.00 20	6040.00 20	5230.00 9	3280.00 15	2430.00 16	1800.00 22	1550.00 20	1610.00 12
1980	16900.00 6	13200.00 6	7870.00 8	4400.00 16	2750.00 23	2120.00 22	2010.00 19	1890.00 13	1550.00 14
1981	6200.00 34	4870.00 34	3730.00 34	3150.00 28	2590.00 24	1910.00 26	1520.00 28	1350.00 29	1090.00 29
1982	8230.00 24	7810.00 23	6210.00 17	4870.00 12	4480.00 5	3320.00 3	2670.00 3	2310.00 4	1760.00 6
1983	5830.00 35	4550.00 36	3170.00 36	1950.00 36	1740.00 35	1290.00 35	1010.00 36	896.00 36	858.00 35
1984	7470.00 28	6190.00 27	5620.00 24	4480.00 14	2990.00 20	2360.00 17	2070.00 16	1750.00 18	1500.00 15
1985	15700.00 7	12900.00 7	8430.00 5	5520.00 6	3950.00 8	2900.00 8	2150.00 12	1840.00 16	1460.00 17

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	1020.00 28
1949	1240.00 33
1950	1300.00 36
1951	1120.00 30
1952	974.00 27
1953	646.00 12
1954	410.00 2
1955	549.00 8
1956	719.00 17
1957	557.00 9
1958	1360.00 38
1959	1280.00 35
1960	712.00 15
1961	505.00 5
1962	955.00 25
1963	576.00 10
1964	411.00 3
1965	804.00 19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1947	796.00 23
1948	958.00 13
1949	1010.00 12
1950	1460.00 1
1951	1060.00 8
1952	936.00 15
1953	657.00 30
1954	266.00 39
1955	624.00 31
1956	844.00 18
1957	1090.00 6
1958	1160.00 4
1959	941.00 14
1960	578.00 33
1961	746.00 27
1962	734.00 28
1963	520.00 36
1964	759.00 25

## 03349000 WHITE RIVER AT NOBLESVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	476.00	4
1967	640.00	11
1968	713.00	16
1969	845.00	21
1970	842.00	20
1971	677.00	13
1972	536.00	6
1973	1340.00	37
1974	1250.00	34
1975	1100.00	29
1976	966.00	26
1977	364.00	1
1978	766.00	18
1979	932.00	24
1980	1200.00	31
1981	703.00	14
1982	1210.00	32
1983	548.00	7
1984	875.00	22
1985	929.00	23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	584.00	32
1966	317.00	38
1967	758.00	26
1968	839.00	19
1969	829.00	21
1970	788.00	24
1971	543.00	34
1972	830.00	20
1973	1380.00	2
1974	1180.00	3
1975	1020.00	11
1976	809.00	22
1977	324.00	37
1978	1040.00	9
1979	1090.00	7
1980	1140.00	5
1981	662.00	29
1982	1020.00	10
1983	540.00	35
1984	913.00	16
1985	877.00	17

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	122.00	164.00	369.00	1136.0	717.00	788.00	1861.0	1946.0	1310.0	589.00	344.00	209.00
1948	226.00	243.00	262.00	1364.0	1091.0	2729.0	3394.0	801.00	575.00	484.00	210.00	145.00
1949	169.00	840.00	1332.0	4042.0	1742.0	1226.0	785.00	550.00	596.00	424.00	207.00	167.00
1950	343.00	180.00	597.00	6494.0	3485.0	1930.0	1421.0	686.00	846.00	706.00	279.00	605.00
1951	306.00	1086.0	1762.0	1656.0	2679.0	1515.0	1933.0	838.00	374.00	408.00	142.00	122.00
1952	132.00	227.00	1112.0	2400.0	1831.0	2189.0	1565.0	722.00	374.00	161.00	190.00	349.00
1953	149.00	255.00	587.00	792.00	727.00	1882.0	796.00	1442.0	371.00	521.00	217.00	118.00
1954	114.00	126.00	151.00	240.00	289.00	513.00	839.00	318.00	269.00	142.00	136.00	69.30
1955	347.00	213.00	364.00	1374.0	878.00	1647.0	980.00	423.00	515.00	372.00	181.00	199.00
1956	724.00	1750.0	509.00	261.00	1793.0	1004.0	1108.0	1393.0	1053.0	347.00	159.00	115.00
1957	108.00	129.00	281.00	633.00	852.00	538.00	3642.0	1852.0	2834.0	1409.0	407.00	419.00
1958	495.00	751.00	2594.0	765.00	432.00	674.00	657.00	810.00	4432.0	1006.0	921.00	361.00
1959	303.00	830.00	477.00	1994.0	2359.0	1391.0	1727.0	1442.0	386.00	213.00	150.00	133.00
1960	264.00	378.00	593.00	999.00	1524.0	779.00	640.00	550.00	448.00	520.00	176.00	106.00
1961	110.00	120.00	124.00	144.00	299.00	2779.0	2541.0	1211.0	694.00	311.00	329.00	263.00
1962	178.00	338.00	314.00	2292.0	1109.0	1894.0	468.00	463.00	395.00	964.00	220.00	158.00
1963	202.00	205.00	182.00	157.00	175.00	3254.0	853.00	406.00	239.00	239.00	168.00	99.20
1964	88.40	109.00	107.00	140.00	141.00	2314.0	4281.0	699.00	325.00	642.00	154.00	125.00
1965	113.00	121.00	151.00	353.00	1164.0	1611.0	2120.0	559.00	286.00	156.00	120.00	321.00
1966	290.00	166.00	180.00	494.00	652.00	413.00	405.00	602.00	266.00	138.00	103.00	118.00
1967	117.00	250.00	2206.0	630.00	847.00	1970.0	1275.0	1078.0	280.00	175.00	123.00	116.00
1968	152.00	166.00	1822.0	825.00	1772.0	807.00	1057.0	1403.0	855.00	410.00	639.00	180.00
1969	157.00	387.00	910.00	2025.0	1635.0	523.00	1378.0	704.00	641.00	574.00	564.00	509.00
1970	708.00	1263.0	605.00	799.00	1245.0	1166.0	1835.0	779.00	449.00	256.00	248.00	162.00
1971	203.00	230.00	262.00	254.00	2498.0	1119.0	322.00	748.00	420.00	204.00	154.00	257.00
1972	201.00	167.00	1403.0	1077.0	389.00	1044.0	2988.0	895.00	608.00	434.00	198.00	556.00
1973	609.00	2805.0	1818.0	1276.0	1064.0	2805.0	2095.0	674.00	1608.0	572.00	969.00	255.00
1974	260.00	776.00	1677.0	3061.0	1555.0	1524.0	2036.0	1328.0	1016.0	459.00	227.00	264.00
1975	174.00	281.00	1070.0	1802.0	2858.0	1866.0	1727.0	1015.0	902.00	215.00	261.00	190.00
1976	210.00	271.00	856.00	1174.0	3193.0	1697.0	373.00	254.00	612.00	831.00	179.00	153.00
1977	159.00	138.00	133.00	102.00	463.00	975.00	628.00	472.00	199.00	149.00	286.00	191.00
1978	412.00	242.00	2156.0	381.00	240.00	3732.0	2129.0	1275.0	385.00	485.00	592.00	357.00
1979	237.00	391.00	729.00	958.00	1329.0	2347.0	1552.0	461.00	762.00	1574.0	2264.0	465.00
1980	338.00	1483.0	1394.0	761.00	801.00	2467.0	1391.0	728.00	2627.0	485.00	900.00	326.00
1981	208.00	200.00	233.00	176.00	864.00	368.00	763.00	2213.0	1469.0	764.00	406.00	303.00
1982	295.00	238.00	531.00	1378.0	2566.0	3647.0	1485.0	576.00	769.00	315.00	348.00	153.00
1983	139.00	219.00	1111.0	466.00	598.00	416.00	1341.0	1212.0	430.00	285.00	153.00	107.00
1984	200.00	735.00	1642.0	333.00	1538.0	2535.0	2071.0	779.00	342.00	342.00	260.00	207.00
1985	231.00	691.00	821.00	926.00	2418.0	2195.0	1716.0	650.00	435.00	209.00	181.00	183.00

## WABASH RIVER BASIN

03349000 WHITE RIVER AT NOBLESVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
149.00	167.00	262.00	353.00	652.00	807.00
FIFTIETH PERCENTILE					
203.00	243.00	597.00	825.00	1109.00	1611.00
SEVENTY FIFTH PERCENTILE					
303.00	735.00	1394.00	1378.00	1793.00	2314.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
796.00	559.00	374.00	215.00	159.00	125.00
FIFTIETH PERCENTILE					
1421.00	748.00	515.00	410.00	217.00	190.00
SEVENTY FIFTH PERCENTILE					
2036.00	1212.00	855.00	574.00	348.00	321.00

## 03349500 CICERO CREEK NEAR ARCADIA, IN

LOCATION.--Lat 40°10'34", long 85°59'43", in NW¼NW¼ sec.20, T.20 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of bridge, 1.5 mi east of Arcadia, 12.5 mi upstream from Morse Dam, and at mile 17.2.

DRAINAGE AREA.--131 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1954 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 815.12 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 7, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--22 years, 122 ft<sup>3</sup>/s, 12.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,720 ft<sup>3</sup>/s June 29, 1957, gage height, 11.86 ft; minimum daily, 0.5 ft<sup>3</sup>/s Oct. 10, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 15.6 ft (probably the flood in January 1937), from information by local residents.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1955					2	6	19	10	4	10	26	22	16	11	22	18	21	26	15	19	32	18	19	19	12	7	3	3	2	2	1					
1956					4	4	8	10	10	8	5	7	10	28	20	18	28	23	32	38	27	25	17	13	7	7	2	7	4	4						
1957	1	1	5	12	24	14	3		3	2	5	6	7	14	12	11	14	26	33	37	20	17	18	17	16	11	9	13	7	4		1	1	1		
1958											6	10	19	16	23	36	41	43	35	25	21	10	15	10	16	8	9	7	5	4	3	3				
1959			1	10	10	6	9	13	8	9	13	13	23	18	14	19	14	19	23	20	24	24	24	12	12	6	7	7	3		3	1				
1960					2	1	8	12	4	5	6	4	32	25	23	44	42	38	26	22	13	14	16	6	6	5	4	5	3							
1961					2	8	26	34	20	23	19	16	10	14	19	17	15	16	12	17	17	10	7	11	7	12	11	6	11	2	3					
1962									11	20	20	29	13	2	14	7	25	51	42	20	24	16	20	10	8	5	8	5	6	4	2	1		1	1	
1963					2	7	21	9	9	20	34	31	27	43	27	17	16	21	14	8	10	7	3	3	2	12	8	5	6	1		2				
1964					8	18	25	32	17	27	23	23	28	13	19	10	12	6	9	9	10	11	6	13	9	5	8	5	6	6	4	1	1	1	1	
1965					10	23	43	33	22	20	15	7	11	6	22	10	10	14	17	12	22	12	14	7	5	8	7	8	5	1	1					
1966			1	6	17	22	13	8	4	14	25	36	28	37	17	22	24	20	15	18	14	9	6	4	2		2	1								
1967	6	8	13	11	19	29	24	14	9	3	5	8	4	22	8	25	22	26	17	16	16	13	9	13	6	3	9	3		2	2					
1968					14	33	20	10	14	8	13	9	5	4	14	37	23	17	11	20	17	16	18	21	10	9	4	6	6	2	1	2	2			
1969					2	10	5	15	16	15	7	7	14	20	29	15	24	32	29	35	20	17	13	13	6	5	5	4	2	2	3					
1970									9	13	17	17	12	21	23	14	30	19	35	34	24	23	20	12	16	6	7	3	5	5						
1971							1	6	4	11	20	13	22	27	25	30	33	36	31	30	17	15	15	10	5	7		2	3	2						
1972							3	7	9	12	6	43	31	33	30	32	34	16	21	19	12	17	13	5	8	4	6	2	2	1						
1973									4	12	7	15	17	10	13	31	25	27	31	25	35	27	24	21	12	9	12	3	5							
1974			1	2	8	15	10	10	8	10	13	15	12	13	24	26	33	24	25	25	17	13	13	13	13	12	8	12	3							
1975					2	9	7	13	22	24	27	18	10	8	8	10	16	24	33	28	20	30	14	13	10	7	5	4	2	1						
1976	8	3	4	3	3	9	9	11	3	9	24	26	30	24	14	25	27	18	22	25	15	7	7	8	6	9	6	5	3	1	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	8036	100.00	12	9.5	276	6173	76.82	24	240.0	228	1028	12.79
1	0.50	9	8036	100.00	13	12.0	402	5897	73.38	25	310.0	221	800	9.96
2	0.65	10	8027	99.89	14	16.0	426	5495	68.38	26	410.0	156	579	7.21
3	0.86	27	8017	99.76	15	21.0	424	5069	63.08	27	530.0	127	423	5.26
4	1.1	92	7990	99.43	16	28.0	447	4645	57.80	28	690.0	138	296	3.68
5	1.5	175	7898	98.28	17	36.0	533	4198	52.24	29	910.0	69	158	1.97
6	1.9	249	7723	96.11	18	48.0	493	3665	45.61	30	1200.0	51	89	1.11
7	2.5	220	7474	93.01	19	62.0	510	3172	39.47	31	1600.0	20	38	0.47
8	3.3	233	7254	90.27	20	81.0	544	2662	33.13	32	2000.0	14	18	0.22
9	4.3	234	7021	87.37	21	110.0	396	2118	26.36	33	2700.0	3	4	0.05
10	5.6	299	6787	84.46	22	140.0	353	1722	21.43	34	3500.0	1	1	0.01
11	7.3	315	6488	80.74	23	180.0	341	1369	17.04					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	2.1
P90 =	3.4
P75 =	10.8
P70 =	14.7
P50 =	40.1
P25 =	118.0
P10 =	309.0

## 03349500 CICERO CREEK NEAR ARCADIA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1956	1.19 7	1.60 8	1.80 8	1.90 7	2.20 6	8.80 12	36.00 16	54.00 18	61.00 15
1957	0.50 1	0.70 1	0.93 2	1.10 1	1.50 2	1.80 1	2.50 3	5.30 6	25.00 11
1958	7.40 21	7.60 21	8.80 21	10.00 21	33.00 21	56.00 21	74.00 21	114.00 21	165.00 21
1959	6.80 20	7.10 20	7.80 20	9.10 20	14.00 19	17.00 17	24.00 15	63.00 19	90.00 19
1960	1.00 4	1.30 5	1.60 6	1.70 4	2.70 9	3.40 8	6.20 8	11.00 9	21.00 8
1961	1.40 8	1.50 7	1.80 7	1.90 8	2.30 7	2.80 7	3.60 6	3.80 5	12.00 4
1962	2.30 12	2.30 12	2.30 11	2.50 10	3.30 11	6.60 9	7.30 9	19.00 12	28.00 12
1963	3.10 14	3.20 14	3.70 15	3.90 13	6.60 13	9.00 13	11.00 11	13.00 10	16.00 6
1964	1.00 5	1.00 3	1.00 3	1.10 2	1.70 3	2.20 4	3.10 5	3.70 4	5.60 2
1965	1.19 6	1.30 6	1.40 4	1.70 5	2.00 4	2.10 2	2.20 1	2.50 2	3.90 1
1966	1.90 10	2.00 10	2.20 10	2.50 11	2.70 10	6.60 10	11.00 12	26.00 14	23.00 10
1967	0.80 3	1.19 4	1.60 5	1.90 6	2.00 5	2.60 5	2.90 4	3.40 3	13.00 5
1968	0.74 2	0.80 2	0.89 1	1.10 3	1.30 1	2.10 3	2.50 2	2.40 1	8.70 3
1969	1.60 9	1.70 9	1.90 9	2.10 9	2.50 8	2.80 6	4.20 7	7.90 7	22.00 9
1970	4.30 17	4.70 18	5.50 18	6.00 17	8.40 17	44.00 20	52.00 20	48.00 16	85.00 18
1971	4.40 18	4.60 17	5.10 16	6.40 18	9.80 18	24.00 18	38.00 17	42.00 15	63.00 16
1972	3.20 15	3.30 15	3.40 13	4.50 14	7.50 16	10.00 14	13.00 13	14.00 11	20.00 7
1973	3.80 16	4.00 16	5.20 17	5.60 16	6.60 14	15.00 16	49.00 19	54.00 17	93.00 20
1974	6.80 19	7.00 19	7.10 19	8.80 19	16.00 20	34.00 19	40.00 18	67.00 20	77.00 17
1975	2.40 13	2.90 13	3.40 14	5.00 15	6.70 15	7.40 11	8.00 10	9.60 8	41.00 13
1976	2.00 11	2.20 11	2.60 12	3.70 12	4.50 12	10.00 15	16.00 14	24.00 13	44.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	1220.00 19	992.00 20	648.00 21	424.00 20	248.00 21	175.00 21	170.00 21	168.00 21	137.00 20
1956	1500.00 16	1250.00 15	1110.00 11	711.00 10	403.00 16	289.00 16	241.00 16	222.00 14	196.00 11
1957	5560.00 1	3730.00 1	2030.00 1	1060.00 2	659.00 2	489.00 3	500.00 1	444.00 1	346.00 2
1958	2420.00 5	2170.00 3	1950.00 2	1150.00 1	633.00 3	453.00 4	337.00 5	265.00 8	199.00 9
1959	2000.00 9	1570.00 10	1010.00 13	591.00 16	553.00 7	383.00 7	315.00 6	299.00 3	245.00 4
1960	1090.00 21	1010.00 19	716.00 19	411.00 21	264.00 20	209.00 20	187.00 20	172.00 20	133.00 21
1961	1380.00 17	1180.00 16	893.00 14	676.00 11	492.00 9	437.00 5	355.00 3	298.00 4	212.00 8
1962	2760.00 3	2140.00 4	1130.00 9	639.00 13	433.00 13	341.00 11	292.00 7	231.00 12	170.00 14
1963	2590.00 4	2090.00 6	1220.00 8	863.00 6	675.00 1	394.00 6	277.00 11	212.00 15	156.00 17
1964	3160.00 2	2490.00 2	1510.00 3	926.00 4	615.00 6	499.00 2	355.00 4	275.00 6	197.00 10
1965	1270.00 18	867.00 21	692.00 20	496.00 18	346.00 18	299.00 15	253.00 13	212.00 16	148.00 19
1966	767.00 22	569.00 22	341.00 22	199.00 22	132.00 22	100.00 22	87.00 22	80.00 22	79.00 22
1967	2250.00 6	2130.00 5	1480.00 4	845.00 7	467.00 10	334.00 13	253.00 14	280.00 5	233.00 5
1968	2230.00 7	1730.00 8	1230.00 6	745.00 9	432.00 14	376.00 8	288.00 9	254.00 10	214.00 7
1969	1960.00 10	1840.00 7	1230.00 7	780.00 8	527.00 8	336.00 12	245.00 15	229.00 13	173.00 13
1970	1540.00 15	1280.00 14	863.00 16	557.00 17	357.00 17	319.00 14	231.00 17	206.00 17	182.00 12
1971	1210.00 20	1160.00 18	880.00 15	596.00 15	411.00 15	280.00 17	206.00 18	174.00 18	153.00 18
1972	1610.00 13	1540.00 11	1050.00 12	623.00 14	437.00 12	258.00 19	192.00 19	172.00 19	160.00 16
1973	1580.00 14	1180.00 17	731.00 18	659.00 12	456.00 11	344.00 10	291.00 8	265.00 7	274.00 3
1974	1800.00 11	1640.00 9	1320.00 5	1050.00 3	628.00 4	506.00 1	458.00 2	395.00 2	363.00 1
1975	1610.00 12	1320.00 13	794.00 17	459.00 19	324.00 19	275.00 18	267.00 12	257.00 9	233.00 6
1976	2090.00 8	1500.00 12	1120.00 10	902.00 5	616.00 5	365.00 9	284.00 10	242.00 11	168.00 15

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	101.00 7
1957	108.00 10
1958	246.00 21
1959	186.00 18
1960	100.00 6
1961	82.00 5
1962	142.00 15
1963	80.00 4
1964	59.00 1
1965	102.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	87.00 19
1956	128.00 8
1957	201.00 2
1958	178.00 4
1959	135.00 7
1960	92.00 18
1961	111.00 12
1962	99.00 16
1963	85.00 20
1964	101.00 15

## 03349500 CICERO CREEK NEAR ARCADIA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	73.00	3
1967	111.00	11
1968	111.00	12
1969	104.00	9
1970	133.00	14
1971	127.00	13
1972	59.00	2
1973	200.00	19
1974	201.00	20
1975	155.00	17
1976	143.00	16

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	82.00	21
1966	44.00	22
1967	122.00	9
1968	118.00	10
1969	114.00	11
1970	138.00	5
1971	92.00	17
1972	110.00	13
1973	186.00	3
1974	225.00	1
1975	137.00	6
1976	103.00	14

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	18.60	11.40	43.20	210.00	99.30	184.00	162.00	65.10	70.80	154.00	10.70	12.50
1956	86.80	180.00	59.80	18.70	276.00	121.00	89.80	297.00	190.00	205.00	15.10	4.14
1957	1.65	3.16	67.90	115.00	199.00	106.00	623.00	314.00	533.00	289.00	112.00	63.40
1958	114.00	196.00	483.00	86.60	44.90	87.70	47.20	52.40	624.00	213.00	161.00	19.40
1959	18.60	205.00	73.40	275.00	385.00	182.00	270.00	180.00	38.80	12.40	3.16	5.55
1960	23.40	52.10	98.70	137.00	222.00	162.00	104.00	48.90	52.70	152.00	47.40	5.66
1961	2.47	4.21	4.33	22.80	57.00	475.00	391.00	161.00	125.00	45.20	25.50	9.19
1962	4.23	53.30	35.30	409.00	160.00	288.00	50.00	42.60	30.70	95.70	6.76	11.80
1963	36.70	20.10	10.70	9.98	13.80	615.00	146.00	48.80	11.70	88.40	4.86	1.93
1964	2.77	7.86	2.35	13.70	7.37	369.00	607.00	75.20	33.00	90.50	2.56	2.31
1965	2.06	3.54	2.65	16.30	149.00	248.00	346.00	70.50	59.90	15.00	3.16	76.80
1966	15.70	10.50	28.80	98.20	95.20	60.50	58.30	104.00	48.90	6.37	2.05	3.56
1967	3.10	24.40	448.00	138.00	148.00	347.00	135.00	168.00	38.20	5.89	1.54	2.76
1968	3.13	2.39	387.00	178.00	291.00	123.00	137.00	155.00	104.00	15.90	19.30	2.69
1969	3.36	28.80	127.00	376.00	220.00	68.90	179.00	73.00	39.20	89.10	31.80	144.00
1970	267.00	335.00	81.60	90.10	120.00	145.00	316.00	130.00	22.30	48.50	81.70	21.70
1971	111.00	114.00	75.50	57.80	397.00	178.00	34.90	62.70	55.10	14.20	9.29	19.00
1972	17.90	14.90	231.00	121.00	35.20	84.10	432.00	56.80	70.00	114.00	9.33	139.00
1973	168.00	442.00	243.00	183.00	137.00	405.00	235.00	51.50	153.00	23.80	171.00	16.60
1974	52.10	273.00	373.00	586.00	234.00	239.00	282.00	292.00	304.00	54.50	8.33	7.36
1975	8.93	14.10	156.00	221.00	305.00	217.00	247.00	246.00	146.00	19.30	50.70	21.30
1976	12.00	28.20	152.00	107.00	517.00	189.00	33.60	14.20	116.00	85.40	4.04	1.55

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.12	9.84	33.70	49.00	85.60	117.00
FIFTIETH PERCENTILE					
16.80	26.30	78.50	118.00	155.00	183.00
SEVENTY FIFTH PERCENTILE					
60.80	184.00	234.00	213.00	280.00	303.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
81.90	52.20	38.60	15.70	3.82	3.36
FIFTIETH PERCENTILE					
171.00	74.10	64.90	69.90	10.00	10.50
SEVENTY FIFTH PERCENTILE					
324.00	171.00	148.00	124.00	48.20	21.40

## 03349700 LITTLE CICERO CREEK NEAR ARCADIA, IN

LOCATION.--Lat 40°10'32", long 86°02'45", in NE1/4 sec.23, T.20 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of county road bridge, 0.6 mi downstream from Taylor Creek, 1.3 mi west of Arcadia, 3.9 mi upstream from mouth, and 9.3 mi northwest of Noblesville.

DRAINAGE AREA.--40.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1955 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 831.36 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1974, at same site at datum 2.00 ft higher.

AVERAGE DISCHARGE.--21 years, 39.7 ft<sup>3</sup>/s, 13.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,980 ft<sup>3</sup>/s June 28, 1957, gage height, 10.69 ft present datum; no flow at times during 1957, 1963, 1964, and 1966-68.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1956					4		3		5		3	4	8	12	11	9	18	36	22	28	33	27	40	24	25	20	13	4	10	3	1	2	1		
1957	2				18		4		10		11	7	8	6	6	7	5	23	19	19	44	30	32	19	27	21	16	9	8	9	2			2	1
1958													1	9	5	4	11	30	45	41	45	38	28	22	20	19	14	10	6	6	4	2	5		
1959					2		11		8	2	5	15	21	11	8	11	11	19	30	28	25	31	31	27	19	7	5	4			1		1	1	
1960											12	15	11	10	17	29	27	22	44	34	33	26	23	18	17	9	7	4	3	5					
1961							1		9	13	15	32	22	21	26	31	22	14	15	10	13	14	14	15	11	23	17	12	4	3	4	2	1	1	
1962									2	2	4	10	20	27	14	14	26	27	44	27	25	28	23	19	15	10	12	5	5	1	2	1	1	1	
1963	17				8		4		7	2	8	13	28	49	39	33	21	13	18	22	14	7	9	6	19	11	7	4	1	3	1			1	
1964	53				16		28		25	5	9	5	15	24	17	17	10	15	8	11	14	9	13	12	11	17	6	8	8	3	4		1	1	1
1965	21				9		16		23	11	21	24	20	18	13	23	25	12	11	11	14	15	18	16	11	12	7	7	4	1	1	1			
1966	40				11		2		5	3	3	8	5	38	40	34	31	28	24	20	21	13	14	11	7	3	2	1	1						
1967	57				16		3		10	5	7	7	14	12	6	9	11	21	18	19	34	14	17	18	22	19	8	8		4	3	1	2		
1968	15	1		5					2		9	16	7	7	32	30	8	7	39	42	18	13	12	17	9	20	22	11	5	8	5	3		3	
1969											12	9	20	17	10	8	10	13	15	31	30	26	39	29	20	23	26	9	4	6	3	2	2	1	
1970					1	2	1	3	10		6	10	9	14	8	13	10	6	36	17	29	31	31	30	25	21	20	11	6	5	6	3	1		
1971										1	8	6	18	16	21	18	21	34	50	41	39	24	14	13	11	13	6	3	3	4	1				
1972											12	31	51	28	17	21	10	22	22	39	29	15	17	15	14	7	6	5	1	2	1			1	
1973											8	2	10	17	11	7	12	8	27	46	25	34	46	31	24	15	15	15	8	3	1				
1974									3	3	6	15	18	8	6	6	14	17	24	25	32	40	36	25	22	15	12	14	11	6	5	2			
1975									3	2	5	17	37	31	14	12	22	15	15	29	16	23	29	23	23	18	10	7	6	3	3	1	1		
1976					1	3	14	14	16	9	2	8	9	32	32	17	18	22	35	19	19	25	20	14	8	8	5	7	3	4	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	205	7671	100.00	12	1.1	322	6669	86.94	24	55.0	395	1399	18.24
1	0.03	1	7466	97.33	13	1.5	422	6347	82.74	25	76.0	350	1004	13.09
2	0.04	0	7465	97.31	14	2.1	373	5925	77.24	26	110.0	208	654	8.53
3	0.06	5	7465	97.31	15	2.9	345	5552	72.38	27	150.0	140	446	5.81
4	0.08	85	7460	97.25	16	4.0	338	5207	67.88	28	200.0	123	306	3.99
5	0.11	3	7375	96.14	17	5.6	453	4869	63.47	29	280.0	82	183	2.39
6	0.15	76	7372	96.10	18	7.7	522	4416	57.57	30	390.0	50	101	1.32
7	0.21	19	7296	95.11	19	11.0	525	3894	50.76	31	540.0	22	51	0.66
8	0.30	131	7277	94.86	20	15.0	569	3369	43.92	32	740.0	19	29	0.38
9	0.41	92	7146	93.16	21	21.0	486	2800	36.50	33	1000.0	8	10	0.13
10	0.57	158	7054	91.96	22	28.0	495	2314	30.17	34	1400.0	2	2	0.03
11	0.79	227	6896	89.90	23	39.0	420	1819	23.71					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.25  
P90 = 0.78  
P75 = 2.5  
P70 = 3.5  
P50 = 11.4  
P25 = 36.8  
P10 = 99.0



## 03349700 LITTLE CICERO CREEK NEAR ARCADIA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	0.00 1	0.03 5	0.07 5	0.09 5	0.12 5	0.34 5	0.80 5	1.50 6	7.90 11
1958	1.50 20	1.60 19	2.00 19	2.20 19	5.30 18	19.00 20	24.00 20	32.00 20	49.00 20
1959	1.30 19	2.30 20	4.30 20	5.30 20	10.00 20	15.00 18	18.00 17	27.00 19	41.00 19
1960	0.10 7	0.13 7	0.20 6	0.27 6	0.46 6	0.92 8	1.60 8	2.40 7	5.60 7
1961	0.20 9	0.27 9	0.33 8	0.42 9	0.61 9	0.76 7	0.91 6	1.00 5	2.60 3
1962	0.60 16	0.70 16	0.76 16	0.95 13	1.90 17	5.70 16	8.00 16	14.00 16	26.00 16
1963	0.40 11	0.43 11	0.53 11	0.71 11	1.19 12	2.10 13	2.70 12	3.30 10	4.80 6
1964	0.00 2	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.09 1	0.16 1	0.68 1
1965	0.00 3	0.00 2	0.00 2	0.00 2	0.02 4	0.06 3	0.22 3	0.36 2	2.00 2
1966	0.10 8	0.17 8	0.33 9	0.41 8	0.74 10	2.30 14	3.40 13	5.80 14	5.90 8
1967	0.00 4	0.00 3	0.00 3	0.00 3	0.00 2	0.09 4	0.25 4	0.39 3	2.80 4
1968	0.00 5	0.00 4	0.00 4	0.00 4	0.00 3	0.00 2	0.19 2	0.69 4	3.00 5
1969	0.44 12	0.44 12	0.46 10	0.52 10	0.55 7	0.74 6	1.30 7	5.20 13	10.00 13
1970	0.55 15	0.58 15	0.69 14	1.10 15	1.70 15	11.00 17	23.00 19	23.00 17	29.00 18
1971	0.08 6	0.11 6	0.21 7	0.32 7	0.60 8	4.00 15	4.90 14	4.50 12	8.50 12
1972	0.50 13	0.55 13	0.71 15	1.30 17	1.80 16	1.90 11	2.60 11	2.80 8	7.00 10
1973	0.80 17	0.87 18	1.00 18	1.19 16	1.40 13	1.60 9	5.70 15	7.00 15	13.00 15
1974	0.80 18	0.80 17	0.94 17	1.40 18	5.50 19	19.00 19	19.00 18	24.00 18	28.00 17
1975	0.54 14	0.55 14	0.61 13	1.00 14	1.50 14	2.00 12	2.00 9	2.90 9	12.00 14
1976	0.33 10	0.34 10	0.55 12	0.83 12	1.10 11	1.90 10	2.50 10	3.50 11	6.70 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	888.00 11	686.00 6	424.00 6	269.00 8	147.00 13	110.00 12	88.00 12	75.00 14	67.00 10
1957	2340.00 1	1220.00 1	576.00 2	285.00 5	195.00 4	141.00 4	151.00 1	127.00 1	101.00 2
1958	967.00 8	694.00 5	601.00 1	320.00 1	175.00 6	155.00 2	122.00 3	97.00 3	72.00 9
1959	1110.00 5	592.00 10	302.00 15	180.00 16	162.00 9	111.00 11	88.00 13	78.00 13	64.00 11
1960	378.00 20	275.00 20	195.00 20	116.00 20	78.00 20	57.00 20	51.00 20	46.00 20	39.00 20
1961	1020.00 6	545.00 13	320.00 12	202.00 13	142.00 15	125.00 7	102.00 7	96.00 4	84.00 4
1962	1210.00 3	762.00 4	373.00 11	212.00 12	144.00 14	119.00 9	102.00 8	82.00 12	62.00 14
1963	1130.00 4	558.00 11	310.00 13	216.00 11	162.00 10	107.00 13	78.00 16	60.00 18	42.00 19
1964	1430.00 2	985.00 2	518.00 4	300.00 3	199.00 2	166.00 1	118.00 4	95.00 5	76.00 6
1965	716.00 17	377.00 17	231.00 19	157.00 19	103.00 19	88.00 18	79.00 14	62.00 17	45.00 17
1966	226.00 21	153.00 21	92.00 21	49.00 21	35.00 21	25.00 21	24.00 21	22.00 21	20.00 21
1967	962.00 9	882.00 3	528.00 3	283.00 6	156.00 11	105.00 14	78.00 15	83.00 10	72.00 7
1968	960.00 10	656.00 8	427.00 5	251.00 9	155.00 12	131.00 5	103.00 5	89.00 8	77.00 5
1969	830.00 13	684.00 7	420.00 7	278.00 7	185.00 5	123.00 8	91.00 11	83.00 11	63.00 12
1970	730.00 16	436.00 16	310.00 14	200.00 14	119.00 16	95.00 17	76.00 17	67.00 15	63.00 13
1971	539.00 19	327.00 19	245.00 17	165.00 17	118.00 17	85.00 19	61.00 19	51.00 19	42.00 18
1972	1000.00 7	651.00 9	374.00 10	237.00 10	165.00 7	99.00 15	72.00 18	66.00 16	57.00 16
1973	560.00 18	337.00 18	236.00 18	187.00 15	163.00 8	118.00 10	96.00 9	91.00 6	92.00 3
1974	871.00 12	558.00 12	420.00 8	309.00 2	195.00 3	152.00 3	136.00 2	123.00 2	115.00 1
1975	771.00 14	517.00 14	287.00 16	165.00 18	113.00 18	96.00 16	95.00 10	89.00 7	72.00 8
1976	733.00 15	497.00 15	382.00 9	293.00 4	212.00 1	130.00 6	102.00 6	88.00 9	61.00 15

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	36.00 9
1958	73.00 20
1959	62.00 18
1960	24.00 5
1961	25.00 6
1962	60.00 17
1963	21.00 4
1964	20.00 2
1965	39.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	44.00 6
1957	59.00 4
1958	61.00 2
1959	36.00 13
1960	27.00 17
1961	44.00 5
1962	36.00 14
1963	23.00 20
1964	39.00 11

## 03349700 LITTLE CICERO CREEK NEAR ARCADIA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	18.00	1
1967	33.00	7
1968	40.00	12
1969	39.00	11
1970	43.00	13
1971	33.00	8
1972	21.00	3
1973	58.00	16
1974	66.00	19
1975	52.00	15
1976	43.00	14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	24.00	19
1966	11.00	21
1967	38.00	12
1968	43.00	7
1969	42.00	8
1970	41.00	9
1971	26.00	18
1972	32.00	16
1973	60.00	3
1974	73.00	1
1975	40.00	10
1976	35.00	15

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1956	29.10	64.00	18.60	5.04	87.30	37.40	29.10	127.00	55.40	68.80	3.39	1.86
1957	0.23	1.50	22.00	39.10	60.40	24.00	195.00	86.20	172.00	51.80	49.70	9.81
1958	31.40	64.70	145.00	27.80	17.40	27.50	15.40	23.60	172.00	76.80	110.00	15.80
1959	18.20	52.70	23.00	92.70	99.70	52.00	61.30	27.90	9.22	3.24	0.94	1.29
1960	4.48	15.60	26.20	36.30	68.20	41.50	24.40	8.55	18.80	69.50	13.40	1.06
1961	0.84	1.09	1.25	5.44	16.90	133.00	114.00	43.30	84.00	96.10	25.10	9.07
1962	3.55	32.10	16.80	137.00	60.90	102.00	18.20	12.30	17.80	31.00	1.66	2.94
1963	14.20	5.02	2.31	2.96	2.94	140.00	65.20	22.40	7.74	10.70	1.04	0.07
1964	0.00	0.27	0.30	3.18	2.74	129.00	197.00	22.50	25.90	81.60	1.25	0.12
1965	0.04	0.60	0.75	9.35	61.10	76.50	98.30	7.22	17.00	6.42	0.84	16.60
1966	3.43	2.68	6.47	20.60	27.80	17.30	18.90	24.70	11.50	1.09	0.08	0.48
1967	0.23	9.86	146.00	40.80	38.50	97.00	40.50	64.10	10.00	5.40	0.16	0.00
1968	0.54	2.19	150.00	60.30	93.60	47.20	47.30	61.40	28.00	3.16	16.80	0.63
1969	0.87	17.70	61.00	140.00	67.10	27.40	60.20	12.80	20.90	56.00	10.10	31.90
1970	70.20	110.00	23.50	30.00	39.20	57.30	117.00	32.00	6.35	5.24	8.30	1.27
1971	13.20	22.80	15.40	12.30	118.00	55.80	11.60	19.90	38.10	3.15	2.95	4.37
1972	1.82	2.14	75.40	43.90	12.80	33.80	164.00	14.60	10.50	13.40	1.48	7.63
1973	29.30	124.00	80.70	65.30	50.40	142.00	89.40	16.40	61.10	8.56	42.70	6.41
1974	37.00	83.90	114.00	171.00	63.10	93.60	85.80	104.00	107.00	11.10	2.00	2.34
1975	1.84	6.30	46.70	71.20	104.00	88.50	93.50	34.70	22.40	2.23	7.89	1.48
1976	2.54	10.30	54.50	43.30	164.00	86.00	13.40	4.30	30.20	21.60	0.81	0.30

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.69	2.16	10.90	10.80	22.60	35.60
FIFTIETH PERCENTILE					
3.43	10.30	23.50	39.10	60.90	57.30
SEVENTY FIFTH PERCENTILE					
23.60	58.30	78.00	68.20	90.40	99.50
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
21.60	13.70	11.00	4.24	0.99	0.56
FIFTIETH PERCENTILE					
61.30	23.60	22.40	11.10	2.95	1.86
SEVENTY FIFTH PERCENTILE					
106.00	52.30	58.20	62.40	15.10	8.35

## 03350000 CICERO CREEK NEAR CICERO, IN

LOCATION.--Lat 40°05'25", long 86°02'25" (revised), in SE¼ sec.14, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, near center of right span on upstream side of highway bridge, 2.2 mi upstream from Hinkle Creek and 3 mi south of Cicero.

DRAINAGE AREA.--196 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1946 to September 1954 (discontinued).

GAGE.--Wire-weight gage. Datum of gage is 772.74 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Flood Control and Water Resources Commission).

AVERAGE DISCHARGE.--8 years (1946-54), 184 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,560 ft<sup>3</sup>/s Jan. 4, 1950, gage height, 12.06 ft; minimum daily, 0.2 ft<sup>3</sup>/s Sept. 23-26, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 15.8 ft in March 1913, from floodmark, from information by local residents.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1947										10	7	19	21	26	26	25	20	9	30	14	17	17	16	23	30	19	15	6	5	4	4	2			
1948									2	16	3	6	10	17	44	31	27	34	20	10	22	17	13	16	19	12	11	10	9	7	3	5	2		
1949									2	7	8	12	15	34	26	9	14	10	17	12	36	42	29	19	16	10	8	10	10	9	2	6		2	
1950									2	4	4	10	14	8	12	25	21	30	27	22	16	19	12	21	17	28	22	10	7	10	5	12	5		2
1951								2	3	6	24	10	3	3	15	25	18	16	16	17	32	31	34	26	17	23	12	12	6	7	5	2			
1952				1			3	19	9	6	9	9	14	12	12	15	13	13	11	25	25	38	40	21	20	16	12	9	7	3	3	1			
1953								1		15	18	30	16	8	4	11	11	12	26	34	45	39	30	22	16	10	7	5	3	1	1				
1954	4	5	4	6	7	3	8	25	13	67	32	8	8	11	10	15	15	19	25	27	17	10	12	7	4	2	1								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	2922	100.00	12	5.7	110	2510	85.90	24	220.0	149	609	20.84
1	0.20	4	2922	100.00	13	7.7	126	2400	82.14	25	300.0	132	460	15.74
2	0.27	5	2918	99.86	14	10.0	154	2274	77.82	26	400.0	96	328	11.23
3	0.37	4	2913	99.69	15	14.0	141	2120	72.55	27	550.0	68	232	7.94
4	0.50	7	2909	99.56	16	19.0	141	1979	67.73	28	740.0	51	164	5.61
5	0.68	7	2902	99.32	17	26.0	138	1838	62.90	29	1000.0	47	113	3.87
6	0.92	3	2895	99.08	18	35.0	154	1700	58.18	30	1400.0	23	66	2.26
7	1.2	13	2892	98.97	19	48.0	137	1546	52.91	31	1800.0	31	43	1.47
8	1.7	54	2879	98.53	20	65.0	209	1409	48.22	32	2500.0	8	12	0.41
9	2.3	65	2825	96.68	21	88.0	213	1200	41.07	33	3400.0	2	4	0.14
10	3.1	134	2760	94.46	22	120.0	191	987	33.78	34	4600.0	2	2	0.07
11	4.2	116	2626	89.87	23	160.0	187	796	27.24					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.9  
P90 = 4.2  
P75 = 12.2  
P70 = 16.7  
P50 = 58.5  
P25 = 181.0  
P10 = 456.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	2.10 5	2.30 5	2.60 4	2.70 2	3.70 3	7.20 4	9.40 3	9.60 2	13.00 2
1949	4.30 7	5.00 7	6.50 7	7.40 7	9.10 7	12.00 6	33.00 6	44.00 7	62.00 7
1950	2.20 6	2.30 6	2.60 5	4.00 5	5.90 5	6.70 3	12.00 4	23.00 5	40.00 4
1951	2.00 4	2.20 4	3.00 6	5.80 6	6.20 6	25.00 7	43.00 7	38.00 6	54.00 6
1952	0.50 1	1.19 2	1.90 2	2.90 3	3.00 2	3.30 1	5.20 2	11.00 3	35.00 3
1953	1.40 3	1.50 3	1.90 3	2.90 4	5.80 4	8.70 5	20.00 5	18.00 4	45.00 5
1954	0.60 2	0.80 1	1.50 1	2.50 1	2.90 1	3.40 2	3.50 1	3.60 1	12.00 1

## 03350000 CICERO CREEK NEAR CICERO, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1		3		7		15		30		60		90		120		183
1947	2260.00	6	1840.00	5	1300.00	4	826.00	6	598.00	5	508.00	5	431.00	5	341.00	6	293.00
1948	2740.00	4	2410.00	3	1720.00	3	1320.00	3	1150.00	3	727.00	3	558.00	3	469.00	3	346.00
1949	3540.00	2	3040.00	2	1860.00	2	1440.00	2	1180.00	2	838.00	2	654.00	2	531.00	2	392.00
1950	4840.00	1	4250.00	1	2700.00	1	2430.00	1	1660.00	1	1240.00	1	935.00	1	850.00	1	580.00
1951	2010.00	7	1570.00	7	1170.00	6	922.00	5	577.00	6	453.00	6	419.00	6	387.00	5	327.00
1952	2980.00	3	2090.00	4	1220.00	5	1080.00	4	699.00	4	566.00	4	503.00	4	455.00	4	380.00
1953	2360.00	5	1690.00	6	966.00	7	657.00	7	490.00	7	341.00	7	304.00	7	261.00	7	235.00
1954	690.00	8	491.00	8	352.00	8	253.00	8	183.00	8	143.00	8	120.00	8	108.00	8	84.00

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	197.00	4
1949	281.00	6
1950	289.00	7
1951	201.00	5
1952	190.00	3
1953	153.00	2
1954	82.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1947	157.00	6
1948	191.00	4
1949	209.00	3
1950	324.00	1
1951	187.00	5
1952	212.00	2
1953	148.00	7
1954	44.00	8

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	6.77	16.20	71.00	270.00	128.00	168.00	472.00	372.00	339.00	18.60	8.45	16.10
1948	4.53	11.40	18.90	258.00	249.00	596.00	755.00	137.00	84.20	91.50	73.30	14.00
1949	9.10	130.00	349.00	1152.0	426.00	156.00	136.00	65.50	35.50	39.40	11.70	6.11
1950	117.00	29.60	294.00	1616.0	685.00	436.00	401.00	57.10	79.70	80.30	6.25	102.00
1951	22.90	228.00	353.00	354.00	548.00	208.00	249.00	144.00	33.10	123.00	6.46	3.73
1952	6.25	41.40	269.00	503.00	403.00	494.00	322.00	276.00	127.00	53.60	7.23	47.00
1953	8.24	40.60	139.00	198.00	136.00	475.00	176.00	243.00	82.80	185.00	74.10	4.72
1954	3.70	3.23	4.06	39.00	61.60	105.00	166.00	49.00	76.00	14.80	7.43	0.68

## 03350100 HINKLE CREEK NEAR CICERO, IN

LOCATION.--Lat 40°06'05", long 86°05'10", in NW¼NW¼ sec.16, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on left bank on downstream side of bridge on county road, 3.7 mi above mouth, 4.0 mi upstream from Morse Reservoir Dam, 4.2 mi southwest of Cicero, and 5.7 mi northwest of Noblesville.

DRAINAGE AREA.--18.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1955 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Elevation of gage is 820 ft above National Geodetic Vertical Datum of 1929, from topographic map.

AVERAGE DISCHARGE.--21 years, 19.6 ft<sup>3</sup>/s, 14.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,920 ft<sup>3</sup>/s June 28, 1957, gage height, 8.45 ft; minimum daily, 0.07 ft<sup>3</sup>/s Sept. 8, 1967.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1956					2	5	4		5	9	14	7	9	19	34	42	45	28	28	37	29	17	11	7	4	5	3			1	1					
1957				1	14	20			18	4	4	5	21	14	13	15	18	36	38	31	21	21	20	17	9	12	6	2	3		1				1	
1958													19	5	7	37	59	71	49	19	22	16	21	12	8	4	6		3	4	1	1	1			
1959							6	3	21	12	13	12	15	14	17	42	24	30	33	34	29	22	16	8	4	5	2		1			2				
1960									10	21	10	27	24	35	30	42	40	34	24	20	14	8	6	7	6	4	2	2								
1961								1	11	9	15	41	28	54	25	22	26	22	16	18	11	12	11	17	9	6	6	1		2	1	1				
1962										31	14	36	27	18	25	23	52	35	29	25	12	11	6	6	5	4	2	1		2					1	
1963										2	13	24	47	34	42	43	34	15	13	21	11	6	6	12	14	9	1	5	1	1	1				1	
1964										8	15	38	61	43	28	15	14	16	15	15	14	18	10	11	9	9	10	4	5	4	1	1		1		1
1965										3	8	12	40	42	17	25	30	29	27	20	11	13	23	18	11	9	4	11	6	3	2	1				
1966																																				
1967																																				
1968																																				
1969																																				
1970																																				
1971																																				
1972																																				
1973																																				
1974																																				
1975																																				
1976																																				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	7671	100.00	12	1.9	547	5831	76.01	24	71.0	124	400	5.21
1	0.07	3	7671	100.00	13	2.6	466	5284	68.88	25	96.0	101	276	3.60
2	0.10	23	7668	99.96	14	3.5	414	4818	62.81	26	130.0	66	175	2.28
3	0.13	15	7645	99.66	15	4.7	572	4404	57.41	27	180.0	29	109	1.42
4	0.17	32	7630	99.47	16	6.4	600	3832	49.95	28	240.0	33	80	1.04
5	0.23	45	7598	99.05	17	8.6	633	3232	42.13	29	320.0	23	47	0.61
6	0.32	81	7553	98.46	18	12.0	568	2599	33.88	30	430.0	14	24	0.31
7	0.43	85	7472	97.41	19	16.0	484	2031	26.48	31	580.0	4	10	0.13
8	0.58	331	7387	96.30	20	21.0	412	1547	20.17	32	790.0	2	6	0.08
9	0.78	462	7056	91.98	21	29.0	299	1135	14.80	33	1100.0	2	4	0.05
10	1.1	332	6594	85.96	22	39.0	247	836	10.90	34	1400.0	2	2	0.03
11	1.4	431	6262	81.63	23	53.0	189	589	7.68					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.64  
P90 = 0.89  
P75 = 2.0  
P70 = 2.5  
P50 = 6.4  
P25 = 17.2  
P10 = 42.9

## 03350100 HINKLE CREEK NEAR CICERO, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	0.20 3	0.23 3	0.29 3	0.32 3	0.38 3	0.54 3	0.76 5	1.10 5	4.60 13
1958	1.40 19	1.50 19	1.80 19	2.10 18	3.10 18	6.40 18	5.90 17	9.60 18	24.00 20
1959	2.20 20	2.20 20	2.70 20	4.00 20	5.30 20	7.20 19	8.80 19	11.00 19	19.00 19
1960	0.40 7	0.40 7	0.46 9	0.62 8	0.86 13	1.10 11	1.60 11	2.40 12	3.50 10
1961	0.50 13	0.57 13	0.59 11	0.67 9	0.77 11	0.93 8	1.30 8	1.60 8	2.60 6
1962	1.19 17	1.30 17	1.30 17	1.50 16	2.60 17	4.00 17	5.10 16	7.90 16	12.00 17
1963	0.80 15	0.80 15	0.80 15	0.84 15	1.00 15	1.30 12	2.10 14	2.40 13	2.60 7
1964	0.40 8	0.40 8	0.41 6	0.44 4	0.47 4	0.57 4	0.68 3	0.76 3	0.93 1
1965	0.40 9	0.43 9	0.44 7	0.53 5	0.60 5	0.72 5	0.71 4	0.86 4	2.20 4
1966	0.30 5	0.30 5	0.36 5	0.54 6	0.69 7	1.70 14	1.90 13	2.20 10	2.50 5
1967	0.10 2	0.10 2	0.10 1	0.12 2	0.17 2	0.39 2	0.63 2	0.71 2	1.70 3
1968	0.07 1	0.08 1	0.10 2	0.10 1	0.13 1	0.19 1	0.33 1	0.52 1	1.10 2
1969	0.49 10	0.53 11	0.62 13	0.70 10	0.75 9	0.83 6	1.00 6	2.20 11	3.60 11
1970	0.31 6	0.35 6	0.44 8	0.77 13	0.98 14	3.70 16	7.60 18	8.30 17	11.00 16
1971	0.49 11	0.52 10	0.54 10	0.59 7	0.68 6	1.10 9	1.40 9	1.50 6	3.20 8
1972	0.21 4	0.24 4	0.30 4	0.70 11	0.76 10	0.93 7	1.30 7	1.60 7	4.00 12
1973	0.49 12	0.55 12	0.61 12	0.70 12	0.74 8	1.10 10	1.70 12	4.10 15	7.80 15
1974	1.30 18	1.40 18	1.50 18	2.30 19	3.90 19	10.00 20	9.30 20	12.00 20	16.00 18
1975	1.19 16	1.19 16	1.30 16	1.60 17	1.90 16	2.70 15	3.50 15	3.50 14	7.10 14
1976	0.59 14	0.61 14	0.65 14	0.80 14	0.84 12	1.50 13	1.50 10	1.70 9	3.30 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	470.00 16	322.00 11	185.00 11	110.00 13	62.00 15	42.00 17	32.00 19	32.00 17	27.00 17
1957	1760.00 1	709.00 1	331.00 2	165.00 3	111.00 2	82.00 3	85.00 1	70.00 1	55.00 2
1958	1020.00 5	530.00 3	408.00 1	218.00 1	115.00 1	85.00 1	65.00 2	52.00 3	38.00 5
1959	756.00 8	321.00 12	165.00 15	95.00 15	86.00 9	59.00 10	49.00 8	45.00 7	35.00 7
1960	215.00 20	133.00 20	100.00 20	61.00 20	40.00 20	34.00 20	29.00 20	25.00 20	20.00 20
1961	775.00 7	346.00 8	174.00 14	113.00 12	79.00 12	69.00 6	56.00 5	48.00 4	41.00 4
1962	1190.00 3	484.00 6	228.00 7	130.00 10	82.00 10	63.00 8	53.00 7	43.00 8	32.00 12
1963	1100.00 4	508.00 5	247.00 6	141.00 8	98.00 6	67.00 7	48.00 9	37.00 14	25.00 18
1964	1440.00 2	635.00 2	321.00 3	177.00 2	107.00 4	82.00 2	58.00 4	46.00 5	35.00 8
1965	319.00 18	160.00 19	111.00 19	72.00 19	48.00 19	41.00 19	37.00 17	30.00 18	21.00 19
1966	116.00 21	94.00 21	56.00 21	31.00 21	22.00 21	14.00 21	15.00 21	14.00 21	12.00 21
1967	531.00 13	391.00 7	251.00 5	131.00 9	72.00 14	50.00 14	38.00 15	42.00 9	37.00 6
1968	559.00 9	301.00 15	178.00 12	102.00 14	61.00 16	51.00 13	41.00 14	38.00 13	34.00 9
1969	393.00 17	328.00 9	203.00 9	142.00 7	95.00 7	59.00 11	43.00 11	41.00 11	30.00 14
1970	538.00 12	267.00 16	148.00 16	81.00 17	52.00 17	42.00 18	32.00 18	30.00 19	28.00 15
1971	878.00 6	514.00 4	285.00 4	151.00 5	101.00 5	61.00 9	43.00 12	35.00 15	27.00 16
1972	558.00 10	311.00 14	178.00 13	119.00 11	82.00 11	49.00 15	37.00 16	35.00 16	32.00 10
1973	315.00 19	175.00 18	114.00 18	88.00 16	77.00 13	57.00 12	45.00 10	42.00 10	42.00 3
1974	517.00 14	312.00 13	203.00 10	145.00 6	94.00 8	70.00 5	62.00 3	59.00 2	56.00 1
1975	546.00 11	262.00 17	139.00 17	79.00 18	52.00 18	43.00 16	42.00 13	39.00 12	32.00 11
1976	488.00 15	326.00 10	210.00 8	159.00 4	110.00 3	71.00 4	54.00 6	45.00 6	31.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	16.00 7
1958	37.00 20
1959	33.00 19
1960	15.00 6
1961	13.00 5
1962	30.00 17
1963	11.00 3
1964	10.00 2
1965	19.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	17.00 16
1957	31.00 3
1958	32.00 2
1959	20.00 6
1960	13.00 19
1961	22.00 5
1962	18.00 14
1963	14.00 18
1964	18.00 15

## 03350100 HINKLE CREEK NEAR CICERO, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	9.10	1
1967	17.00	8
1968	18.00	9
1969	19.00	12
1970	19.00	13
1971	18.00	10
1972	12.00	4
1973	28.00	16
1974	32.00	18
1975	26.00	15
1976	21.00	14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	12.00	20
1966	6.40	21
1967	19.00	7
1968	19.00	8
1969	18.00	9
1970	18.00	10
1971	16.00	17
1972	18.00	11
1973	29.00	4
1974	36.00	1
1975	18.00	12
1976	18.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1956	10.40	23.20	8.39	4.19	35.40	20.50	13.20	53.00	18.20	19.30	1.77	1.18
1957	0.63	1.10	15.70	23.90	30.50	14.30	97.90	48.20	109.00	20.40	7.34	6.00
1958	12.10	32.30	72.20	16.50	9.27	13.50	8.85	13.70	115.00	22.90	53.80	11.40
1959	6.46	18.00	10.90	50.50	53.10	28.70	45.50	17.30	5.47	4.45	1.04	1.25
1960	2.90	6.59	11.70	17.60	36.90	26.70	14.80	5.36	8.70	22.40	5.31	0.98
1961	0.94	1.90	2.55	4.68	11.00	71.60	64.80	24.90	24.90	45.80	7.58	5.10
1962	3.34	16.80	9.74	78.50	27.90	50.00	8.72	6.20	2.74	6.21	2.56	1.21
1963	5.90	3.11	2.03	2.02	2.37	88.40	41.70	11.90	3.50	2.64	0.94	0.57
1964	0.58	1.06	0.85	2.46	1.82	54.90	106.00	10.50	11.30	25.30	1.63	0.68
1965	0.84	0.68	2.08	10.40	27.30	34.90	46.90	6.42	4.12	3.32	0.91	4.63
1966	1.59	2.21	2.93	9.37	17.80	10.30	12.90	14.90	3.99	1.00	0.39	0.79
1967	0.85	5.71	67.80	20.50	20.70	51.60	26.40	31.20	3.53	1.45	0.31	0.14
1968	0.57	1.09	59.20	22.30	41.20	22.90	28.10	31.50	11.00	1.99	8.99	0.78
1969	1.10	3.43	21.40	71.00	32.20	12.30	34.20	7.22	7.80	18.00	4.50	5.51
1970	27.00	51.50	12.30	20.40	19.10	19.90	45.00	13.80	3.50	1.97	1.62	0.81
1971	3.84	9.89	9.18	6.59	106.00	21.40	5.57	10.30	18.80	2.09	1.76	1.01
1972	1.44	2.65	44.10	26.30	9.08	16.40	80.90	14.40	10.50	2.52	0.94	4.28
1973	14.50	54.70	36.00	27.20	21.20	67.30	44.70	7.95	40.50	5.71	21.60	4.68
1974	16.20	36.60	51.50	79.30	30.10	46.40	43.10	46.70	62.20	5.63	3.58	4.91
1975	1.95	5.87	21.80	30.70	49.30	37.90	37.20	17.40	10.30	1.48	2.37	0.86
1976	2.31	6.03	21.30	32.40	87.80	37.50	5.96	2.87	10.90	8.66	1.29	0.74

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.90	2.05	5.66	7.98	14.40	18.10
FIFTIETH PERCENTILE					
2.31	5.87	12.30	20.50	27.90	28.70
SEVENTY FIFTH PERCENTILE					
8.43	20.60	40.00	31.50	39.00	50.80
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
13.10	7.58	4.05	2.04	0.99	0.79
FIFTIETH PERCENTILE					
37.20	13.80	10.50	5.63	1.77	1.18
SEVENTY FIFTH PERCENTILE					
46.20	28.00	21.80	19.80	6.32	4.79

## WABASH RIVER BASIN

03350500 CICERO CREEK AT NOBLESVILLE, IN

LOCATION.--Lat 40°03'20", long 86°02'30", in NW¼NE¼ sec.35, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on right bank 150 ft downstream from bridge on State Highway 38, 1.0 mi northwest of Noblesville, 1.9 mi downstream from Hinkle Creek, and 3.2 mi upstream from mouth.

DRAINAGE AREA.--216 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1950 to September 1980 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 750.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

REMARKS.--Flow regulated by Morse Reservoir.

AVERAGE DISCHARGE.--30 years, 195 ft<sup>3</sup>/s, 12.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,800 ft<sup>3</sup>/s June 28, 1957, gage height, 15.26 ft; minimum daily, 0.25 ft<sup>3</sup>/s Oct. 21, 1977.

v

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1951						6	8	15	11	6	2	5	7	3	16	23	23	13	26	26	22	29	26	13	14	12	18	5	11	7	9	5	3	1	
1952	4	4	2	5	3	22	12	7	6	4	7	7	4	6	18	9	12	16	16	24	29	34	24	15	13	12	14	10	9	9	4	1	3	1	
1953								11	14	7	14	23	18	2	9	11	9	14	20	22	40	45	26	13	20	12	11	6	6	5	2	2	2	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1096	100.00	12	14.0	32	898	81.93	24	240.0	49	243	22.17
1	1.0	4	1096	100.00	13	18.0	9	866	79.01	25	310.0	37	194	17.70
2	1.3	4	1092	99.64	14	22.0	31	857	78.19	26	390.0	41	157	14.32
3	1.6	2	1088	99.27	15	28.0	52	826	75.36	27	500.0	25	116	10.58
4	2.1	5	1086	99.09	16	36.0	41	774	70.62	28	630.0	27	91	8.30
5	2.6	9	1081	98.63	17	46.0	39	733	66.88	29	800.0	21	64	5.84
6	3.3	30	1072	97.81	18	58.0	62	694	63.32	30	1000.0	20	43	3.92
7	4.2	38	1042	95.07	19	74.0	64	632	57.66	31	1300.0	11	23	2.10
8	5.3	32	1004	91.61	20	93.0	86	568	51.82	32	1600.0	6	12	1.09
9	6.8	19	972	88.69	21	120.0	103	482	43.98	33	2100.0	4	6	0.55
10	8.6	20	953	86.95	22	150.0	86	379	34.58	34	2600.0	2	2	0.18
11	11.0	35	933	85.13	23	190.0	50	293	26.73					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.2  
P90 = 6.1  
P75 = 28.6  
P70 = 37.7  
P50 = 99.3  
P25 = 209.0  
P10 = 531.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1952	2.40 2	2.70 2	3.10 2	3.80 1	4.20 1	4.60 1	7.60 1	14.00 1	46.00 1
1953	1.00 1	1.10 1	1.60 1	3.80 2	7.40 2	9.30 2	31.00 2	26.00 2	54.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1951	2450.00 3	1950.00 2	1440.00 1	1090.00 2	678.00 2	523.00 2	475.00 2	436.00 2	371.00 2
1952	3060.00 1	2230.00 1	1300.00 2	1190.00 1	773.00 1	627.00 1	554.00 1	504.00 1	419.00 1
1953	2640.00 2	1880.00 3	1110.00 3	763.00 3	566.00 3	383.00 3	348.00 3	299.00 3	267.00 3



## 03350500 CICERO CREEK AT NOBLESVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	214.00	2
1953	174.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1951	216.00	2
1952	236.00	1
1953	166.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	36.50	258.00	381.00	396.00	642.00	228.00	294.00	168.00	43.00	164.00	9.13	4.96
1952	10.20	47.00	266.00	558.00	450.00	554.00	374.00	300.00	138.00	57.60	7.92	72.80
1953	13.50	49.30	148.00	219.00	154.00	546.00	180.00	297.00	85.90	214.00	65.60	6.34

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1958									1				3	5	3	8	10	17	25	56	53	40	37	15	19	17	14	11	11	6	5	3	3	3		
1959					4	16					10	4	8	5	6	17	21	16	22	24	16	24	31	21	33	22	12	7	8	4	4	3	1			
1960					1	6	5	5	5	6	4	11	9	11	12	13	22	28	49	47	43	19	20	15	9	8	5	6	6	1						
1961						1	38	22	13	11	13	11	24	11	15	16	21	13	18	17	23	15	11	14	7	13	12	10	10	3	3					
1962						27	30	15	6	4	5	5	8	11	12	22	36	25	22	38	25	28	11	9	6	5	5	5	2		2				1	
1963						17	14	11	6	5	6	16	30	30	33	45	38	23	19	7	10	11	8	9	7	9	5	2	1	1			2			
1964						2	1	13	93	19	5	5	3	5	7	34	7	30	19	13	16	13	15	12	12	11	5	6	6	8		3		2	1	
1965						3	26	35	32	12	3	14	9	6	24	19	24	10	17	11	13	23	22	19	10	7	7	5	8	4	2					
1966						1	9	18	3	6	2	4	8	6	21	22	37	44	29	42	43	23	14	16	7	5	1	2	2							
1967						4	18	42	8	8	3	4	5	4	10	18	27	24	21	14	22	35	14	16	12	13	12	13	6	6	3	1			2	
1968						19	7	13	32	13	7	4	9	5	9	15	14	21	21	31	20	24	13	17	15	14	14	6	8	5	6		2	2		
1969						1	20	11	17	9	5	3	3	4	7	12	14	16	23	22	34	52	40	20	14	13	5	7	2	6	2	1		2		
1970										8	13	10	2	7	3	19	16	31	23	22	29	45	37	26	22	15	13	6	6	5	5	2				
1971							1	9	10	8	12	13	8	10	17	20	21	17	40	29	50	27	21	14	15	8	5	3	3	3	1					
1972						3	5	17	25	9	8	5	10	7	13	17	10	9	26	34	49	25	23	19	15	14	7	8	2	3	1		2			
1973							4	1	6	4	7	4	10	11	9	6	32	24	37	34	29	42	24	29	20	10	14	4	4							
1974							1	10	5	7	5	11	5	10	11	15	9	16	17	40	39	32	33	21	16	13	15	12	13	4	5					
1975							3	5	7	12	14	17	17	19	18	10	20	12	14	31	37	28	31	24	20	10	4	5	5	1	1					
1976						2	3	12	16	11	12	1	11	13	13	21	18	21	18	21	30	38	29	21	15	9	6	8	5	7	2	1	1	1		
1977	1					39	55	18	66	6	2	4	2	4	8	19	11	13	12	26	11	18	14	11	11	7	2	3	2							
1978							3			1	2	3	5	6	11	12	31	49	29	28	22	32	31	18	16	18	13	5	8	5	9	4	4			
1979							1	8	1	9	11	8	10	10	9	10	22	26	20	27	37	34	20	14	26	16	17	8	7	5	4	2	3			
1980										2	1	4	5	6	13	14	12	9	27	34	39	43	34	33	20	18	20	14	8	7	1		2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	8401	100.00	12	6.9	157	7020	83.56	24	250.0	419	1621	19.30
1	0.25	1	8401	100.00	13	9.3	193	6863	81.69	25	340.0	318	1202	14.31
2	0.34	0	8400	99.99	14	13.0	247	6670	79.40	26	460.0	262	884	10.52
3	0.46	0	8400	99.99	15	17.0	377	6423	76.46	27	630.0	187	622	7.40
4	0.62	0	8400	99.99	16	23.0	415	6046	71.97	28	840.0	153	435	5.18
5	0.83	72	8400	99.99	17	31.0	502	5631	67.03	29	1100.0	127	282	3.36
6	1.1	150	8328	99.13	18	42.0	482	5129	61.05	30	1500.0	78	155	1.85
7	1.5	270	8178	97.35	19	56.0	612	4647	55.31	31	2100.0	35	77	0.92
8	2.1	386	7908	94.13	20	76.0	608	4035	48.03	32	2800.0	28	42	0.50
9	2.8	228	7522	89.54	21	100.0	762	3427	40.79	33	3800.0	12	14	0.17
10	3.8	135	7294	86.82	22	140.0	582	2665	31.72	34	5100.0	2	2	0.02
11	5.1	139	7159	85.22	23	190.0	462	2083	24.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.9  
 P90 = 2.7  
 P75 = 18.9  
 P70 = 26.2  
 P50 = 70.6  
 P25 = 189.0  
 P10 = 489.0

## 03350500 CICERO CREEK AT NOBLESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1959	5.40 22	7.30 22	12.00 22	20.00 22	32.00 22	46.00 20	57.00 19	126.00 21	160.00 22
1960	1.80 16	2.00 16	2.20 14	2.70 12	3.50 9	4.60 7	8.00 5	14.00 6	31.00 9
1961	1.00 7	1.10 7	1.50 8	1.80 7	2.10 6	3.00 4	3.60 3	5.50 3	16.00 4
1962	1.19 8	1.60 11	1.70 11	2.10 10	5.00 11	27.00 17	45.00 15	54.00 16	74.00 15
1963	1.60 13	1.60 12	2.20 15	3.70 16	9.70 16	11.00 12	22.00 13	24.00 13	26.00 6
1964	1.60 14	1.90 15	2.00 12	2.00 8	2.20 7	3.30 5	7.40 4	6.20 4	15.00 3
1965	0.90 4	1.00 4	1.19 4	1.50 5	1.50 5	1.80 2	3.40 2	3.90 2	11.00 2
1966	1.30 11	1.30 9	1.40 7	2.30 11	4.00 10	20.00 16	20.00 12	23.00 11	28.00 7
1967	1.00 5	1.10 5	1.19 5	1.30 4	1.40 4	7.40 9	9.00 6	16.00 8	32.00 10
1968	0.83 2	0.87 1	0.92 1	0.96 1	1.10 2	3.70 6	10.00 7	14.00 7	18.00 5
1969	0.88 3	1.10 6	1.40 6	1.80 6	2.50 8	3.00 3	11.00 8	18.00 9	33.00 11
1970	1.19 9	1.19 8	1.60 9	2.10 9	6.20 13	57.00 21	74.00 22	68.00 19	117.00 18
1971	2.10 18	3.70 21	4.70 20	8.70 20	12.00 19	32.00 18	49.00 16	48.00 15	77.00 16
1972	1.30 10	1.60 10	2.20 13	3.10 13	7.00 14	9.10 10	12.00 9	12.00 5	31.00 8
1973	1.80 17	2.40 17	2.80 17	3.30 15	5.80 12	15.00 13	53.00 18	67.00 18	120.00 19
1974	3.40 21	3.50 20	6.40 21	14.00 21	25.00 21	67.00 22	70.00 20	117.00 20	139.00 20
1975	2.70 20	3.00 19	3.30 18	5.40 17	9.80 17	18.00 15	19.00 11	24.00 12	72.00 14
1976	1.60 15	1.70 13	1.70 10	5.80 18	10.00 18	16.00 14	28.00 14	33.00 14	60.00 13
1977	0.25 1	0.97 2	1.00 2	1.00 2	1.10 3	1.30 1	1.70 1	1.90 1	4.40 1
1978	1.00 6	1.00 3	1.00 3	1.00 3	1.00 1	6.80 8	18.00 10	18.00 10	35.00 12
1979	1.40 12	1.70 14	2.30 16	3.20 14	8.00 15	11.00 11	50.00 17	58.00 17	112.00 17
1980	2.60 19	2.90 18	4.20 19	6.70 19	15.00 20	37.00 19	70.00 21	129.00 22	140.00 21

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	4440.00 5	3890.00 2	3540.00 1	1970.00 2	1060.00 3	766.00 4	577.00 5	460.00 6	355.00 9
1959	2960.00 13	2450.00 14	1560.00 15	918.00 17	861.00 8	603.00 11	504.00 7	476.00 4	383.00 6
1960	1560.00 21	1430.00 21	1060.00 20	615.00 21	410.00 21	334.00 21	293.00 21	267.00 21	215.00 21
1961	2490.00 17	1970.00 17	1610.00 14	1150.00 12	804.00 11	711.00 5	579.00 4	496.00 3	368.00 7
1962	5140.00 2	3760.00 3	2000.00 9	1060.00 13	705.00 14	606.00 10	500.00 8	394.00 13	284.00 15
1963	4960.00 3	3710.00 5	2160.00 7	1360.00 7	965.00 6	609.00 9	437.00 14	337.00 17	239.00 18
1964	5780.00 1	4880.00 1	2810.00 2	1660.00 4	1080.00 2	843.00 1	595.00 2	465.00 5	338.00 11
1965	1940.00 20	1510.00 20	1060.00 21	773.00 20	529.00 20	459.00 19	400.00 15	328.00 18	227.00 20
1966	1050.00 22	742.00 22	470.00 23	273.00 23	207.00 23	150.00 23	133.00 23	130.00 23	121.00 22
1967	4420.00 6	3750.00 4	2280.00 4	1250.00 9	679.00 16	503.00 15	383.00 18	432.00 10	363.00 8
1968	4780.00 4	3260.00 6	2210.00 6	1330.00 8	760.00 13	677.00 6	508.00 6	458.00 7	386.00 5
1969	3530.00 8	3120.00 7	2000.00 8	1210.00 10	825.00 10	536.00 13	393.00 16	367.00 15	276.00 17
1970	2420.00 18	2060.00 16	1370.00 18	895.00 18	567.00 18	444.00 20	330.00 20	307.00 19	284.00 16
1971	2190.00 19	1690.00 19	1400.00 16	954.00 16	681.00 15	463.00 18	333.00 19	281.00 20	237.00 19
1972	2850.00 14	2780.00 11	1880.00 10	1160.00 11	833.00 9	501.00 16	384.00 17	339.00 16	313.00 13
1973	2500.00 16	1850.00 18	1130.00 19	977.00 15	796.00 12	591.00 12	480.00 10	452.00 8	472.00 2
1974	3190.00 12	2830.00 9	2220.00 5	1700.00 3	1030.00 5	814.00 2	728.00 1	655.00 1	599.00 1
1975	2800.00 15	2300.00 15	1390.00 17	820.00 19	556.00 19	473.00 17	452.00 12	438.00 9	389.00 4
1976	3800.00 7	2610.00 13	1870.00 11	1510.00 5	1040.00 4	621.00 8	486.00 9	415.00 12	293.00 14
1977	939.00 23	725.00 23	599.00 22	432.00 22	312.00 22	245.00 22	214.00 22	170.00 22	121.00 23
1978	3280.00 11	2910.00 8	2690.00 3	2060.00 1	1300.00 1	767.00 3	585.00 3	512.00 2	400.00 3
1979	3510.00 9	2780.00 10	1850.00 12	1450.00 6	901.00 7	644.00 7	459.00 11	377.00 14	352.00 10
1980	3430.00 10	2680.00 12	1730.00 13	1020.00 14	669.00 17	504.00 14	451.00 13	428.00 11	336.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1959	309.00 20
1960	154.00 7
1961	133.00 6
1962	257.00 18
1963	115.00 5
1964	101.00 2
1965	179.00 10
1966	106.00 3
1967	175.00 9
1968	198.00 14
1969	173.00 8
1970	190.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	305.00 3
1959	212.00 8
1960	147.00 19
1961	192.00 11
1962	168.00 17
1963	135.00 20
1964	176.00 15
1965	122.00 21
1966	76.00 22
1967	191.00 12
1968	208.00 9
1969	173.00 16

## 03350500 CICERO CREEK AT NOBLESVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	194.00 12
1972	110.00 4
1973	327.00 21
1974	338.00 22
1975	271.00 19
1976	231.00 17
1977	63.00 1
1978	195.00 13
1979	221.00 15
1980	223.00 16

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	202.00 10
1971	148.00 18
1972	189.00 13
1973	317.00 2
1974	374.00 1
1975	222.00 7
1976	177.00 14
1977	62.00 23
1978	258.00 4
1979	224.00 6
1980	235.00 5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	143.00	324.00	815.00	156.00	82.10	163.00	86.90	108.00	1052.0	303.00	356.00	54.10
1959	50.30	283.00	116.00	430.00	604.00	298.00	465.00	248.00	55.40	19.30	3.82	6.22
1960	30.30	79.50	144.00	204.00	361.00	244.00	184.00	80.10	101.00	265.00	68.70	7.66
1961	3.46	4.16	10.20	29.40	79.80	753.00	659.00	265.00	247.00	175.00	51.70	23.70
1962	82.40	106.00	7.05	664.00	276.00	524.00	89.40	65.30	44.20	121.00	16.70	10.70
1963	60.80	31.00	16.00	22.00	28.20	857.00	317.00	105.00	25.80	88.60	14.40	41.00
1964	30.60	2.92	8.16	11.00	2.54	556.00	1066.0	138.00	76.10	188.00	6.25	32.90
1965	8.56	2.34	1.59	15.20	252.00	384.00	529.00	102.00	77.70	32.60	39.60	34.80
1966	18.60	26.00	28.30	140.00	161.00	98.00	99.50	160.00	64.70	52.90	43.30	25.40
1967	10.20	4.62	642.00	205.00	230.00	546.00	242.00	301.00	46.30	9.10	23.20	24.90
1968	6.52	1.18	683.00	285.00	541.00	221.00	259.00	293.00	153.00	20.00	37.30	2.60
1969	26.40	16.70	223.00	576.00	360.00	114.00	285.00	107.00	59.20	134.00	36.60	152.00
1970	341.00	492.00	127.00	140.00	194.00	220.00	511.00	206.00	34.80	49.10	96.50	25.00
1971	127.00	165.00	125.00	80.20	618.00	324.00	67.90	124.00	143.00	16.40	7.05	20.40
1972	11.10	12.80	398.00	243.00	86.80	178.00	824.00	140.00	104.00	128.00	6.69	140.00
1973	210.00	675.00	409.00	344.00	253.00	691.00	462.00	99.10	300.00	42.50	284.00	31.90
1974	106.00	399.00	611.00	939.00	370.00	410.00	499.00	520.00	505.00	79.90	17.40	29.10
1975	12.20	41.80	253.00	403.00	551.00	365.00	431.00	333.00	182.00	27.30	62.30	32.40
1976	19.10	40.50	267.00	189.00	865.00	353.00	71.70	24.50	174.00	131.00	8.73	12.00
1977	5.21	2.50	2.11	1.13	44.80	272.00	198.00	141.00	21.00	35.80	14.40	1.05
1978	93.90	44.30	552.00	92.60	34.20	1076.0	382.00	240.00	107.00	257.00	147.00	35.20
1979	10.10	117.00	208.00	157.00	301.00	695.00	345.00	66.50	27.50	518.00	216.00	18.50
1980	59.60	301.00	248.00	143.00	150.00	577.00	349.00	119.00	578.00	35.30	227.00	43.70

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

10.20	4.62	16.00	80.20	82.10	221.00
-------	------	-------	-------	-------	--------

## FIFTIETH PERCENTILE

30.30	41.80	208.00	157.00	252.00	365.00
-------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

93.90	283.00	409.00	344.00	370.00	577.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

184.00	102.00	46.30	32.60	14.40	12.00
--------	--------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

345.00	138.00	101.00	79.90	37.30	25.40
--------	--------	--------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

499.00	248.00	182.00	175.00	96.50	35.20
--------	--------	--------	--------	-------	-------

03350700 STONY CREEK NEAR NOBLESVILLE, IN

LOCATION.--Lat 40°01'44", long 85°59'42", in NE¼NE¼ sec.7, T.18 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of county road bridge, 1.4 mi upstream from mouth, and 1.4 mi southeast of Noblesville.

DRAINAGE AREA.--50.8 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1967 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 749.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

AVERAGE DISCHARGE.--18 years, 47.6 ft<sup>3</sup>/s, 12.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,640 ft<sup>3</sup>/s Feb. 23, 1979; maximum gage height, 7.60 ft Jan. 30, 1982; minimum daily discharge, 2.3 ft<sup>3</sup>/s Aug. 4, 5, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1968					5	13	38	31	12	10	16	51	39	22	10	14	18	21	15	12	6	10	6	4	1	3	1	4	2				2		
1969					8	28	27	14	35	24	27	23	29	37	16	20	14	12	12	10	5	8	6	2	1	3				3			1		
1970					4	31	26	18	20	27	8	23	16	34	32	31	30	13	12	14	7	3	6	3	4	2				1					
1971					5	38	41	58	30	18	27	22	19	17	16	9	18	9	9	7	5	5	2	2	1	1	1	1	3	1					
1972					1	52	24	19	13	17	23	20	24	26	27	27	25	8	13	10	2	10	5	4	5	5	5	1	1	3			1		
1973						12	27	27	21	14	13	29	24	18	20	16	27	21	14	15	18	19	14	5	5	4	2	1	1	3					
1974						9	22	16	16	27	13	14	7	13	15	35	35	30	23	19	13	10	12	11	6	10	3		2	2	1			1	
1975					1	13	43	25	31	14	18	10	13	10	19	19	20	31	22	20	19	14	3	7	4	3	1	3			1				1
1976						19	21	24	30	13	14	20	45	28	20	16	12	8	15	18	10	9	11	7	5	6	4	1	2	3	2	2			1
1977	13	15	49	35	35	67	21	17	8	14	17	9	6	6	6	6	4	5	12	3	5	2	6		2	2									
1978					3	24	16		16	42	36	41	22	18	22	11	16	12	14	12	9	9	5	8	6	6	8	2	2	1	2	1	1		
1979									2	25	29	33	38	28	45	25	20	21	21	14	12	14	5	4	7	6	4	3	3	1	1	1	2	1	
1980						4	13	12	34	18	36	22	40	24	32	22	16	17	19	15	10	11	10	4	5				1		1				
1981						1	62	58	27	44	22	18	14	17	15	9	13	11	12	13	12	4	3	3	3	2				1	1				
1982						4	31	16	19	18	42	28	26	17	22	11	13	18	5	9	9	19	11	10	10	6	6	6	4	4	1				
1983					3	25	19	29	30	20	7	7	17	30	25	30	22	22	18	12	6	9	15	4	6	1	3	3	2						
1984					2	13	6	8	26	20	22	25	37	22	19	13	22	13	16	10	12	13	12	14	5	13	8	7	3		4		1		
1985						2	23	34	7	21	18	19	11	15	29	16	31	19	23	13	16	10	10	10	8	10	6	2	4	3		3		1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6575	100.00	12	18.0	434	3698	56.24	24	170.0	107	348	5.29
1	2.3	13	6575	100.00	13	22.0	351	3264	49.64	25	210.0	70	241	3.67
2	2.8	20	6562	99.80	14	26.0	427	2913	44.30	26	250.0	60	171	2.60
3	3.4	89	6542	99.50	15	32.0	325	2486	37.81	27	300.0	29	111	1.69
4	4.0	109	6453	98.14	16	38.0	340	2161	32.87	28	360.0	25	82	1.25
5	4.9	246	6344	96.49	17	46.0	307	1821	27.70	29	440.0	22	57	0.87
6	5.9	379	6098	92.75	18	56.0	273	1514	23.03	30	530.0	18	35	0.53
7	7.1	438	5719	86.98	19	67.0	238	1241	18.87	31	640.0	6	17	0.26
8	8.6	378	5281	80.32	20	81.0	208	1003	15.25	32	770.0	7	11	0.17
9	10.0	335	4903	74.57	21	98.0	193	795	12.09	33	930.0	2	4	0.06
10	12.0	472	4568	69.48	22	120.0	119	602	9.16	34	1100.0	2	2	0.03
11	15.0	398	4096	62.30	23	140.0	135	483	7.35					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.3  
P90 = 6.5  
P75 = 9.9  
P70 = 11.8  
P50 = 21.8  
P25 = 51.8  
P10 = 114.0

## 03350700 STONY CREEK NEAR NOBLESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	6.00 9	6.40 10	6.50 10	6.80 10	7.10 9	7.60 7	8.50 8	13.00 10	18.00 10
1970	8.30 16	8.40 16	8.50 14	9.30 14	10.00 13	19.00 17	27.00 17	28.00 15	34.00 15
1971	5.50 7	5.70 8	5.90 8	6.20 7	6.50 6	7.70 8	8.20 6	8.50 6	9.50 3
1972	4.70 5	4.80 4	4.90 4	4.90 4	5.20 4	5.50 4	5.80 4	5.80 4	11.00 4
1973	6.00 10	6.10 9	6.40 9	6.90 11	7.60 11	9.70 12	12.00 12	13.00 11	18.00 11
1974	7.50 15	7.70 14	8.20 13	9.10 13	10.00 14	15.00 13	16.00 13	27.00 14	34.00 16
1975	6.40 11	6.50 11	6.60 11	6.70 9	7.10 10	7.90 9	9.10 10	11.00 9	20.00 12
1976	4.60 4	5.00 5	5.40 5	6.00 6	6.50 7	7.10 6	8.30 7	9.00 8	12.00 5
1977	3.80 3	3.80 3	3.80 3	3.80 3	3.80 3	4.50 3	5.10 3	5.70 3	5.80 1
1978	2.30 1	2.40 1	2.50 1	2.60 1	2.80 1	4.10 1	4.30 1	5.00 1	7.00 2
1979	6.80 12	7.70 15	9.40 16	11.00 16	14.00 17	15.00 14	23.00 15	31.00 16	33.00 14
1980	9.70 17	9.90 17	10.00 17	11.00 17	13.00 16	17.00 15	25.00 16	36.00 17	41.00 17
1981	7.00 13	7.30 12	7.60 12	7.90 12	8.10 12	8.40 10	8.90 9	8.80 7	14.00 7
1982	7.30 14	7.60 13	8.80 15	10.00 15	12.00 15	17.00 16	16.00 14	24.00 13	24.00 13
1983	5.20 6	5.30 6	5.40 6	5.60 5	5.90 5	6.10 5	6.50 5	7.10 5	14.00 8
1984	3.10 2	3.30 2	3.50 2	3.60 2	3.70 2	4.20 2	5.10 2	5.50 2	12.00 6
1985	5.60 8	5.60 7	5.80 7	6.60 8	7.00 8	9.10 11	12.00 11	14.00 12	17.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	838.00 6	505.00 7	381.00 7	241.00 9	139.00 14	97.00 15	87.00 12	84.00 12	80.00 9
1969	808.00 7	650.00 5	396.00 5	268.00 7	197.00 6	126.00 9	93.00 10	90.00 10	71.00 12
1970	513.00 16	308.00 16	204.00 16	133.00 16	95.00 16	73.00 17	75.00 15	67.00 15	59.00 14
1971	610.00 12	427.00 14	328.00 10	210.00 13	154.00 12	100.00 14	71.00 16	62.00 16	49.00 17
1972	665.00 10	466.00 11	320.00 11	229.00 10	163.00 10	102.00 12	81.00 13	73.00 13	66.00 13
1973	586.00 14	410.00 15	279.00 15	215.00 12	165.00 9	128.00 8	103.00 9	94.00 9	100.00 3
1974	941.00 4	504.00 8	309.00 13	243.00 8	168.00 8	138.00 6	128.00 2	124.00 2	116.00 1
1975	1120.00 2	651.00 4	354.00 9	217.00 11	149.00 13	118.00 10	106.00 8	102.00 3	83.00 6
1976	1150.00 1	628.00 6	389.00 6	304.00 3	233.00 3	152.00 5	116.00 6	98.00 6	77.00 10
1977	272.00 18	211.00 18	166.00 18	128.00 17	89.00 17	75.00 16	61.00 17	49.00 18	34.00 18
1978	794.00 8	681.00 2	486.00 1	382.00 1	251.00 2	161.00 2	126.00 3	102.00 4	83.00 7
1979	1080.00 3	699.00 1	412.00 3	336.00 2	204.00 5	153.00 4	112.00 7	95.00 7	94.00 4
1980	737.00 9	493.00 10	305.00 14	184.00 15	123.00 15	101.00 13	92.00 11	89.00 11	76.00 11
1981	598.00 13	459.00 12	314.00 12	205.00 14	154.00 11	107.00 11	79.00 14	68.00 14	55.00 15
1982	566.00 15	494.00 9	412.00 4	300.00 4	265.00 1	203.00 1	167.00 1	146.00 1	107.00 2
1983	297.00 17	238.00 17	193.00 17	122.00 18	88.00 18	70.00 18	56.00 18	51.00 17	51.00 16
1984	632.00 11	441.00 13	371.00 8	272.00 6	181.00 7	135.00 7	117.00 5	95.00 8	82.00 8
1985	847.00 5	675.00 3	438.00 2	290.00 5	207.00 4	156.00 3	120.00 4	99.00 5	83.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	51.00 11
1970	47.00 8
1971	34.00 4
1972	27.00 2
1973	63.00 14
1974	65.00 16
1975	64.00 15
1976	50.00 9
1977	25.00 1
1978	36.00 6
1979	57.00 12
1980	61.00 13
1981	34.00 5
1982	73.00 17
1983	31.00 3
1984	47.00 7
1985	50.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	50.00 8
1969	48.00 9
1970	41.00 13
1971	29.00 17
1972	39.00 14
1973	67.00 2
1974	72.00 1
1975	48.00 10
1976	48.00 11
1977	20.00 18
1978	54.00 6
1979	63.00 3
1980	56.00 5
1981	35.00 15
1982	61.00 4
1983	30.00 16
1984	48.00 12
1985	50.00 7

## WABASH RIVER BASIN

03350700 STONY CREEK NEAR NOBLESVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	*	*	*	*	*	*	*	*	*	6.89	4.52	4.69
1968	8.83	9.79	89.80	54.10	96.60	50.40	73.00	111.00	46.00	19.50	28.90	7.68
1969	7.70	20.50	47.00	140.00	89.70	26.90	85.60	41.00	26.30	39.10	25.30	24.90
1970	53.60	66.50	36.10	46.50	67.60	51.40	81.50	37.30	20.40	12.00	10.90	6.65
1971	8.85	9.06	10.60	12.50	155.00	50.40	16.90	32.00	38.70	12.10	5.31	6.85
1972	5.44	5.54	76.60	56.40	20.00	44.60	161.00	36.20	19.70	16.10	10.40	13.90
1973	12.60	152.00	80.40	65.70	52.20	135.00	116.00	27.20	62.20	15.40	74.30	10.20
1974	20.50	45.20	101.00	145.00	77.70	87.90	120.00	75.80	142.00	30.00	11.40	8.85
1975	7.24	16.70	48.70	90.70	148.00	81.40	91.00	43.00	24.30	10.80	11.00	6.46
1976	9.32	13.90	45.00	59.60	181.00	107.00	21.90	17.80	58.40	55.00	7.73	5.13
1977	7.58	6.55	5.84	3.87	32.10	83.20	46.30	29.60	7.20	3.25	5.35	4.50
1978	13.80	7.73	78.80	18.30	11.00	203.00	99.30	63.20	17.50	34.20	68.70	25.90
1979	15.20	34.40	51.50	48.50	104.00	130.00	97.70	25.80	26.60	128.00	80.50	17.10
1980	17.70	65.70	71.90	44.00	41.90	110.00	75.80	39.10	107.00	23.80	63.00	10.50
1981	8.56	8.61	9.77	8.69	40.90	17.60	45.40	146.00	41.00	31.20	28.80	35.40
1982	18.10	16.10	39.90	98.50	176.00	201.00	89.10	30.60	35.20	23.90	8.17	6.42
1983	5.86	9.76	70.40	29.60	37.50	25.90	68.00	71.30	23.80	10.20	4.98	3.74
1984	6.96	30.40	91.60	12.80	83.30	156.00	108.00	29.40	17.00	20.50	10.90	12.70
1985	11.80	55.00	51.20	48.90	123.00	123.00	91.10	51.00	28.40	7.01	5.39	5.78

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
7.49	8.95	38.90	16.89	40.00	48.90
FIFTIETH PERCENTILE					
9.08	16.39	51.30	48.70	80.50	85.50
SEVENTY FIFTH PERCENTILE					
15.80	47.60	79.20	71.90	129.00	131.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
62.60	29.50	20.19	10.80	5.39	5.78
FIFTIETH PERCENTILE					
87.30	38.20	27.50	19.50	10.90	7.68
SEVENTY FIFTH PERCENTILE					
101.00	65.20	49.10	31.20	28.90	13.90

## 03351000 WHITE RIVER NEAR NORA, IN

LOCATION.--Lat 39°54'35", long 86°06'20", in NW¼NW¼ sec.20, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, on downstream side of center pier of bridge on 82nd Street, 2 mi east of Nora, 14 mi upstream from Fall Creek, and at mile 247.9.

DRAINAGE AREA.--1,219 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1929 to September 1985. Prior to April 1930, monthly discharge only, published in WSP 1305. Prior to October 1948, published as West Fork White River near Nora.

GAGE.--Water-stage recorder. Datum of gage is 710.94 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 26, 1929 to July 29, 1942, at site 200 ft downstream at same datum. Supplemental water-stage recorder 4.5 mi downstream.

REMARKS.--Flow slightly regulated by Morse Reservoir.

AVERAGE DISCHARGE.--56 years, 1,100 ft<sup>3</sup>/s, 12.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,400 ft<sup>3</sup>/s May 19, 1943; maximum gage height, 18.65 ft Apr. 23, 1964; minimum daily discharge, 49 ft<sup>3</sup>/s Sept. 17, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 22.4 ft, from floodmark, determined by Indiana Department of Highways, discharge, 58,500 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1930					1	9	33	40	13	10	19	33	17	14	11	27	26	21	25	11	10	10	3	5	4	3	3	4	4	2	3	3	1			
1931					9	30	91	50	41	27	24	13	20	16	11	10	11	7	1	2		2														
1932					13	14	26	27	14	19	22	23	14	17	32	26	31	14	21	10	8	8	8	6	4	3	3	1	2							
1933					2	15	36	29	16	22	19	12	19	25	28	22	21	6	20	22	10	12	5	4	8	3	1	2	2	1	3					
1934		3	7	10	24	19	20	27	67	60	33	30	17	11	13	7	4	2	3	1	2		2	2	1											
1935					14	45	33	40	25	23	16	17	26	29	18	14	12	16	7	7	4	6	2	1	2	3		3	1	1						
1936		1	3	32	47	25	33	36	21	33	11	15	17	15	13	16	14	8	6	2	4	2	3	3	1	2		1	2							
1937					3	10	23	37	21	24	17	15	20	29	25	21	26	16	16	13	7	5	13	7	8	3	3						1	1	1	
1938					6	15	36	21	29	27	26	32	27	24	16	12	14	12	11	13	11	5	5	5	6	3	3	2	3	1						
1939					18	4	21	27	40	23	21	23	30	23	23	20	17	10	10	7	8	8	2	8	5	5	5	1	1	1	2	2				
1940					16	17	25	42	37	47	29	10	9	21	29	13	11	11	14	4	9	7	5	2	1	2	1	1	1	2						
1941		13	12	23	44	23	55	55	51	27	20	17	7	3	2	1	2	1	3	2	1	2	1													
1942			2	1	16	3	30	48	26	38	21	21	26	15	17	19	23	10	6	6	4	5	8	2	2	6	6	3	1							
1943					16	24	2	23	11	27	34	33	38	23	23	23	24	12	11	11	3	3	3	3	6	6	2	4		1	3			2	1	
1944					9	33	19	70	59	22	15	14	11	6	7	12	11	17	18	8	9	3	4	3	6	2	2	2		2		1	1			
1945					20	51	48	15	9	12	11	22	17	16	9	28	25	18	10	10	8	7	7	3	5	5	1	4	4							
1946					1	7	20	6	16	9	10	30	26	35	34	24	28	21	16	11	18	19	8	11	3	6	6									
1947					5	8	5	16	42	24	18	38	22	20	21	13	13	14	24	15	22	12	4	4	5	4	3	1								
1948					1	16	23	19	34	38	45	25	21	18	7	25	12	13	7	12	9	6	7	5	2	3	4	7	3	4						
1949					1	13	24	22	23	14	19	25	19	18	19	42	26	27	7	14	9	7	6	5	8	7	2	5	2	1						
1950						7	30	29	25	21	14	21	14	21	19	23	21	17	21	15	18	21	14	9	7	4	1	8	5	4	6	3	2			
1951					37	9	11	8	20	26	26	10	29	25	25	21	25	12	15	16	9	11	11	8	4	4	2					1				
1952					19	34	15	16	22	16	10	14	16	15	20	33	25	19	15	16	13	12	12	8	7	3	2	1	3							
1953					3	21	12	37	22	8	18	25	31	37	35	31	19	15	12	10	8	6	3	5	1	3	1	2								
1954		1	19	10	37	63	43	31	28	24	16	24	11	13	11	10	7	5	5	4	2	1														
1955			2	7	12	12	14	29	53	22	32	20	21	15	20	14	22	20	8	14	10	8	3	4			1	2								
1956					5	15	6	3	24	26	19	44	24	28	24	23	27	32	12	17	6	10	7	1	4	3	3	2	1							
1957					4	22	30	15	10	17	24	17	8	24	27	23	19	17	14	9	16	10	12	13	7	10	4	4	3	2	1			2		1
1958						9	12	20	30	36	39	51	44	25	14	25	14	12	16	14	8	9	7	4	1	2	2	3	1	3	2	1				
1959					1	19	23	17	15	32	40	21	19	9	11	23	19	28	19	18	18	6	7	3	7	2	3	3	2							
1960					1	24	9	23	23	26	23	37	40	41	29	24	15	9	9	6	6	5	7	3	4	1	1									
1961					2	96	29	18	16	25	19	17	14	18	12	12	8	12	5	12	6	9	7	6	12	2	3	3	2							
1962						21	32	24	46	33	29	31	30	20	23	13	15	8	4	9	4	9	4	3	3	1	1						1	1		
1963					1	28	53	84	40	25	23	20	21	10	3	6	4	9	8	4	5	5	6	4	2	1						2	1			
1964					1	24	77	67	29	11	13	28	14	5	7	11	12	12	11	5	3	4	4	4	7	5	2	3	2	1		1	1	1	1	
1965					2	24	52	31	41	36	16	19	17	13	12	9	15	18	15	6	8	4	3	5	7	8	2	2								
1966					6	37	36	66	46	34	31	22	24	12	14	14	8	3	3	3	2	1	2	1												
1967					6	10	53	44	18	15	15	19	20	14	23	17	17	11	17	8	9	13	9	6	9	5	3		1	1	2					
1968					3	7	31	26	24	15	33	36	28	22	19	24	11	18	14	9	11	9	5	3	3	8	3	2	2							
1969						11	19	25	21	22	36	27	35	41	35	21	15	7	12	7	9	7	3	1	6	2	1	1	1							
1970						6	25	15	14	48	27	29	26	28	38	19	25	16	12	5	8	5	10	2	3	4										
1971					8	15	39	31	30	53	45	27	30	17	17	10	11	8	4	4	5		3	1	4	1	2									
1972						23	46	28	19	10	25	29	32	26	21	15	12	11	13	7	3	5	6	1	1	2	2									
1973							12	12	19	20	13	36	30	33	19	27	31	24	19	22	13	10	9	8	6	2										
1974							11	32	30	22	18	17	17	22	35	20	24	21	19	21	6	10	11	8	7	6	4	4								
1975							38	44	37	18	11	7	13	17	36	19	27	24	24	15	10	7	6	4	3	2						2	1			

## 03351000 WHITE RIVER NEAR NORA, IN--Continued

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976	17	43	41	27	34	30	36	20	15	16	15	17	9	14	6	3	5	4	5	1	4	3	1
1977	18	79	77	38	21	18	19	18	12	12	11	6	8	10	5	5	1	6	1				
1978				13	25	52	46	34	21	27	16	14	13	16	15	16	12	9	7	4	5	6	2
1979				7	26	23	18	38	34	39	33	24	14	21	16	13	13	7	6	8	9	7	3
1980						18	24	38	30	47	31	38	18	23	17	21	13	12	13	6	11	1	2
1981					19	76	57	34	21	18	17	18	10	18	9	20	11	10	3	3	2	2	
1982		4	18	10	24	47	28	19	20	33	19	23	12	10	9	17	13	21	6	6	8	3	6
1983		38	58	20	17	7	19	29	36	33	28	24	5	8	10	9	11	2	2	3	4	2	
1984		7	10	32	35	31	25	26	19	18	23	27	16	20	15	12	10	11	6	7	7	4	3
1985		3	12	37	28	30	12	28	20	45	23	25	15	19	14	8	7	10	3	9	5	3	5

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20454	100.00	12	410.0	1330	11306	55.28	24	4100.0	273	1058	5.17
1	49.0	17	20454	100.00	13	500.0	1146	9976	48.77	25	5000.0	244	785	3.84
2	59.0	41	20437	99.92	14	600.0	1246	8830	43.17	26	6100.0	171	541	2.64
3	72.0	118	20396	99.72	15	730.0	1136	7584	37.08	27	7400.0	132	370	1.81
4	87.0	307	20278	99.14	16	880.0	1226	6448	31.52	28	8900.0	93	238	1.16
5	110.0	491	19971	97.64	17	1100.0	828	5222	25.53	29	11000.0	56	145	0.71
6	130.0	1272	19480	95.24	18	1300.0	890	4394	21.48	30	13000.0	39	89	0.44
7	160.0	1303	18208	89.02	19	1600.0	581	3504	17.13	31	16000.0	25	50	0.24
8	190.0	1486	16905	82.65	20	1900.0	633	2923	14.29	32	19000.0	16	25	0.12
9	230.0	1454	15419	75.38	21	2300.0	516	2290	11.20	33	23000.0	6	9	0.04
10	280.0	1269	13965	68.28	22	2800.0	399	1774	8.67	34	28000.0	3	3	0.01
11	340.0	1390	12696	62.07	23	3400.0	317	1375	6.72					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	131.0
P90 =	155.0
P75 =	233.0
P70 =	268.0
P50 =	483.0
P25 =	1130.0
P10 =	2540.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1931	96.00 11	118.00 20	125.00 20	130.00 20	135.00 18	141.00 14	164.00 18	159.00 13	169.00 7
1932	96.00 12	101.00 12	107.00 12	119.00 15	171.00 27	187.00 25	194.00 23	244.00 23	277.00 20
1933	93.00 9	94.00 9	99.00 8	101.00 8	118.00 9	151.00 20	191.00 22	245.00 24	313.00 25
1934	147.00 35	155.00 36	177.00 39	196.00 41	207.00 39	224.00 37	258.00 32	276.00 33	311.00 24
1935	52.00 2	57.00 2	62.00 2	67.00 3	86.00 5	102.00 4	108.00 4	117.00 2	122.00 1
1936	88.00 6	89.00 6	92.00 6	100.00 7	108.00 6	119.00 6	142.00 8	166.00 14	201.00 12
1937	56.00 3	73.00 5	79.00 5	82.00 5	85.00 4	97.00 3	100.00 2	121.00 4	256.00 18
1938	219.00 49	224.00 49	226.00 48	234.00 47	243.00 45	451.00 52	445.00 49	512.00 48	658.00 47
1939	144.00 32	148.00 33	150.00 29	156.00 27	167.00 26	187.00 26	219.00 26	262.00 29	341.00 29
1940	89.00 7	91.00 7	95.00 7	99.00 6	109.00 7	121.00 7	147.00 13	150.00 7	187.00 9
1941	59.00 4	62.00 3	62.00 3	65.00 2	73.00 2	81.00 2	89.00 1	103.00 1	131.00 2
1942	49.00 1	51.00 1	53.00 1	54.00 1	69.00 1	75.00 1	101.00 3	119.00 3	152.00 4
1943	142.00 31	147.00 31	156.00 32	157.00 29	159.00 25	198.00 28	258.00 33	273.00 31	375.00 34
1944	150.00 37	157.00 37	163.00 35	168.00 31	174.00 30	180.00 24	201.00 24	260.00 28	290.00 21
1945	89.00 8	91.00 8	100.00 9	107.00 9	114.00 8	118.00 5	126.00 5	129.00 5	134.00 3
1946	184.00 44	201.00 46	216.00 47	259.00 49	281.00 48	382.00 48	489.00 51	736.00 54	736.00 50
1947	99.00 15	107.00 13	109.00 13	116.00 13	129.00 17	145.00 17	167.00 19	191.00 18	310.00 23
1948	149.00 36	159.00 39	164.00 36	177.00 35	226.00 43	252.00 39	268.00 37	288.00 35	385.00 35
1949	125.00 25	139.00 28	146.00 26	156.00 28	172.00 28	196.00 27	238.00 28	296.00 37	494.00 42
1950	117.00 21	133.00 25	149.00 28	168.00 32	189.00 33	209.00 32	258.00 34	286.00 34	362.00 31
1951	214.00 48	217.00 48	233.00 49	257.00 48	325.00 50	380.00 47	548.00 52	519.00 49	722.00 49
1952	111.00 18	112.00 18	116.00 17	121.00 16	128.00 13	139.00 12	157.00 16	191.00 19	329.00 28
1953	126.00 26	130.00 23	137.00 23	148.00 25	183.00 31	214.00 33	318.00 43	299.00 38	390.00 36
1954	112.00 19	117.00 19	123.00 19	126.00 19	129.00 14	135.00 10	143.00 9	156.00 10	195.00 11
1955	67.00 5	71.00 4	75.00 4	79.00 4	83.00 3	121.00 8	132.00 6	171.00 15	222.00 15
1956	94.00 10	96.00 10	102.00 10	110.00 10	136.00 19	200.00 30	366.00 44	445.00 44	540.00 43
1957	98.00 14	109.00 14	111.00 14	114.00 12	119.00 10	127.00 9	139.00 7	188.00 17	241.00 16
1958	245.00 52	245.00 51	256.00 51	271.00 50	383.00 55	520.00 54	550.00 53	701.00 51	1320.00 55
1959	272.00 54	283.00 54	293.00 54	305.00 54	326.00 51	413.00 50	480.00 50	707.00 53	888.00 53
1960	124.00 24	131.00 24	137.00 24	142.00 22	151.00 23	171.00 23	204.00 25	248.00 27	324.00 27



## 03351000 WHITE RIVER NEAR NORA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	117.00	22	128.00	22	131.00	21	134.00	21	140.00	20	147.00	18	151.00	15	151.00	8	169.00	8
1962	154.00	39	158.00	38	162.00	34	182.00	36	245.00	46	316.00	46	304.00	41	369.00	43	431.00	39
1963	145.00	33	150.00	34	159.00	33	171.00	34	199.00	36	222.00	36	239.00	29	246.00	26	246.00	17
1964	105.00	16	111.00	15	113.00	15	122.00	18	129.00	15	141.00	13	145.00	10	148.00	6	164.00	5
1965	108.00	17	112.00	16	120.00	18	121.00	17	129.00	16	142.00	15	146.00	11	156.00	11	191.00	10
1966	132.00	27	138.00	27	146.00	27	154.00	26	183.00	32	209.00	31	226.00	27	276.00	32	270.00	19
1967	97.00	13	98.00	11	102.00	11	113.00	11	127.00	11	142.00	16	147.00	14	159.00	12	208.00	13
1968	119.00	23	124.00	21	136.00	22	144.00	23	149.00	22	151.00	19	163.00	17	173.00	16	212.00	14
1969	172.00	41	176.00	41	183.00	41	184.00	38	194.00	34	219.00	34	260.00	35	366.00	42	493.00	41
1970	225.00	50	233.00	50	249.00	50	273.00	51	309.00	49	583.00	55	667.00	54	704.00	52	833.00	51
1971	139.00	30	148.00	32	165.00	37	192.00	40	202.00	38	268.00	43	315.00	42	336.00	40	371.00	32
1972	151.00	38	155.00	35	166.00	38	183.00	37	197.00	35	222.00	35	249.00	31	242.00	22	297.00	22
1973	163.00	40	169.00	40	179.00	40	187.00	39	200.00	37	256.00	40	383.00	45	488.00	46	710.00	48
1974	251.00	53	262.00	53	266.00	52	282.00	52	334.00	53	392.00	49	395.00	46	651.00	50	873.00	52
1975	195.00	46	198.00	45	200.00	43	210.00	44	224.00	40	275.00	44	299.00	40	321.00	39	547.00	44
1976	178.00	43	184.00	43	209.00	45	216.00	45	224.00	41	250.00	38	288.00	38	292.00	36	429.00	38
1977	112.00	20	112.00	17	115.00	16	119.00	14	127.00	12	137.00	11	146.00	12	153.00	9	169.00	6
1978	137.00	29	142.00	29	151.00	30	170.00	33	174.00	29	199.00	29	241.00	30	245.00	25	319.00	26
1979	199.00	47	208.00	47	212.00	46	220.00	46	262.00	47	282.00	45	430.00	48	504.00	47	657.00	46
1980	316.00	55	319.00	55	326.00	55	354.00	55	370.00	54	479.00	53	682.00	55	1020.00	55	1110.00	54
1981	190.00	45	197.00	44	201.00	44	208.00	42	228.00	44	258.00	41	268.00	36	268.00	30	402.00	37
1982	237.00	51	253.00	52	275.00	53	294.00	53	329.00	52	433.00	51	402.00	47	485.00	45	605.00	45
1983	146.00	34	147.00	30	153.00	31	158.00	30	158.00	24	165.00	22	180.00	20	234.00	21	371.00	33
1984	132.00	28	136.00	26	139.00	25	146.00	24	148.00	21	164.00	21	180.00	21	202.00	20	358.00	30
1985	175.00	42	178.00	42	186.00	42	210.00	43	226.00	42	263.00	42	295.00	39	347.00	41	479.00	40

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1930	20100.00 10	18100.00 11	15800.00 5	11700.00 3	7340.00 3	4790.00 4	4040.00 3	3340.00 4	2550.00 8
1931	2520.00 56	2220.00 56	1540.00 56	1310.00 56	1000.00 55	817.00 54	647.00 55	547.00 55	449.00 55
1932	9960.00 37	9170.00 34	6790.00 35	5480.00 29	3880.00 28	2950.00 29	2440.00 30	2080.00 33	1630.00 34
1933	22900.00 7	22300.00 5	16100.00 4	9340.00 9	5890.00 12	4990.00 3	3920.00 4	3190.00 8	2890.00 2
1934	4320.00 52	3850.00 52	2890.00 51	1760.00 52	1350.00 53	939.00 53	712.00 54	617.00 54	498.00 54
1935	9480.00 38	8050.00 41	6790.00 36	4510.00 39	2600.00 45	1650.00 49	1450.00 49	1240.00 48	947.00 48
1936	10100.00 36	9080.00 36	5850.00 40	3360.00 49	2180.00 50	1780.00 48	1530.00 47	1240.00 49	907.00 49
1937	26100.00 4	22000.00 6	13500.00 7	9730.00 6	6660.00 6	4690.00 8	3610.00 8	3300.00 6	2560.00 7
1938	22900.00 8	18600.00 9	10800.00 11	10100.00 5	7340.00 4	5280.00 2	3890.00 5	3430.00 3	2650.00 5
1939	18200.00 14	15400.00 15	10300.00 15	6240.00 21	4150.00 25	3550.00 18	3280.00 15	2640.00 19	1910.00 25
1940	8330.00 45	7810.00 42	5830.00 41	3690.00 45	2430.00 48	1610.00 50	1370.00 50	1170.00 50	866.00 50
1941	2860.00 54	2560.00 54	1920.00 54	1480.00 55	954.00 56	574.00 56	455.00 56	396.00 56	340.00 56
1942	9080.00 41	7770.00 43	5290.00 47	4320.00 40	2910.00 39	2460.00 36	2250.00 34	1880.00 39	1480.00 40
1943	31500.00 1	27300.00 1	17400.00 2	12300.00 2	7210.00 5	4120.00 13	3370.00 12	2800.00 13	2220.00 15
1944	20000.00 11	16500.00 12	10800.00 12	7000.00 16	4500.00 21	3370.00 21	2740.00 21	2220.00 25	1520.00 38
1945	10900.00 33	10400.00 32	7620.00 32	4550.00 38	2820.00 43	2260.00 40	2290.00 32	2190.00 26	1680.00 31
1946	7140.00 49	6280.00 49	5300.00 46	3770.00 43	2880.00 40	2250.00 41	2170.00 37	1890.00 38	1760.00 29
1947	9000.00 42	8160.00 40	6270.00 38	4570.00 37	3540.00 33	3110.00 25	2640.00 25	2150.00 29	1850.00 28
1948	14600.00 17	13500.00 18	10400.00 14	8590.00 10	7710.00 2	4730.00 5	3730.00 7	3170.00 9	2410.00 10
1949	13900.00 24	12600.00 23	8280.00 27	7080.00 15	5970.00 11	4390.00 9	3520.00 9	3050.00 10	2360.00 12
1950	21900.00 9	19700.00 7	13500.00 8	12500.00 1	9340.00 1	6950.00 1	5620.00 1	4830.00 1	3520.00 1
1951	14200.00 20	11200.00 28	7860.00 30	5920.00 24	3850.00 29	3070.00 27	2740.00 22	2560.00 21	2390.00 11
1952	12200.00 29	10700.00 29	6740.00 37	5940.00 23	4210.00 24	3410.00 20	3100.00 18	2840.00 12	2320.00 13
1953	9350.00 39	8700.00 37	5450.00 44	3750.00 44	2850.00 41	2020.00 43	1980.00 41	1720.00 42	1500.00 39
1954	2820.00 55	2440.00 55	1890.00 55	1700.00 53	1410.00 52	1020.00 52	856.00 52	739.00 53	593.00 53
1955	8440.00 44	7570.00 44	4970.00 48	3420.00 47	2250.00 49	1800.00 46	1770.00 43	1650.00 44	1300.00 43
1956	11800.00 30	10400.00 33	7370.00 33	4700.00 36	2820.00 42	2020.00 44	1770.00 44	1950.00 36	1550.00 37
1957	28400.00 2	24200.00 3	14000.00 6	7720.00 12	5450.00 14	4090.00 14	4310.00 2	3690.00 2	2850.00 3
1958	24600.00 5	22600.00 4	18500.00 1	11000.00 4	6240.00 9	4280.00 10	3160.00 16	2650.00 18	2090.00 20
1959	15200.00 16	13800.00 16	8720.00 23	5350.00 32	5020.00 16	3600.00 17	2960.00 19	2860.00 11	2220.00 16
1960	7620.00 47	6710.00 47	5350.00 45	3420.00 48	2550.00 46	1800.00 47	1670.00 46	1510.00 46	1210.00 46
1961	11700.00 32	10700.00 30	9160.00 19	6420.00 20	4660.00 20	3970.00 15	3330.00 13	2770.00 15	2010.00 22
1962	19500.00 12	16200.00 13	9100.00 20	5520.00 27	3630.00 30	3050.00 28	2630.00 26	2140.00 30	1600.00 35
1963	19100.00 13	18600.00 10	10800.00 13	6860.00 18	4840.00 17	3100.00 26	2260.00 33	1780.00 41	1270.00 44
1964	28200.00 3	25600.00 2	16200.00 3	9580.00 7	6040.00 10	4730.00 6	3420.00 11	2690.00 17	1960.00 24
1965	8870.00 43	7550.00 45	5650.00 42	4260.00 41	3120.00 37	2750.00 33	2430.00 31	2000.00 34	1450.00 41

## WABASH RIVER BASIN

03351000 WHITE RIVER NEAR NORA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	4630.00	51	3970.00	51	2520.00	53	1520.00	54	1070.00	54	815.00	55	771.00	53	745.00	52	666.00	52
1967	14400.00	18	13400.00	19	9390.00	18	5390.00	30	3120.00	38	2350.00	38	2120.00	39	2090.00	32	1900.00	26
1968	12300.00	27	11300.00	26	8990.00	21	5490.00	28	3250.00	35	2620.00	34	2180.00	35	1970.00	35	1860.00	27
1969	13300.00	25	12400.00	24	8700.00	24	5770.00	25	4300.00	23	2900.00	31	2180.00	36	2110.00	31	1680.00	32
1970	7540.00	48	6490.00	48	5620.00	43	3940.00	42	2610.00	44	2130.00	42	2100.00	40	1900.00	37	1650.00	33
1971	9340.00	40	8540.00	39	7290.00	34	4910.00	35	3390.00	34	2370.00	37	1730.00	45	1550.00	45	1200.00	47
1972	12200.00	28	11200.00	27	8140.00	29	5390.00	31	3980.00	27	2590.00	35	2130.00	38	1820.00	40	1720.00	30
1973	10400.00	34	9100.00	35	6050.00	39	5050.00	34	4380.00	22	3340.00	22	2680.00	24	2450.00	23	2610.00	6
1974	12600.00	26	11500.00	25	9800.00	16	7500.00	13	4710.00	18	3790.00	16	3440.00	10	3230.00	7	2760.00	4
1975	14200.00	21	12700.00	21	8180.00	28	5230.00	33	3600.00	31	2910.00	30	2700.00	23	2610.00	20	2210.00	17
1976	14200.00	22	12700.00	22	8390.00	26	6970.00	17	5070.00	15	3320.00	23	2550.00	28	2180.00	28	1600.00	36
1977	3900.00	53	3320.00	53	2560.00	52	1950.00	51	1440.00	51	1280.00	51	1110.00	51	914.00	51	681.00	51
1978	14400.00	19	13500.00	17	11600.00	10	9510.00	8	6430.00	7	4200.00	11	3330.00	14	2780.00	14	2260.00	14
1979	14100.00	23	12800.00	20	8870.00	22	7490.00	14	4700.00	19	3450.00	19	2550.00	29	2190.00	27	2170.00	18
1980	18100.00	15	15400.00	14	9550.00	17	5600.00	26	3570.00	32	2810.00	32	2590.00	27	2470.00	22	2030.00	21
1981	6860.00	50	5930.00	50	4550.00	50	3660.00	46	3170.00	36	2340.00	39	1880.00	42	1700.00	43	1390.00	42
1982	11800.00	31	10700.00	31	8540.00	25	6630.00	19	6360.00	8	4690.00	7	3800.00	6	3320.00	5	2540.00	9
1983	7990.00	46	6710.00	46	4600.00	49	2820.00	50	2500.00	47	1890.00	45	1490.00	48	1320.00	47	1250.00	45
1984	10200.00	35	8550.00	38	7820.00	31	6070.00	22	4060.00	26	3160.00	24	2790.00	20	2350.00	24	2000.00	23
1985	23100.00	6	19600.00	8	12500.00	9	8060.00	11	5710.00	13	4180.00	12	3110.00	17	2720.00	16	2170.00	19

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1931	392.00	2
1932	959.00	23
1933	1050.00	30
1934	1040.00	29
1935	269.00	1
1936	761.00	13
1937	1190.00	35
1938	1440.00	43
1939	1480.00	44
1940	659.00	8
1941	403.00	3
1942	596.00	6
1943	899.00	20
1944	1280.00	37
1945	787.00	17
1946	1490.00	45
1947	784.00	16
1948	1420.00	42
1949	1780.00	52
1950	1810.00	53
1951	1520.00	47
1952	1330.00	38
1953	963.00	24
1954	594.00	5
1955	737.00	11
1956	935.00	22
1957	830.00	18
1958	2010.00	55
1959	1840.00	54
1960	1000.00	26
1961	745.00	12
1962	1410.00	41
1963	769.00	14
1964	611.00	7
1965	1130.00	31
1966	676.00	9
1967	887.00	19
1968	1030.00	27
1969	1160.00	32
1970	1160.00	33

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1930	1430.00	13
1931	318.00	55
1932	962.00	37
1933	1690.00	4
1934	345.00	54
1935	560.00	48
1936	522.00	49
1937	1590.00	8
1938	1690.00	5
1939	1110.00	30
1940	499.00	50
1941	235.00	56
1942	865.00	41
1943	1420.00	14
1944	872.00	40
1945	964.00	36
1946	1170.00	23
1947	1120.00	28
1948	1370.00	17
1949	1390.00	16
1950	2050.00	1
1951	1420.00	15
1952	1340.00	18
1953	957.00	38
1954	370.00	53
1955	825.00	44
1956	1160.00	25
1957	1620.00	7
1958	1680.00	6
1959	1320.00	19
1960	845.00	42
1961	1110.00	29
1962	1030.00	35
1963	751.00	47
1964	1070.00	32
1965	833.00	43
1966	441.00	51
1967	1060.00	33
1968	1170.00	24
1969	1140.00	26

03351000 WHITE RIVER NEAR NORA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	966.00	25
1972	714.00	10
1973	1750.00	51
1974	1710.00	50
1975	1510.00	46
1976	1250.00	36
1977	494.00	4
1978	1040.00	28
1979	1350.00	40
1980	1540.00	48
1981	934.00	21
1982	1690.00	49
1983	781.00	15
1984	1180.00	34
1985	1340.00	39

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	1120.00	27
1971	770.00	45
1972	1080.00	31
1973	1810.00	2
1974	1720.00	3
1975	1310.00	20
1976	1050.00	34
1977	431.00	52
1978	1460.00	12
1979	1480.00	10
1980	1490.00	9
1981	873.00	39
1982	1470.00	11
1983	769.00	46
1984	1200.00	22
1985	1290.00	21

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1930	191.00	737.00	2266.0	6770.0	2456.0	1504.0	1546.0	617.00	472.00	238.00	141.00	216.00
1931	147.00	135.00	211.00	165.00	235.00	595.00	943.00	383.00	200.00	203.00	260.00	344.00
1932	399.00	608.00	1812.0	3670.0	1736.0	940.00	750.00	506.00	471.00	253.00	125.00	268.00
1933	366.00	895.00	2395.0	2313.0	1068.0	3147.0	2529.0	5665.0	699.00	226.00	316.00	506.00
1934	316.00	220.00	314.00	339.00	226.00	982.00	869.00	245.00	203.00	135.00	144.00	135.00
1935	114.00	110.00	119.00	390.00	212.00	553.00	626.00	2528.0	700.00	969.00	214.00	129.00
1936	112.00	231.00	212.00	328.00	1627.0	1467.0	862.00	963.00	210.00	102.00	103.00	101.00
1937	267.00	957.00	456.00	6468.0	2665.0	1127.0	2728.0	1023.0	1230.0	621.00	946.00	614.00
1938	585.00	368.00	2093.0	752.00	2607.0	3832.0	5235.0	989.00	2138.0	1097.0	455.00	280.00
1939	167.00	290.00	309.00	882.00	2572.0	3519.0	3496.0	631.00	513.00	582.00	330.00	114.00
1940	155.00	176.00	159.00	247.00	678.00	878.00	2326.0	584.00	503.00	157.00	96.10	73.60
1941	108.00	142.00	222.00	186.00	273.00	194.00	280.00	141.00	945.00	198.00	82.50	72.30
1942	149.00	218.00	208.00	211.00	2260.0	2524.0	1947.0	823.00	1207.0	238.00	372.00	361.00
1943	161.00	730.00	963.00	888.00	1092.0	2045.0	695.00	6815.0	1175.0	986.00	976.00	455.00
1944	194.00	457.00	223.00	178.00	844.00	2208.0	4453.0	1098.0	392.00	159.00	202.00	123.00
1945	115.00	157.00	129.00	119.00	608.00	1931.0	2538.0	1623.0	2602.0	643.00	418.00	722.00
1946	1351.0	682.00	1076.0	1842.0	1652.0	2756.0	664.00	1827.0	1260.0	566.00	252.00	143.00
1947	150.00	232.00	540.00	1583.0	1083.0	1107.0	2669.0	2759.0	1913.0	692.00	452.00	259.00
1948	267.00	288.00	346.00	1892.0	1531.0	4011.0	5114.0	1168.0	720.00	612.00	318.00	175.00
1949	221.00	1139.0	1910.0	5823.0	2581.0	1609.0	1107.0	709.00	703.00	485.00	270.00	201.00
1950	499.00	232.00	922.00	9015.0	4805.0	2871.0	2189.0	887.00	1147.0	971.00	371.00	856.00
1951	414.00	1474.0	2317.0	2264.0	3626.0	1947.0	2483.0	1164.0	482.00	704.00	187.00	147.00
1952	154.00	320.00	1467.0	3182.0	2582.0	3109.0	2307.0	1218.0	747.00	301.00	243.00	521.00
1953	228.00	359.00	840.00	1111.0	933.00	2753.0	1086.0	1981.0	601.00	1016.0	372.00	150.00
1954	134.00	156.00	186.00	310.00	367.00	733.00	1291.0	442.00	399.00	184.00	161.00	86.90
1955	410.00	248.00	439.00	1883.0	1101.0	2204.0	1267.0	538.00	671.00	697.00	228.00	207.00
1956	933.00	2282.0	667.00	297.00	2213.0	1329.0	1435.0	2167.0	1515.0	692.00	356.00	182.00
1957	120.00	154.00	325.00	885.00	1302.0	876.00	5399.0	2662.0	4041.0	2538.0	645.00	551.00
1958	687.00	1147.0	3794.0	1113.0	587.00	972.00	842.00	1100.0	6093.0	1599.0	1701.0	514.00
1959	412.00	1196.0	697.00	2752.0	3434.0	1926.0	2445.0	1923.0	540.00	296.00	195.00	165.00
1960	357.00	551.00	855.00	1402.0	2194.0	1138.0	961.00	661.00	684.00	939.00	292.00	159.00
1961	147.00	160.00	150.00	182.00	393.00	4144.0	3738.0	1873.0	1088.0	551.00	486.00	363.00
1962	290.00	526.00	367.00	3354.0	1576.0	2759.0	671.00	636.00	491.00	1160.0	267.00	214.00
1963	275.00	265.00	246.00	234.00	255.00	4419.0	1533.0	680.00	325.00	369.00	186.00	159.00
1964	140.00	151.00	145.00	209.00	182.00	3214.0	5879.0	1050.0	488.00	981.00	191.00	182.00
1965	133.00	156.00	179.00	465.00	1636.0	2350.0	3110.0	789.00	429.00	264.00	207.00	384.00
1966	332.00	218.00	224.00	702.00	951.00	578.00	559.00	882.00	355.00	204.00	164.00	157.00
1967	131.00	263.00	2955.0	892.00	1282.0	2772.0	1781.0	1691.0	377.00	226.00	157.00	150.00
1968	185.00	199.00	2712.0	1140.0	2641.0	1150.0	1513.0	1858.0	1152.0	488.00	783.00	233.00
1969	215.00	481.00	1271.0	2806.0	2443.0	748.00	1916.0	868.00	836.00	760.00	697.00	734.00
1970	1164.0	1854.0	838.00	1027.0	1729.0	1576.0	2558.0	1135.0	601.00	377.00	415.00	208.00
1971	361.00	463.00	454.00	403.00	3253.0	1581.0	484.00	975.00	675.00	275.00	204.00	315.00
1972	245.00	206.00	1859.0	1476.0	548.00	1260.0	3904.0	1189.0	772.00	618.00	238.00	629.00
1973	874.00	3651.0	2310.0	1761.0	1409.0	3696.0	2804.0	868.00	1988.0	683.00	1342.0	343.00
1974	441.00	1181.0	2423.0	4225.0	2194.0	2062.0	2926.0	2004.0	1894.0	665.00	301.00	368.00
1975	228.00	394.00	1372.0	2286.0	3535.0	2310.0	2275.0	1447.0	1103.0	329.00	349.00	287.00
1976	266.00	328.00	1091.0	1396.0	4142.0	2149.0	568.00	332.00	831.00	1130.0	256.00	198.00
1977	175.00	164.00	155.00	128.00	589.00	1407.0	905.00	672.00	228.00	190.00	337.00	229.00
1978	616.00	332.00	2894.0	523.00	327.00	5113.0	2763.0	1779.0	766.00	900.00	875.00	494.00
1979	294.00	639.00	1101.0	1307.0	1853.0	3434.0	2114.0	649.00	889.00	2260.0	2612.0	540.00
1980	455.00	1822.0	1787.0	1054.0	1044.0	3174.0	1954.0	939.00	3370.0	636.00	1258.0	441.00
1981	268.00	262.00	307.00	239.00	1130.0	500.00	965.00	2812.0	1718.0	985.00	713.00	606.00
1982	475.00	400.00	808.00	2053.0	3752.0	5094.0	2098.0	779.00	1275.0	498.00	379.00	180.00
1983	159.00	253.00	1574.0	702.00	853.00	647.00	1886.0	1862.0	587.00	360.00	193.00	152.00
1984	240.00	830.00	2111.0	459.00	2064.0	3454.0	2727.0	1068.0	462.00	460.00	337.00	258.00
1985	341.00	1168.0	1359.0	1386.0	3587.0	3166.0	2431.0	907.00	568.00	251.00	237.00	235.00

WABASH RIVER BASIN  
03351000 WHITE RIVER NEAR NORA, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
154.00	218.00	230.00	331.00	720.00	1112.00
FIFTIETH PERCENTILE					
256.00	330.00	823.00	1041.00	1554.00	1996.00
SEVENTY FIFTH PERCENTILE					
407.00	735.00	1806.00	2013.00	2543.00	3138.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
948.00	674.00	484.00	252.00	197.00	158.00
FIFTIETH PERCENTILE					
1951.00	1006.00	702.00	559.00	297.00	231.00
SEVENTY FIFTH PERCENTILE					
2713.00	1815.00	1199.00	865.00	444.00	427.00

## 03351310 CROOKED CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'47", long 86°12'22", in NW¼SE¼ sec.16, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on left bank 150 ft downstream from 42nd Street bridge in Indianapolis, and at mile 1.6.

DRAINAGE AREA.--17.9 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 711.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

AVERAGE DISCHARGE.--16 years, 18.3 ft<sup>3</sup>/s, 13.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft<sup>3</sup>/s June 26, 1978, gage height, 13.31 ft; minimum daily, 0.47 ft<sup>3</sup>/s Dec. 2, 1971.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1970					13	24	31	23	11	30	20	28	43	31	23	22	15	14	12	10	2	3	4		2	1	1	1								
1971					8	26	63	41	36	42	44	17	10	14	11	9	14	12	3	2	1	4	1	4	1		2									
1972	2	13	11	3	19	17	25	16	15	30	27	24	29	29	16	21	20	11	6	13	5	3	2	2	1	2	2	2								
1973				2	10	2	10	15	31	37	29	30	30	29	27	33	16	15	13	9	11	7	2	2		3					1	1				
1974					34	23	20	20	16	22	28	20	23	30	29	20	18	15	10	7	10	6	6	4					3				1		1	
1975					9	20	52	30	35	23	18	24	21	19	33	22	17	10	11	5	7		2	3	2					1					1	
1976				3	9	20	32	32	34	35	33	25	22	21	19	12	15	12	13	5	8	5	4	2	3			1								
1977				23	28	73	24	19	19	23	33	20	18	12	8	10	11	9	7	2	1	3	1	1	1			1								
1978								1	16	60	58	28	36	20	18	20	33	13	17	12	12	7	4		3		1				4			1		1
1979								3	37	63	41	46	42	20	16	20	16	10	12	11	6	7	4	1	2		2	2			2	2				
1980					4	16	12	25	43	32	19	46	32	26	27	20	14	10	15	9	6	7		3												
1981					8	12	32	39	39	25	35	24	20	20	23	23	15	10	16	5	3	4	4	4	1				2				1			
1982					23	38	29	22	23	16	33	19	21	20	18	16	18	17	10	10	7	8	5	5	3		2			2						
1983	6	6	15	10	14	17	12	20	17	14	18	36	46	29	33	17	15	9	8	3	6	5	6					1	1	1						
1984	3	3	3	9	8	17	23	23	18	20	28	24	15	21	30	25	32	13	14	10	6	7	7		3		2	1	1							
1985					1	26	16	28	31	32	23	26	41	29	22	18	21	15	8	6	5	4	5	3	2			1			1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	6.3	404	3158	54.04	24	110.0	27	128	2.19
1	0.47	11	5844	100.00	13	7.9	465	2754	47.13	25	130.0	34	101	1.73
2	0.60	22	5833	99.81	14	10.0	375	2289	39.17	26	170.0	18	67	1.15
3	0.75	52	5811	99.44	15	13.0	336	1914	32.75	27	210.0	19	49	0.84
4	0.95	61	5759	98.55	16	16.0	308	1578	27.00	28	270.0	7	30	0.51
5	1.2	182	5698	97.50	17	20.0	335	1270	21.73	29	340.0	11	23	0.39
6	1.5	255	5516	94.39	18	26.0	223	935	16.00	30	430.0	7	12	0.21
7	1.9	350	5261	90.02	19	33.0	175	712	12.18	31	550.0	1	5	0.09
8	2.4	332	4911	84.03	20	41.0	140	537	9.19	32	690.0	2	4	0.07
9	3.1	398	4579	78.35	21	52.0	102	397	6.79	33	880.0	0	2	0.03
10	3.9	534	4181	71.54	22	66.0	89	295	5.05	34	1100.0	2	2	0.03
11	5.0	489	3647	62.41	23	83.0	78	206	3.52					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	1.4
P90 =	1.9
P75 =	3.5
P70 =	4.1
P50 =	7.2
P25 =	17.5
P10 =	38.9

## 03351310 CROOKED CREEK AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	1.30 9	1.40 8	1.50 8	1.60 8	1.80 6	2.00 5	2.50 4	2.80 4	3.10 2
1972	0.47 1	0.62 2	0.65 2	0.70 2	0.82 1	1.60 2	2.20 3	2.40 2	3.50 3
1973	1.30 10	1.40 9	1.60 9	2.00 11	3.40 11	4.40 12	4.90 11	6.20 11	9.30 11
1974	1.40 11	1.50 10	1.60 10	1.80 9	3.50 12	3.60 10	4.20 8	7.00 13	10.00 12
1975	2.00 12	2.10 13	2.20 12	2.40 12	3.20 9	5.70 14	6.00 13	6.60 12	11.00 13
1976	2.00 13	2.00 12	2.20 13	2.70 13	3.50 13	4.20 11	4.50 10	5.10 9	6.50 6
1977	0.76 3	0.77 3	0.80 3	0.85 3	0.89 2	1.00 1	1.19 1	1.50 1	1.80 1
1978	1.19 7	1.19 7	1.30 7	1.40 6	2.60 8	3.10 8	5.20 12	5.70 10	8.50 10
1979	2.90 14	3.00 14	3.40 15	3.50 14	5.10 15	6.50 15	8.60 15	10.00 14	14.00 15
1980	3.00 15	3.00 15	3.20 14	3.60 15	4.10 14	5.30 13	7.20 14	11.00 15	13.00 14
1981	1.00 6	1.10 6	1.10 6	1.19 4	1.50 4	2.10 6	3.00 5	3.00 5	3.90 4
1982	1.30 8	1.50 11	1.60 11	1.90 10	3.30 10	3.50 9	3.80 6	4.20 6	6.70 7
1983	0.77 4	0.82 4	0.88 4	1.30 5	1.50 5	1.70 3	2.20 2	2.70 3	5.30 5
1984	0.50 2	0.51 1	0.53 1	0.65 1	1.10 3	2.00 4	4.20 9	5.00 7	7.10 8
1985	0.99 5	1.00 5	1.10 5	1.50 7	2.10 7	3.10 7	4.10 7	5.10 8	8.30 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	442.00 8	224.00 9	117.00 9	69.00 12	48.00 13	33.00 15	31.00 11	29.00 11	26.00 9
1971	253.00 14	131.00 14	113.00 11	70.00 11	52.00 11	35.00 13	26.00 15	23.00 15	18.00 15
1972	318.00 10	227.00 8	117.00 10	75.00 9	58.00 9	40.00 11	30.00 12	28.00 12	26.00 10
1973	653.00 4	279.00 5	137.00 7	115.00 3	69.00 7	47.00 8	38.00 5	33.00 5	37.00 4
1974	847.00 3	424.00 3	198.00 3	113.00 4	71.00 5	59.00 2	53.00 2	48.00 3	49.00 1
1975	1110.00 2	479.00 2	226.00 2	125.00 2	83.00 1	62.00 1	55.00 1	51.00 1	41.00 2
1976	425.00 9	214.00 10	110.00 13	66.00 13	59.00 8	43.00 10	37.00 6	33.00 6	24.00 11
1977	219.00 15	124.00 15	74.00 15	44.00 16	31.00 16	26.00 16	23.00 16	18.00 16	14.00 16
1978	1570.00 1	654.00 1	290.00 1	148.00 1	78.00 2	56.00 4	45.00 4	51.00 2	40.00 3
1979	523.00 5	241.00 7	152.00 5	111.00 5	71.00 6	51.00 5	36.00 10	32.00 7	32.00 6
1980	161.00 16	85.00 16	58.00 16	49.00 15	42.00 15	35.00 12	28.00 13	26.00 13	23.00 12
1981	502.00 6	290.00 4	154.00 4	110.00 6	75.00 4	48.00 6	37.00 7	31.00 10	23.00 13
1982	292.00 11	178.00 11	144.00 6	94.00 7	77.00 3	57.00 3	48.00 3	43.00 4	33.00 5
1983	279.00 13	142.00 13	96.00 14	50.00 14	43.00 14	33.00 14	26.00 14	23.00 14	23.00 14
1984	289.00 12	167.00 12	111.00 12	74.00 10	49.00 12	44.00 9	36.00 8	32.00 8	29.00 7
1985	495.00 7	251.00 6	128.00 8	79.00 8	52.00 10	47.00 7	36.00 9	32.00 9	28.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	14.00 5
1972	11.00 3
1973	25.00 13
1974	23.00 11
1975	31.00 15
1976	19.00 9
1977	7.80 1
1978	17.00 6
1979	26.00 14
1980	21.00 10
1981	9.40 2
1982	24.00 12
1983	12.00 4
1984	18.00 7
1985	19.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	17.00 9
1971	11.00 15
1972	16.00 11
1973	24.00 3
1974	30.00 1
1975	24.00 4
1976	16.00 12
1977	8.30 16
1978	28.00 2
1979	22.00 5
1980	17.00 10
1981	13.00 14
1982	18.00 6
1983	14.00 13
1984	18.00 7
1985	17.00 8

## 03351310 CROOKED CREEK AT INDIANAPOLIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	*	*	*	*	*	*	*	*	7.67	21.30	9.31	6.47
1970	14.60	38.00	11.20	17.00	22.90	19.60	41.60	19.80	6.84	4.21	2.24	2.02
1971	3.37	3.53	4.66	9.72	51.90	18.80	5.63	15.70	5.29	7.25	2.30	4.01
1972	2.46	0.88	39.20	15.80	8.03	20.90	58.20	10.70	20.80	3.63	5.36	9.55
1973	6.17	69.30	25.50	19.70	16.40	59.10	33.10	9.58	22.30	13.40	13.40	3.91
1974	4.28	21.90	39.30	54.80	25.70	36.00	35.30	47.10	69.40	7.62	7.14	7.25
1975	4.65	9.73	30.40	46.60	79.40	33.80	47.80	12.30	9.79	7.94	5.15	5.09
1976	4.68	12.00	21.40	27.80	38.70	38.10	6.52	4.66	19.80	5.81	6.32	1.70
1977	2.46	1.47	1.23	0.94	17.60	25.90	13.30	14.50	2.80	3.75	10.10	6.12
1978	23.00	7.73	44.90	8.42	4.17	62.70	24.70	34.70	73.40	12.60	30.80	7.46
1979	7.68	11.70	17.50	15.10	28.10	47.90	32.10	4.99	7.17	57.70	24.70	4.90
1980	5.85	21.20	21.80	14.80	16.20	36.00	24.40	12.40	18.50	12.40	15.40	5.16
1981	3.19	4.11	3.27	1.60	7.00	5.65	21.80	71.40	12.40	17.60	5.98	4.53
1982	4.20	3.45	14.00	36.60	53.60	49.20	24.80	14.20	11.10	7.60	2.96	1.72
1983	1.86	8.25	36.50	8.58	14.20	14.80	33.70	28.10	7.16	7.77	6.81	1.36
1984	8.54	23.20	34.00	5.00	20.20	45.20	39.50	21.00	7.14	5.74	2.22	8.63
1985	6.30	24.60	22.40	13.80	38.30	42.70	22.60	12.90	6.88	2.87	10.20	5.34

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.23	3.67	11.90	8.46	14.70	19.90
FIFTIETH PERCENTILE					
4.66	10.70	22.10	15.00	21.50	36.00
SEVENTY FIFTH PERCENTILE					
7.33	22.90	35.90	25.80	38.60	47.20
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
22.00	11.10	7.01	4.97	4.05	2.96
FIFTIETH PERCENTILE					
28.40	14.40	9.79	7.62	6.81	5.09
SEVENTY FIFTH PERCENTILE					
38.40	26.30	20.30	13.00	11.80	6.86

## 03351400 SUGAR CREEK NEAR MIDDLETOWN, IN

LOCATION.--Lat 40°02'27", long 85°31'30", in NW¼ sec. 5, T.18 N., R.9 E., Henry County, Hydrologic Unit 05120201, on right bank 90 ft upstream from bridge on County Road 750 North, 1 mi southeast of Middletown.

DRAINAGE AREA.--5.80 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 5.83 ft<sup>3</sup>/s, 13.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,100 ft<sup>3</sup>/s April 28, 1975, gage height, 7.72 ft; minimum daily, 0.02 ft<sup>3</sup>/s Aug. 30 to Sept. 2, 1972.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969						2	12	2	3	23	13	18	18	17	25	54	43	24	22	6	15	9	10	10	4	8	3	3	2	1						
1970						2	5	23	23	13	23	26	36	23	22	9	26	17	20	32	18	11	14	8	6	3	2	2	1							
1971					9	7	14	38	39	25	36	31	31	18	16	13	11	6	8	14	12	9	6	8	5	3	3			3						
1972	4	7	11	11		1	3	27	14	29	30	14	16	21	18	21	21	28	17	20	9	11	9	7	7	3	4	1	2							
1973						5	1	20	9	8	10	17	23	32	12	24	18	21	24	28	20	30	18	15	13	7	6	2	1	1						
1974						1	15	12	26	24	18	18	7	21	16	24	29	29	17	14	16	9	11	5	7	6	6	3	2							
1975		1				7	10	8	32	31	31	19	27	1	12	15	33	17	23	13	21	11	10	10	6	5	6	2	8	2	2					2
1976					8	12	18	32	37	30	30	24	22	19	19	13	13	16	12	10	10	5	10	9	4	2	6		2	2	1					
1977		6	8	31	33	36	44		33	18	11	10	14	16	15	9	17	13	11	11	9	7	3	3	1	4		1	1							
1978										15	21	46	55	37	32	20	22	17	22	13	21	7	4	14	11	1	3		2	1				1		
1979										3	7	4	23	46	49	50	38	32	26	18	16	9	9	11	10	3	6	2		1	2					
1980										16	24	14	12	22	38	32	50	29	23	23	21	12	15	9	8	8	2	6	1		1					
1981						19	32	28	30	24	17	15	32	24	26	26	20	19	16	11	6	6	7	2	1	3		1								
1982						23	5	16	18	10	7	20	44	27	22	28	23	25	27	19	8	11	3	8	8	5	4	2	1			1				
1983					12	18	37	27	6	14	17	11	17	31	29	17	32	19	24	12	9	6	9	7	4	2	1	2	1		1					
1984				3			32	33	20	11	10	19	33	21	13	14	20	29	24	21	8	13	14	12	5	6	1	4								
1985					1	8	25	23	24	8	4	21	44	36	15	23	29	25	16	8	11	13	11	4	7	1	4		2		2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.00	12	0.55	353	4320	69.58	24	20.0	133	421	6.78
1	0.02	4	6209	100.00	13	0.74	408	3967	63.89	25	27.0	99	288	4.64
2	0.03	14	6205	99.94	14	1.0	441	3559	57.32	26	37.0	62	189	3.04
3	0.04	19	6191	99.71	15	1.4	334	3118	50.22	27	50.0	53	127	2.05
4	0.05	74	6172	99.40	16	1.8	466	2784	44.84	28	67.0	34	74	1.19
5	0.07	82	6098	98.21	17	2.5	386	2318	37.33	29	91.0	21	40	0.64
6	0.09	170	6016	96.89	18	3.3	371	1932	31.12	30	120.0	11	19	0.31
7	0.12	274	5846	94.15	19	4.5	341	1561	25.14	31	170.0	5	8	0.13
8	0.16	336	5572	89.74	20	6.1	266	1220	19.65	32	220.0	0	3	0.05
9	0.22	309	5236	84.33	21	8.2	194	954	15.36	33	300.0	1	3	0.05
10	0.30	323	4927	79.35	22	11.0	192	760	12.24	34	410.0	2	2	0.03
11	0.41	284	4604	74.15	23	15.0	147	568	9.15					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.11  
P90 = 0.16  
P75 = 0.39  
P70 = 0.54  
P50 = 1.4  
P25 = 4.5  
P10 = 13.9



## 03351400 SUGAR CREEK NEAR MIDDLETOWN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	0.27 13	0.30 13	0.36 13	0.41 13	0.53 13	1.40 15	1.40 14	3.30 15	3.40 14
1971	0.05 6	0.05 5	0.06 5	0.08 5	0.10 4	0.12 4	0.13 3	0.14 2	0.22 2
1972	0.08 7	0.10 8	0.11 9	0.11 8	0.18 11	0.37 11	0.46 10	0.52 9	1.80 10
1973	0.02 1	0.02 1	0.02 1	0.03 1	0.04 1	0.14 5	0.22 6	0.43 8	1.30 8
1974	0.10 9	0.10 9	0.10 8	0.13 9	0.15 8	0.17 7	0.23 7	0.63 12	2.00 12
1975	0.18 12	0.18 12	0.20 12	0.23 12	0.28 12	0.39 12	0.46 11	0.53 10	1.90 11
1976	0.03 2	0.07 6	0.08 6	0.09 6	0.11 6	0.16 6	0.17 4	0.21 3	0.30 3
1977	0.03 3	0.03 2	0.04 2	0.05 3	0.06 2	0.08 1	0.10 1	0.11 1	0.11 1
1978	0.03 4	0.03 3	0.04 3	0.04 2	0.17 10	0.26 10	0.49 12	0.60 11	1.40 9
1979	0.30 14	0.33 14	0.39 14	0.44 14	0.57 14	1.10 13	1.40 15	3.10 14	3.50 15
1980	0.72 16	0.83 16	0.86 16	1.00 16	1.19 16	1.70 16	2.70 16	5.30 16	5.50 16
1981	0.12 10	0.13 10	0.13 10	0.14 10	0.16 9	0.24 9	0.27 9	0.27 4	0.63 5
1982	0.50 15	0.52 15	0.55 15	0.56 15	0.67 15	1.10 14	1.19 13	1.40 13	3.10 13
1983	0.09 8	0.09 7	0.09 7	0.10 7	0.10 5	0.11 3	0.18 5	0.29 5	0.61 4
1984	0.05 5	0.05 4	0.05 4	0.06 4	0.07 3	0.09 2	0.12 2	0.30 6	1.19 7
1985	0.13 11	0.13 11	0.13 11	0.14 11	0.15 7	0.18 8	0.23 8	0.36 7	0.89 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	123.00 8	88.00 6	50.00 7	37.00 6	26.00 8	15.00 8	11.00 9	11.00 9	10.00 7
1970	73.00 17	43.00 16	25.00 16	15.00 16	11.00 16	11.00 13	10.00 13	8.20 14	7.20 13
1971	96.00 14	57.00 15	49.00 8	31.00 9	20.00 10	11.00 14	9.10 15	7.90 15	6.60 15
1972	110.00 12	86.00 7	46.00 9	29.00 10	20.00 11	14.00 11	11.00 10	10.00 10	10.00 8
1973	122.00 9	72.00 11	41.00 13	36.00 7	27.00 7	19.00 6	15.00 6	14.00 4	15.00 2
1974	135.00 7	97.00 4	62.00 5	47.00 5	30.00 3	22.00 3	20.00 2	19.00 2	14.00 3
1975	443.00 1	198.00 1	107.00 1	59.00 1	38.00 1	28.00 1	26.00 1	25.00 1	19.00 1
1976	122.00 10	69.00 12	37.00 14	27.00 11	22.00 9	15.00 9	11.00 11	8.80 12	7.90 12
1977	79.00 16	39.00 17	20.00 17	12.00 17	7.20 17	6.70 17	5.70 17	5.50 17	3.80 17
1978	303.00 2	149.00 3	79.00 3	51.00 2	31.00 2	20.00 4	16.00 5	12.00 6	9.80 10
1979	179.00 5	89.00 5	79.00 4	49.00 3	29.00 4	17.00 7	13.00 7	11.00 7	12.00 4
1980	167.00 6	74.00 10	44.00 11	24.00 14	15.00 15	11.00 15	10.00 12	9.90 11	8.50 11
1981	110.00 13	64.00 13	42.00 12	25.00 12	17.00 14	11.00 16	9.70 14	8.70 13	6.90 14
1982	208.00 3	82.00 8	51.00 6	33.00 8	28.00 6	24.00 2	19.00 3	16.00 3	11.00 5
1983	121.00 11	82.00 9	45.00 10	24.00 15	18.00 12	12.00 12	8.60 16	7.20 16	5.80 16
1984	87.00 15	61.00 14	34.00 15	25.00 13	17.00 13	14.00 10	13.00 8	11.00 8	10.00 9
1985	204.00 4	158.00 2	85.00 2	48.00 4	29.00 5	20.00 5	16.00 4	13.00 5	11.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	6.40 11
1971	3.30 4
1972	4.50 5
1973	8.60 15
1974	8.00 12
1975	9.60 16
1976	5.90 7
1977	2.20 2
1978	5.10 6
1979	6.10 8
1980	8.20 13
1981	2.70 3
1982	8.40 14
1983	2.00 1
1984	6.30 10
1985	6.10 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	6.50 5
1970	4.10 13
1971	3.50 15
1972	5.30 11
1973	8.80 2
1974	8.70 3
1975	9.50 1
1976	4.30 12
1977	2.00 17
1978	6.50 6
1979	7.80 4
1980	6.10 7
1981	3.80 14
1982	6.10 8
1983	3.30 16
1984	5.70 9
1985	5.70 10

03351400 SUGAR CREEK NEAR MIDDLETOWN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	0.17	0.98	4.14	18.20	10.00	2.32	11.10	2.96	14.00	8.18	4.82	1.58
1970	2.04	7.07	3.60	3.23	7.69	10.40	10.60	1.78	2.23	0.43	0.17	0.14
1971	0.10	0.16	0.37	1.56	17.40	6.15	0.69	6.79	8.16	0.59	0.18	0.86
1972	0.68	0.52	17.30	7.88	2.58	7.40	19.90	4.79	1.29	0.38	0.17	0.44
1973	1.01	22.90	14.10	7.80	6.41	24.00	12.90	1.44	9.93	2.92	1.62	0.18
1974	0.17	3.29	14.40	25.30	8.24	15.20	12.80	4.75	13.10	5.69	0.42	0.91
1975	0.29	0.52	6.44	22.00	34.00	16.10	27.40	6.56	2.06	0.23	0.36	0.12
1976	0.21	0.22	1.94	10.90	15.40	6.66	0.83	4.48	3.54	7.61	0.17	0.08
1977	0.12	0.14	0.13	0.06	4.05	5.21	6.08	6.11	0.57	0.17	0.95	0.79
1978	4.66	1.43	11.20	1.07	0.81	26.20	10.40	8.67	1.80	1.08	8.46	1.58
1979	3.64	4.46	6.77	4.79	10.80	11.20	8.82	1.90	5.78	17.60	15.60	1.57
1980	1.80	14.10	8.13	4.45	4.55	14.00	5.47	3.81	12.70	0.74	2.72	0.32
1981	0.28	0.35	0.30	0.19	3.91	1.93	4.53	16.50	3.01	9.02	3.87	1.40
1982	1.49	1.34	4.34	19.00	18.00	18.60	4.87	1.71	3.71	0.41	0.67	0.11
1983	0.11	0.43	5.05	1.79	3.49	2.24	9.77	12.30	2.87	1.81	0.12	0.07
1984	0.54	8.51	12.70	1.37	10.80	14.50	13.90	4.32	1.04	0.38	0.17	0.29
1985	0.68	3.17	9.40	5.09	23.30	12.40	7.74	5.50	1.53	0.30	0.23	0.21

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.17	0.39	2.77	1.46	3.98	5.68
FIFTIETH PERCENTILE					
0.54	1.34	6.44	4.79	8.24	11.20
SEVENTY FIFTH PERCENTILE					
1.64	5.76	12.00	14.50	16.39	15.60

APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
5.17	2.43	1.66	0.38	0.17	0.13
FIFTIETH PERCENTILE					
9.77	4.75	3.01	0.74	0.42	0.32
SEVENTY FIFTH PERCENTILE					
12.90	6.67	9.04	6.65	3.29	1.15

## 03351500 FALL CREEK NEAR FORTVILLE, IN

LOCATION.--Lat 39°57'15", long 85°52'05", in NW¼NE¼ sec.5, T.17 N., R.6 E., Hamilton County, Hydrologic Unit 05120201, on right bank 100 ft downstream from bridge on State Highway 238, 0.2 mi downstream from Lick Creek, 2 mi northwest of Fortville, and at mile 26.1.

DRAINAGE AREA.--169 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1941 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 787.43 ft above National Geodetic Vertical Datum of 1929 (levels by Indianapolis Water Co.). Prior to June 27, 1942, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 166 ft<sup>3</sup>/s, 13.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,750 ft<sup>3</sup>/s Apr. 21, 1964, gage height, 9.88 ft; minimum daily, 5.0 ft<sup>3</sup>/s Sept. 23, 24, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 12 ft March 1913 (information by local resident).

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1942		1	1			1	3	24	34	78	28	32	24	25	16	26	18	10	6	8	7	5	3	3	4	4	3	1								1	
1943									16	30	28	28	26	49	37	44	24	20	19	10	7	3	8	5	2	2	2	1		3							
1944									19	35	66	72	38	13	12	6	16	18	17	15	9	8	3	7	5	1	3	1				1	1				
1945									8	72	51	14	19	23	23	20	36	23	17	13	9	8	5	7	7	4	1	3	2								
1946									9	14	13	19	32	33	35	59	29	19	22	26	21	6	8	5	5	7	2		1								
1947									15	13	35	27	28	50	29	35	25	23	30	15	13	8	5	7	1	3	1	2									
1948									10	27	34	28	64	46	20	22	15	16	20	15	9	6	9	4	5	3	5	1	1	5	1						
1949									37	33	23	15	25	33	36	47	27	21	15	15	15	3	7	3	1	3	5		1								
1950									2	36	43	35	19	7	28	22	25	33	29	25	12	6	9	9	7	3	5	1	4	2	2	1					
1951									2	30	13	8	33	29	21	17	34	31	29	27	22	14	10	14	12	7	7	3				2					
1952									12	44	20	32	20	20	21	13	38	28	17	29	21	13	12	5	11	2	3	3	1	1							
1953									7	23	30	34	27	17	42	55	54	23	12	13	7	5	2	3	5	2	2	1			1						
1954									12	12	34	47	69	32	30	33	27	17	16	6	9	5	4	2	2	4	1	1									
1955									3	15	12	20	9	29	59	33	31	30	13	22	22	17	19	8	6	9	2	1	3	2							
1956									12	23	20	12	21	32	43	28	39	26	18	29	13	17	8	6	5	4	3	1	1	2	1	2					
1957									17	21	23	28	32	27	26	31	32	17	13	16	21	12	9	8	6	7	5	6	4	3			1				
1958									4	10	5	6	37	63	53	44	32	19	24	11	10	11	8	10	3	3	3	3	2	1	1	2					
1959									9	18	23	27	36	47	24	29	25	24	25	24	15	15	7	7	2	3		1	3	1							
1960									23	18	26	23	29	60	60	43	21	16	13	7	10	5	4	3	3	1	1										
1961										97	49	22	27	23	17	22	17	6	16	12	10	9	6	12	5	4	5	2	1	2					1		
1962									7	29	44	31	46	36	45	35	21	18	15	8	7	7	4	3	3	2	2	1		1							
1963									3	9	12	6	26	87	70	23	15	19	28	9	6	11	9	11	6	3	4	3		2	1	1		1			
1964									9	27	54	54	41	27	14	15	25	20	12	13	11	8	5	5	6	4	5	3	1	2	1	1	2			1	
1965									21	43	58	38	26	23	23	24	19	18	15	13	9	7	6	5	10	2	3		2								
1966									16	18	26	18	38	60	47	46	28	21	19	10	3	5	5	2	2		1										
1967									2	20	47	29	17	13	14	20	29	18	45	17	15	22	16	10	8	10	5	5		1	2						
1968									4	6	9	39	44	17	27	60	38	21	18	21	13	13	8	6	5	4	3	4	2	1	3						
1969									2	29	21	27	47	40	55	43	21	18	21	8	8	4	9	1	2	4	2	1	2								
1970									12	25	22	23	43	30	41	32	42	25	22	13	13	6	8	3		2	1	2									
1971									15	29	46	67	43	49	24	22	10	9	14	15	7	1	6	2	1	1	1	1	2	1							
1972									1	25	32	40	37	27	25	32	36	30	20	15	12	7	7	8	6	1	3		2								
1973									3	29	27	23	17	16	35	38	24	46	37	20	14	11	9	6	7	1	2										
1974										18	24	40	27	20	34	43	33	34	27	15	13	10	7	4	6	5	3	2									
1975									24	22	52	28	26	14	16	36	29	30	22	21	12	9	8	5	4	3	1	1	1			1					
1976										43	34	35	48	43	42	21	21	12	19	11	7	9	5	4	5	3	2	2									
1977									4	5	19	40	90	41	33	19	20	22	27	10	10	10	6	4	2	1	1		1								
1978										10	56	85	40	30	15	20	28	23	11	8	9	6	8	9	6	4	6	2	1	2	1						
1979										4	19	39	55	66	38	27	38	18	19	7	7	4	4	5	7		5	2	1								
1980										1	16	27	39	40	68	34	29	25	22	15	14	9	8	9	5	2	2		1								
1981										10	65	74	40	28	24	34	23	15	14	15	6	2	7	3	1	1		2								1	
1982										21	23	52	38	37	26	37	17	16	22	13	8	9	6	9	1	7	3	3	1								
1983										3	15	25	16	47	14	17	34	45	39	42	17	10	11	8	7	6	4	2	1		1	1					
1984										4	10	23	34	31	25	22	22	30	21	27	30	24	13	16	14	9	3	4	2	2							
1985										14	22	23	27	28	23	30	44	35	27	27	17	14	8	9	4	6	2	1	2							2	

## 03351500 FALL CREEK NEAR FORTVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	16071	100.00	12	53.0	1305	10942	68.09	24	710.0	169	563	3.50
1	5.0	0	16071	100.00	13	66.0	1405	9637	59.97	25	880.0	132	394	2.45
2	6.2	1	16071	100.00	14	82.0	1273	8232	51.22	26	1100.0	98	262	1.63
3	7.7	1	16070	99.99	15	100.0	1530	6959	43.30	27	1400.0	60	164	1.02
4	9.5	3	16069	99.99	16	130.0	1090	5429	33.78	28	1700.0	36	104	0.65
5	12.0	56	16066	99.97	17	160.0	825	4339	27.00	29	2100.0	38	68	0.42
6	15.0	107	16010	99.62	18	190.0	893	3514	21.87	30	2600.0	15	30	0.19
7	18.0	336	15903	98.95	19	240.0	689	2621	16.31	31	3200.0	8	15	0.09
8	23.0	668	15567	96.86	20	300.0	485	1932	12.02	32	4000.0	5	7	0.04
9	28.0	1259	14899	92.71	21	370.0	342	1447	9.00	33	4900.0	0	2	0.01
10	35.0	1353	13640	84.87	22	460.0	287	1105	6.88	34	6100.0	2	2	0.01
11	43.0	1345	12287	76.45	23	570.0	255	818	5.09					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	25.2
P90 =	30.4
P75 =	44.7
P70 =	50.7
P50 =	84.8
P25 =	172.0
P10 =	347.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1943	20.00 12	21.00 13	21.00 13	24.00 14	28.00 17	30.00 16	35.00 17	35.00 12	43.00 11
1944	29.00 30	30.00 30	32.00 30	33.00 29	34.00 27	35.00 23	37.00 20	42.00 21	45.00 15
1945	18.00 8	19.00 10	20.00 9	21.00 10	23.00 10	24.00 8	25.00 6	26.00 3	26.00 1
1946	37.00 35	38.00 36	39.00 36	48.00 39	50.00 38	73.00 41	77.00 39	132.00 42	126.00 39
1947	25.00 20	25.00 21	26.00 20	26.00 17	27.00 16	30.00 17	34.00 14	39.00 16	58.00 20
1948	37.00 36	37.00 35	38.00 35	39.00 34	49.00 36	54.00 35	57.00 34	58.00 32	89.00 35
1949	23.00 18	24.00 18	25.00 18	28.00 20	29.00 18	32.00 18	34.00 15	39.00 17	65.00 25
1950	28.00 26	29.00 28	30.00 28	33.00 30	40.00 31	52.00 33	49.00 31	54.00 31	60.00 21
1951	39.00 37	40.00 37	43.00 37	46.00 37	52.00 39	57.00 36	64.00 37	70.00 36	135.00 40
1952	21.00 15	22.00 16	24.00 17	25.00 16	25.00 13	26.00 11	30.00 11	35.00 13	62.00 23
1953	21.00 16	21.00 14	22.00 14	22.00 11	27.00 14	28.00 14	39.00 21	40.00 18	48.00 16
1954	20.00 13	20.00 11	21.00 10	22.00 12	23.00 11	24.00 9	26.00 8	30.00 8	36.00 6
1955	13.00 5	13.00 4	13.00 3	14.00 3	15.00 1	23.00 7	23.00 2	28.00 5	34.00 5
1956	11.00 1	11.00 1	12.00 1	12.00 1	15.00 2	21.00 5	32.00 13	50.00 28	68.00 26
1957	18.00 9	18.00 8	19.00 8	19.00 8	20.00 7	23.00 6	25.00 7	27.00 4	37.00 7
1958	32.00 32	32.00 31	34.00 32	37.00 32	48.00 35	53.00 34	61.00 35	78.00 38	163.00 42
1959	59.00 42	60.00 42	62.00 42	64.00 42	65.00 41	71.00 39	81.00 40	99.00 39	161.00 41
1960	25.00 21	25.00 19	26.00 19	27.00 18	30.00 21	35.00 24	41.00 24	48.00 25	68.00 27
1961	28.00 27	28.00 24	28.00 24	30.00 24	31.00 22	32.00 19	35.00 16	35.00 14	39.00 9
1962	28.00 28	28.00 25	29.00 25	29.00 23	34.00 28	45.00 32	46.00 28	53.00 30	60.00 22
1963	24.00 19	25.00 20	27.00 21	28.00 21	32.00 23	35.00 25	41.00 25	44.00 23	44.00 12
1964	14.00 7	14.00 5	15.00 4	15.00 4	17.00 6	19.00 4	23.00 3	24.00 2	29.00 3
1965	21.00 14	22.00 15	22.00 15	24.00 15	27.00 15	27.00 12	29.00 10	31.00 9	44.00 13
1966	19.00 10	19.00 9	21.00 11	21.00 9	22.00 8	27.00 13	31.00 12	34.00 11	37.00 8
1967	12.00 2	12.00 2	12.00 2	14.00 2	15.00 3	18.00 1	19.00 1	20.00 1	28.00 2
1968	13.00 6	14.00 6	15.00 5	16.00 5	17.00 4	19.00 2	24.00 4	29.00 6	41.00 10
1969	32.00 33	33.00 33	36.00 33	39.00 35	40.00 32	41.00 28	49.00 32	68.00 35	80.00 32
1970	41.00 39	42.00 38	45.00 39	51.00 40	56.00 40	73.00 40	81.00 41	115.00 40	121.00 38
1971	23.00 17	23.00 17	24.00 16	27.00 19	29.00 19	32.00 20	36.00 18	39.00 15	45.00 14
1972	26.00 22	27.00 22	28.00 22	31.00 25	32.00 24	42.00 30	46.00 29	48.00 26	68.00 28
1973	27.00 23	28.00 26	29.00 26	31.00 26	33.00 25	41.00 29	49.00 33	52.00 29	87.00 33
1974	34.00 34	34.00 34	36.00 34	38.00 33	42.00 33	43.00 31	48.00 30	59.00 33	79.00 31
1975	46.00 41	47.00 41	47.00 40	48.00 38	50.00 37	59.00 37	67.00 38	71.00 37	102.00 36
1976	29.00 29	30.00 29	32.00 29	32.00 28	33.00 26	34.00 22	39.00 22	42.00 19	53.00 18
1977	19.00 11	20.00 12	21.00 12	22.00 13	24.00 12	26.00 10	28.00 9	30.00 7	32.00 4
1978	12.00 3	13.00 3	15.00 6	17.00 7	23.00 9	29.00 15	39.00 23	47.00 24	70.00 29
1979	44.00 40	45.00 40	50.00 41	53.00 41	67.00 42	85.00 42	90.00 42	116.00 41	117.00 37
1980	61.00 43	63.00 43	67.00 43	71.00 43	76.00 43	90.00 43	115.00 43	163.00 43	174.00 43
1981	30.00 31	32.00 32	33.00 31	35.00 31	38.00 30	40.00 27	44.00 27	43.00 22	63.00 24
1982	40.00 38	42.00 39	43.00 38	43.00 36	45.00 34	60.00 38	61.00 36	68.00 34	87.00 34
1983	27.00 24	28.00 27	28.00 23	29.00 22	30.00 20	32.00 21	37.00 19	42.00 20	57.00 19
1984	12.00 4	14.00 7	15.00 7	16.00 6	17.00 5	19.00 3	24.00 5	31.00 10	52.00 17
1985	27.00 25	27.00 23	29.00 27	31.00 27	36.00 29	38.00 26	43.00 26	49.00 27	77.00 30

## 03351500 FALL CREEK NEAR FORTVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1942	1690.00 32	1150.00 36	729.00 36	625.00 31	426.00 33	346.00 31	307.00 29	254.00 34	194.00 36
1943	6100.00 2	3540.00 2	2080.00 3	1320.00 4	794.00 7	481.00 16	409.00 13	348.00 15	274.00 21
1944	3380.00 8	2480.00 10	1460.00 12	913.00 13	613.00 15	446.00 17	354.00 20	296.00 24	207.00 34
1945	1660.00 33	1480.00 24	901.00 25	565.00 33	393.00 34	308.00 34	273.00 34	279.00 27	220.00 29
1946	1740.00 30	1150.00 37	705.00 39	555.00 34	379.00 37	299.00 36	301.00 31	271.00 28	259.00 23
1947	1460.00 39	1130.00 38	669.00 40	444.00 41	356.00 39	333.00 32	287.00 33	268.00 29	235.00 27
1948	3050.00 13	1950.00 16	1510.00 9	1100.00 7	1010.00 2	630.00 5	510.00 6	435.00 6	338.00 7
1949	2150.00 24	1410.00 27	883.00 28	799.00 19	671.00 13	515.00 10	429.00 10	372.00 12	295.00 16
1950	4050.00 6	2930.00 5	1800.00 5	1620.00 1	1260.00 1	971.00 1	782.00 1	656.00 1	516.00 1
1951	2870.00 15	2180.00 12	1290.00 16	947.00 10	592.00 17	482.00 15	426.00 11	395.00 9	352.00 5
1952	1830.00 28	1240.00 32	764.00 35	732.00 21	497.00 23	427.00 19	401.00 14	360.00 13	287.00 20
1953	2420.00 20	1310.00 30	720.00 38	445.00 40	278.00 42	250.00 41	220.00 40	194.00 40	183.00 39
1954	1070.00 42	804.00 42	499.00 42	454.00 39	334.00 40	214.00 42	173.00 42	147.00 42	111.00 42
1955	1030.00 43	825.00 41	536.00 41	385.00 42	330.00 41	253.00 40	224.00 39	207.00 39	167.00 41
1956	2710.00 16	1970.00 15	1180.00 20	692.00 25	465.00 29	377.00 23	310.00 28	329.00 19	248.00 25
1957	3280.00 9	2130.00 13	1350.00 14	886.00 15	712.00 11	588.00 7	580.00 2	485.00 3	365.00 2
1958	4540.00 3	3220.00 3	2740.00 1	1560.00 2	945.00 3	771.00 2	569.00 3	489.00 2	364.00 3
1959	3100.00 11	2410.00 11	1320.00 15	785.00 20	731.00 9	525.00 9	415.00 12	389.00 10	304.00 14
1960	1530.00 36	1170.00 35	901.00 26	555.00 35	436.00 31	306.00 35	272.00 35	250.00 36	209.00 33
1961	4460.00 5	2650.00 6	1920.00 4	1170.00 6	847.00 4	648.00 4	554.00 4	469.00 4	334.00 8
1962	2440.00 19	1540.00 22	835.00 30	566.00 32	434.00 32	362.00 29	315.00 25	265.00 31	206.00 35
1963	4500.00 4	3010.00 4	1630.00 8	972.00 9	722.00 10	486.00 14	367.00 19	294.00 25	212.00 31
1964	6950.00 1	4290.00 1	2410.00 2	1410.00 3	846.00 5	729.00 3	532.00 5	418.00 8	308.00 13
1965	1490.00 38	1210.00 33	727.00 37	533.00 36	439.00 30	363.00 28	334.00 23	283.00 26	212.00 32
1966	676.00 44	438.00 44	298.00 44	192.00 44	147.00 44	110.00 44	111.00 44	104.00 44	93.00 44
1967	2070.00 25	1780.00 19	1120.00 21	655.00 28	385.00 35	283.00 38	271.00 36	251.00 35	243.00 26
1968	2550.00 17	1940.00 17	1490.00 10	885.00 16	514.00 22	370.00 26	313.00 27	311.00 21	292.00 17
1969	2260.00 21	1910.00 18	1190.00 18	937.00 11	582.00 18	412.00 22	317.00 24	306.00 23	254.00 24
1970	1520.00 37	1190.00 34	804.00 32	519.00 37	359.00 38	294.00 37	294.00 32	258.00 32	222.00 28
1971	2170.00 23	1430.00 25	1080.00 23	707.00 23	516.00 21	350.00 30	255.00 38	226.00 38	186.00 38
1972	2010.00 26	1520.00 23	897.00 27	637.00 29	496.00 24	367.00 27	314.00 26	268.00 30	272.00 22
1973	1610.00 35	1300.00 31	764.00 33	629.00 30	550.00 19	420.00 21	347.00 22	310.00 22	328.00 10
1974	2010.00 27	1430.00 26	1050.00 24	819.00 18	545.00 20	446.00 18	391.00 15	379.00 11	334.00 9
1975	3720.00 7	2570.00 7	1420.00 13	893.00 14	625.00 14	506.00 11	462.00 8	441.00 5	355.00 4
1976	1630.00 34	1050.00 40	764.00 34	657.00 27	495.00 25	376.00 24	303.00 30	258.00 33	217.00 30
1977	1190.00 41	691.00 43	488.00 43	338.00 43	225.00 43	192.00 43	167.00 43	140.00 43	104.00 43
1978	3010.00 14	2490.00 8	1680.00 6	1250.00 5	830.00 6	551.00 8	435.00 9	353.00 14	319.00 12
1979	3170.00 10	2120.00 14	1650.00 7	1090.00 8	690.00 12	492.00 12	374.00 18	328.00 20	343.00 6
1980	2520.00 18	1680.00 21	1120.00 22	702.00 24	476.00 28	372.00 25	351.00 21	340.00 17	289.00 19
1981	2260.00 22	1730.00 20	1180.00 19	709.00 22	483.00 26	324.00 33	257.00 37	228.00 37	192.00 37
1982	1700.00 31	1360.00 29	1270.00 17	935.00 12	778.00 8	592.00 6	486.00 7	432.00 7	327.00 11
1983	1810.00 29	1390.00 28	842.00 29	501.00 38	384.00 36	277.00 39	214.00 41	186.00 41	168.00 40
1984	1420.00 40	1070.00 39	824.00 31	661.00 26	479.00 27	423.00 20	380.00 17	339.00 18	297.00 15
1985	3060.00 12	2480.00 9	1480.00 11	884.00 17	609.00 16	490.00 13	391.00 16	342.00 16	291.00 18

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1943	115.00 9
1944	152.00 20
1945	119.00 12
1946	207.00 33
1947	124.00 13
1948	202.00 31
1949	221.00 36
1950	262.00 41
1951	234.00 38
1952	182.00 27
1953	111.00 6
1954	96.00 3
1955	106.00 5
1956	140.00 18
1957	116.00 10
1958	271.00 42
1959	301.00 43
1960	160.00 21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1942	115.00 39
1943	169.00 23
1944	122.00 36
1945	135.00 31
1946	182.00 20
1947	153.00 26
1948	195.00 11
1949	185.00 16
1950	298.00 1
1951	214.00 7
1952	168.00 24
1953	120.00 37
1954	70.00 43
1955	104.00 41
1956	180.00 21
1957	209.00 9
1958	278.00 2
1959	187.00 13

## 03351500 FALL CREEK NEAR FORTVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	125.00	14
1962	208.00	34
1963	118.00	11
1964	114.00	8
1965	172.00	24
1966	93.00	2
1967	113.00	7
1968	152.00	19
1969	186.00	28
1970	177.00	26
1971	129.00	15
1972	129.00	16
1973	219.00	35
1974	200.00	30
1975	237.00	39
1976	162.00	22
1977	86.00	1
1978	165.00	23
1979	206.00	32
1980	243.00	40
1981	133.00	17
1982	230.00	37
1983	98.00	4
1984	173.00	25
1985	191.00	29

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	149.00	27
1961	187.00	14
1962	134.00	32
1963	127.00	33
1964	169.00	22
1965	123.00	34
1966	61.00	44
1967	141.00	30
1968	184.00	18
1969	185.00	17
1970	145.00	28
1971	117.00	38
1972	167.00	25
1973	218.00	6
1974	220.00	4
1975	208.00	10
1976	142.00	29
1977	72.00	42
1978	219.00	5
1979	245.00	3
1980	213.00	8
1981	123.00	35
1982	193.00	12
1983	105.00	40
1984	186.00	15
1985	182.00	19

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
	*	*	*	*	*	*	*	*	*	*	*	*
1941									28.40	10.80	7.72	
1942	22.30	41.30	41.50	31.80	255.00	368.00	280.00	113.00	129.00	35.80	31.50	49.80
1943	27.60	62.00	103.00	95.20	148.00	315.00	101.00	741.00	198.00	93.60	67.20	63.80
1944	37.50	57.10	39.80	34.20	101.00	287.00	593.00	156.00	73.90	29.90	37.50	23.20
1945	24.30	30.10	27.80	25.40	103.00	308.00	301.00	173.00	324.00	82.30	84.00	143.00
1946	223.00	129.00	220.00	217.00	229.00	357.00	115.00	367.00	133.00	107.00	52.00	30.90
1947	30.10	44.80	86.70	241.00	127.00	145.00	304.00	239.00	266.00	213.00	86.60	56.90
1948	56.30	56.50	67.00	278.00	239.00	560.00	649.00	186.00	116.00	71.30	38.20	30.30
1949	33.80	105.00	177.00	651.00	342.00	268.00	156.00	123.00	185.00	69.50	61.20	50.80
1950	64.20	42.10	94.00	1210.0	720.00	393.00	284.00	170.00	308.00	183.00	54.40	78.20
1951	59.20	216.00	293.00	325.00	577.00	294.00	398.00	156.00	86.30	132.00	36.20	25.50
1952	30.30	62.10	192.00	337.00	346.00	388.00	341.00	123.00	76.40	37.60	26.70	67.80
1953	36.00	46.90	98.90	115.00	95.80	268.00	109.00	270.00	74.20	230.00	60.40	24.20
1954	25.90	32.20	38.60	55.20	71.20	154.00	264.00	77.20	41.70	34.70	33.30	15.60
1955	44.40	38.00	62.90	190.00	157.00	317.00	150.00	71.40	102.00	53.20	23.40	36.60
1956	127.00	338.00	104.00	58.30	442.00	191.00	293.00	350.00	163.00	62.40	31.70	23.10
1957	23.80	30.80	71.80	117.00	133.00	93.20	616.00	399.00	711.00	199.00	68.10	55.90
1958	79.80	142.00	552.00	189.00	101.00	133.00	109.00	274.00	888.00	363.00	406.00	84.90
1959	68.30	139.00	102.00	423.00	494.00	278.00	254.00	287.00	98.50	54.70	42.00	31.40
1960	90.60	117.00	163.00	256.00	355.00	176.00	147.00	145.00	113.00	113.00	57.70	35.00
1961	30.90	38.40	37.20	39.30	93.10	616.00	672.00	331.00	208.00	70.20	57.50	50.60
1962	41.20	76.80	68.70	353.00	233.00	338.00	108.00	107.00	83.50	129.00	38.30	33.60
1963	51.70	54.10	40.90	48.50	49.50	660.00	276.00	139.00	78.70	58.90	36.00	19.00
1964	20.10	31.70	24.20	43.40	42.10	588.00	829.00	159.00	72.40	157.00	37.60	27.70
1965	27.10	35.90	51.20	131.00	257.00	293.00	431.00	112.00	53.50	38.10	24.80	36.70
1966	41.90	39.00	45.30	93.40	128.00	84.50	89.90	116.00	41.70	24.70	18.50	18.60
1967	20.20	55.30	371.00	124.00	155.00	319.00	222.00	257.00	87.60	40.50	23.50	16.80
1968	36.50	48.30	327.00	220.00	390.00	159.00	265.00	371.00	169.00	55.90	134.00	42.60
1969	41.20	104.00	217.00	495.00	221.00	109.00	304.00	123.00	178.00	213.00	142.00	73.20
1970	101.00	188.00	133.00	187.00	259.00	230.00	302.00	129.00	92.60	60.20	40.90	30.30
1971	38.90	48.10	56.20	66.10	514.00	204.00	70.30	135.00	157.00	60.00	34.70	52.80
1972	58.40	46.30	385.00	205.00	94.20	245.00	487.00	202.00	121.00	62.80	43.50	48.20
1973	54.80	442.00	299.00	214.00	194.00	463.00	355.00	143.00	243.00	86.90	83.10	42.40
1974	45.30	105.00	287.00	484.00	249.00	284.00	309.00	192.00	337.00	192.00	71.90	84.70
1975	49.80	79.30	189.00	366.00	602.00	401.00	377.00	209.00	119.00	56.50	45.00	34.70
1976	42.00	54.10	119.00	235.00	424.00	247.00	86.30	85.10	148.00	204.00	44.20	31.20
1977	35.80	32.70	30.20	24.40	146.00	172.00	144.00	92.50	39.80	25.50	54.10	77.40
1978	157.00	73.70	445.00	105.00	76.10	674.00	356.00	244.00	81.60	101.00	190.00	104.00
1979	98.60	131.00	193.00	219.00	338.00	418.00	337.00	115.00	140.00	377.00	467.00	104.00
1980	78.70	288.00	257.00	168.00	158.00	421.00	275.00	182.00	414.00	82.40	184.00	53.90
1981	42.00	45.00	49.50	37.90	167.00	71.20	130.00	450.00	159.00	153.00	100.00	72.40
1982	64.60	65.20	138.00	336.00	572.00	538.00	232.00	103.00	136.00	63.40	57.50	34.80
1983	29.70	55.90	175.00	93.30	108.00	86.10	238.00	304.00	69.60	54.30	23.00	16.80
1984	46.20	199.00	325.00	85.30	298.00	418.00	408.00	221.00	94.50	58.30	37.80	44.50
1985	57.50	175.00	238.00	199.00	449.00	332.00	332.00	190.00	104.00	53.10	46.10	29.70

03351500 FALL CREEK NEAR FORTVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
30.40	42.80	52.40	70.90	113.00	180.00
FIFTIETH PERCENTILE					
42.00	56.80	112.00	188.00	225.00	294.00
SEVENTY FIFTH PERCENTILE					
62.90	126.00	234.00	273.00	353.00	399.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
148.00	123.00	82.10	53.70	35.30	28.70
FIFTIETH PERCENTILE					
282.00	172.00	125.00	69.50	45.00	36.70
SEVENTY FIFTH PERCENTILE					
356.00	267.00	183.00	143.00	70.00	60.30

## 03352000 LAWRENCE CREEK AT FORT BENJAMIN HARRISON, IN

LOCATION.--Lat 39°52'09", long 86°01'25", in S½ sec.36, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank 100 ft upstream from Shafter Avenue bridge in Fort Benjamin Harrison, 600 ft east of sewage disposal plant, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--2.74 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1952 to September 1956, October 1957 to September 1969 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 749.10 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 5.28 ft<sup>3</sup>/s, 26.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,650 ft<sup>3</sup>/s May 28, 1956, gage height, 9.32 ft; minimum daily, 0.1 ft<sup>3</sup>/s Aug. 1, 2, 1952, Oct. 29, 30, 1953.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1953		4		9	8	7	8	36	12	19	29	54	44	39	21	11	17	9	10	7	4	6	4	1	2			1		1	2				
1954		16		23	32	48	22	85	29	14	8	6	6	6	7	13	13	14	8	3	3	2	3	1			1	1				1			
1955					2	29	29	39	28	37	19	29	43	21	28	15	10	8	10	6	3	3	5	1											
1956					10	5	5	9	19	8	17	51	26	29	50	39	24	21	13	8	7	6	2	5	1	1	2	1	2		1	1	1	1	1
1958									11	6	1	14	41	53	44	43	29	23	19	11	15	5	10	4	7	7	5	4	4	2	4	2	1		
1959									9	23	35	32	28	44	29	38	26	20	22	21	14	12	1	3	2	1	2	1						1	1
1960									6	15	8	31	21	65	40	58	28	24	19	14	8	8	5	2	3	1	5	1	3		1				
1961																																			
1962				6	4	3	7	16	16	17	28	41	62	21	29	17	13	14	13	8	8	9	9	7	3	2	5	2		2	1	1			1
1963											24	42	37	63	39	36	29	24	15	16	10	6	5	6	5	1	2	1	1	2					
1964											2	10	29	74	86	71	26	10	10	10	13	5	3	6	1	2	3		1	1	1				1
1965											7	19	54	46	70	53	41	17	9	8	6	4	2	6	5	5	1	2	3		1	3		2	2
1966																																			
1967												30	63	82	45	28	21	36	17	18	7	9	2	1	2	2			1	1					
1968											5	8	24	60	35	61	36	40	37	19	11	5	11	3	3		1	2	1	2		1			
1969													2	33	33	77	66	70	36	24	7	2	1		5	2	1	4	3						
													31	16	41	74	88	39	22	13	9	3	7	8	2	3	3		3	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	2.0	779	4041	69.15	24	25.0	27	162	2.77
1	0.20	23	5844	100.00	13	2.5	561	3262	55.82	25	30.0	29	135	2.31
2	0.25	0	5821	99.61	14	3.0	647	2701	46.22	26	37.0	32	106	1.81
3	0.30	39	5821	99.61	15	3.8	462	2054	35.15	27	46.0	19	74	1.27
4	0.38	60	5782	98.94	16	4.6	453	1592	27.24	28	57.0	14	55	0.94
5	0.46	95	5722	97.91	17	5.7	307	1139	19.49	29	70.0	19	41	0.70
6	0.57	72	5627	96.29	18	7.0	230	832	14.24	30	87.0	8	22	0.38
7	0.70	221	5555	95.05	19	8.7	141	602	10.30	31	110.0	5	14	0.24
8	0.87	171	5334	91.27	20	11.0	94	461	7.89	32	130.0	3	9	0.15
9	1.1	196	5163	88.35	21	13.0	78	367	6.28	33	160.0	4	6	0.10
10	1.3	400	4967	84.99	22	16.0	64	289	4.95	34	200.0	2	2	0.03
11	1.6	526	4567	78.15	23	20.0	63	225	3.85					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.70  
P90 = 0.97  
P75 = 1.7  
P70 = 2.0  
P50 = 2.8  
P25 = 4.9  
P10 = 9.0



## 03352000 LAWRENCE CREEK AT FORT BENJAMIN HARRISON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1953	0.20 1	0.20 1	0.20 1	0.21 2	0.25 1	0.61 3	1.19 4	1.19 3	1.80 3
1954	0.20 2	0.20 2	0.20 2	0.20 1	0.38 2	0.39 1	0.47 1	0.65 1	0.91 2
1955	0.20 3	0.27 4	0.33 4	0.39 3	0.44 3	0.58 2	0.65 2	0.72 2	0.81 1
1956	0.40 6	0.47 6	0.49 6	0.51 5	0.57 5	1.50 7	2.10 9	2.40 11	2.50 9
1959	1.00 11	1.00 10	1.10 11	1.19 10	1.30 6	1.80 8	2.20 10	2.80 14	4.60 15
1960	0.70 7	0.80 7	0.83 7	0.95 6	1.50 10	2.00 12	2.40 12	2.30 10	2.90 12
1961	0.80 9	0.80 8	0.91 8	1.19 11	1.60 11	1.80 9	1.80 7	1.80 6	2.00 4
1962	0.30 5	0.30 5	0.31 3	0.43 4	0.56 4	0.99 4	1.19 3	1.60 4	2.40 7
1963	1.10 12	1.10 12	1.19 12	1.30 12	1.80 12	2.30 13	2.70 13	2.70 12	2.80 10
1964	1.00 10	1.00 11	1.00 9	1.10 7	1.40 9	1.80 10	2.10 8	2.00 7	2.30 6
1965	0.20 4	0.20 3	0.34 5	1.19 8	1.30 7	1.40 5	1.40 5	1.80 5	2.90 11
1966	0.70 8	0.80 9	1.00 10	1.19 9	1.30 8	1.40 6	1.70 6	2.00 8	2.10 5
1967	1.19 13	1.19 13	1.30 13	1.60 13	1.90 13	1.90 11	2.20 11	2.30 9	2.50 8
1968	1.80 14	1.90 14	1.90 14	1.90 14	2.10 14	2.70 15	2.70 14	2.70 13	3.30 13
1969	1.90 15	2.00 15	2.00 15	2.10 15	2.20 15	2.60 14	2.80 15	3.00 15	3.30 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1953	78.00 12	55.00 10	26.00 11	15.00 14	11.00 13	7.10 15	7.40 13	6.30 13	5.50 14
1954	100.00 8	51.00 11	26.00 12	18.00 10	11.00 14	9.10 12	7.00 14	5.50 15	4.00 15
1955	20.00 16	15.00 16	11.00 16	8.00 16	6.90 16	5.00 16	4.20 16	3.80 16	3.60 16
1956	481.00 1	217.00 1	103.00 1	51.00 1	27.00 1	18.00 4	14.00 4	14.00 2	10.00 2
1958	112.00 6	73.00 7	52.00 4	31.00 4	25.00 4	21.00 2	16.00 3	14.00 3	10.00 3
1959	200.00 2	86.00 3	43.00 5	24.00 5	21.00 5	14.00 5	11.00 5	10.00 6	8.00 8
1960	74.00 13	30.00 15	20.00 15	12.00 15	10.00 15	8.40 14	6.80 15	6.20 14	6.30 12
1961	198.00 3	85.00 4	55.00 3	36.00 3	27.00 2	21.00 3	19.00 1	15.00 1	11.00 1
1962	86.00 11	42.00 13	24.00 14	16.00 12	14.00 10	11.00 8	10.00 9	8.80 10	7.30 10
1963	170.00 4	74.00 5	39.00 7	23.00 6	20.00 6	14.00 6	11.00 6	9.00 8	7.10 11
1964	137.00 5	127.00 2	75.00 2	41.00 2	25.00 3	22.00 1	16.00 2	13.00 4	9.90 4
1965	100.00 7	67.00 8	33.00 9	21.00 9	15.00 8	11.00 9	11.00 7	10.00 5	8.20 7
1966	64.00 14	47.00 12	26.00 13	15.00 13	11.00 11	9.50 11	8.10 11	7.00 12	5.90 13
1967	98.00 9	73.00 6	42.00 6	23.00 7	14.00 9	10.00 10	8.60 10	8.90 9	8.30 6
1968	55.00 15	41.00 14	29.00 10	17.00 11	11.00 12	8.80 13	7.70 12	7.70 11	7.60 9
1969	94.00 10	67.00 9	35.00 8	22.00 8	18.00 7	13.00 7	11.00 8	9.90 7	9.20 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1953	4.20 3
1954	2.90 2
1955	2.20 1
1956	5.10 9
1959	8.50 15
1960	4.30 4
1961	5.30 11
1962	6.70 14
1963	4.80 7
1964	4.60 5
1965	6.40 13
1966	4.70 6
1967	5.00 8
1968	5.20 10
1969	5.90 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1953	3.60 14
1954	2.30 16
1955	2.50 15
1956	7.40 3
1958	8.10 1
1959	5.10 8
1960	4.90 12
1961	6.60 4
1962	5.00 10
1963	5.00 11
1964	6.00 5
1965	5.10 9
1966	4.10 13
1967	5.50 7
1968	5.60 6
1969	7.40 2

03352000 LAWRENCE CREEK AT FORT BENJAMIN HARRISON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1952	*	*	*	*	*	*	7.73	3.21	9.38	2.01	0.78	2.39
1953	1.30	1.77	3.72	4.17	3.14	10.60	2.79	8.34	1.94	3.71	1.26	0.48
1954	0.49	0.71	1.39	2.70	4.79	6.73	7.91	0.64	0.92	0.63	0.87	0.47
1955	1.45	0.97	1.45	2.26	3.59	5.89	2.83	1.82	2.90	3.62	1.85	1.88
1956	8.50	13.60	2.97	1.93	14.80	4.96	9.28	25.10	3.95	1.91	1.33	0.85
1958	2.55	5.56	18.10	4.50	2.04	3.76	3.84	7.72	16.50	18.40	11.30	2.29
1959	1.68	4.63	2.57	10.80	15.10	7.28	6.74	3.93	1.95	3.20	2.35	1.89
1960	4.49	4.32	4.98	6.18	8.02	4.06	3.33	6.25	6.44	6.52	2.86	1.82
1961	2.00	1.73	2.04	2.99	4.79	22.10	19.10	11.50	5.57	5.02	1.25	0.90
1962	1.55	3.09	3.23	11.00	6.81	11.60	3.15	6.95	1.91	6.21	2.05	2.64
1963	3.89	2.84	2.39	3.05	3.25	18.50	9.09	3.70	3.53	3.94	3.63	1.98
1964	1.91	3.10	1.59	2.16	3.36	17.50	24.70	3.88	3.86	6.19	2.30	1.35
1965	1.46	3.21	4.64	7.81	9.64	7.96	14.60	4.35	2.19	1.93	1.42	2.68
1966	2.11	2.33	3.65	4.40	9.79	8.12	5.78	3.85	2.76	1.99	1.91	3.02
1967	2.34	4.24	13.20	5.49	5.69	9.96	6.12	8.52	2.77	2.67	2.91	2.50
1968	4.82	3.94	9.58	6.56	6.86	4.98	6.73	10.60	4.07	2.28	4.30	2.96
1969	2.36	4.51	9.03	11.80	7.67	4.34	8.74	5.15	10.10	15.00	5.36	4.70

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.48	1.91	2.13	2.77	3.42	4.96
FIFTIETH PERCENTILE					
2.05	3.15	3.44	4.45	6.25	7.62
SEVENTY FIFTH PERCENTILE					
3.55	4.46	8.02	7.50	9.23	11.40
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
3.58	3.77	2.07	2.00	1.29	1.12
FIFTIETH PERCENTILE					
6.74	5.15	3.53	3.62	2.05	1.98
SEVENTY FIFTH PERCENTILE					
9.18	8.43	6.00	6.20	3.27	2.66

## 03352200 MUD CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°53'30", long 86°00'57", in SE¼NE¼ sec.25, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank at downstream side of Lantern Road bridge at Indianapolis, 0.2 mi northeast of intersection of 75th Street and Sargent Road, 1.5 mi upstream from mouth, and 2.0 mi southeast of Castleton.

DRAINAGE AREA.--42.4 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1958 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 752.99 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--18 years, 37.2 ft<sup>3</sup>/s, 11.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft<sup>3</sup>/s Apr. 21, 1964, gage height, 8.37 ft; minimum daily, 0.2 ft<sup>3</sup>/s several days in September 1963 and 1966.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1959										16	17	11	21	12	51	11	28	16	23	38	28	23	28	10	12	4	5	7			1	2	1		
1960										14	27	17	13	10	16	22	47	39	44	37	22	12	11	9	7	8	3	3	4	1					
1961										17	81	51	20	15	16	14	22	19	16	13	12	9	8	9	10	6	5	7	3	5	4	2	1		
1962										8	25	48	22	21	31	19	39	26	30	30	19	14	7	8	3	4	2	3	4	1	1				
1963	2	6		4	5	3	2	6	11	17	20	80	58	25	13	15	15	11	11	6	9	5	10	10	6	3	6		1	2	2			1	
1964		6	2	6	15	18	28	17	27	43	27	16	15	24	9	13	5	14	13	14	12	9	3	7	8	3	3	1	2	2	3			1	
1965						8	16	31	38	43	24	28	17	20	11	20	14	18	17	11	9	6	6	9	4	4	6	2		3					
1966	6	4	6	8	31	14	20	25	22	25	26	25	21	27	19	28	18	13	12	3	6	3		2			1								
1967					1	13	10	19	15	9	8	31	22	17	20	29	21	29	24	20	15	16	12	11	6	6	8		1	2					
1968									5	5	23	47	23	19	7	49	35	27	27	20	20	11	10	9	7	7	3	2	5	4	1				
1969									1	18	17	8	6	11	22	37	41	62	47	23	19	13	9	9	1	8	1	5	3	2	1	1			
1970									1	4	3	13	43	23	50	38	22	41	36	25	20	13	4	8	2	9	4	1	5						
1971												22	31	48	47	39	43	21	26	17	15	16	7	8	9	2	5	4	2	2	1				
1972												8	69	26	18	16	29	29	37	33	19	21	11	13	11	6	8	6	3	2	1				
1973													5	21	29	19	36	27	27	33	25	36	22	23	30	10	10	4	5	3					
1974													3	16	50	26	19	14	32	33	34	26	34	23	17	13	9	7	3	3	2		1		
1975									11	12	23	15	11	38	17	10	20	14	25	25	20	21	30	26	24	5	7	5	4			2			
1976										10	13	23	28	24	26	13	48	28	30	18	27	20	17	9	13	7	4	1	4	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6575	100.00	12	3.8	471	5342	81.25	24	96.0	201	601	9.14
1	0.20	8	6575	100.00	13	5.0	436	4871	74.08	25	130.0	99	400	6.08
2	0.26	16	6567	99.88	14	6.5	467	4435	67.45	26	160.0	99	301	4.58
3	0.34	8	6551	99.63	15	8.6	340	3968	60.35	27	210.0	78	202	3.07
4	0.45	18	6543	99.51	16	11.0	560	3628	55.18	28	280.0	43	124	1.89
5	0.59	52	6525	99.24	17	15.0	404	3068	46.66	29	370.0	36	81	1.23
6	0.77	56	6473	98.45	18	19.0	505	2664	40.52	30	480.0	26	45	0.68
7	1.0	76	6417	97.60	19	25.0	464	2159	32.84	31	630.0	13	19	0.29
8	1.3	109	6341	96.44	20	33.0	343	1695	25.78	32	820.0	4	6	0.09
9	1.7	197	6232	94.78	21	43.0	308	1352	20.56	33	1100.0	0	2	0.03
10	2.2	350	6035	91.79	22	56.0	251	1044	15.88	34	1400.0	2	2	0.03
11	2.9	343	5685	86.46	23	73.0	192	793	12.06					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.6  
P90 = 2.4  
P75 = 4.8  
P70 = 5.9  
P50 = 13.4  
P25 = 34.5  
P10 = 89.3

## 03352200 MUD CREEK AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1960	2.00 10	2.00 9	2.00 9	2.00 7	2.20 8	2.70 8	3.90 10	4.80 10	8.50 10
1961	1.80 7	1.90 7	1.90 7	2.00 8	2.10 7	2.20 7	2.40 6	2.60 5	3.10 3
1962	2.30 12	2.30 11	2.30 11	2.40 11	2.70 11	3.60 10	3.80 8	5.90 11	8.20 9
1963	1.80 8	2.00 8	2.00 8	2.20 9	2.60 9	2.80 9	3.80 9	4.30 8	4.70 6
1964	0.20 1	0.23 1	0.27 2	0.36 2	0.53 2	1.19 3	1.40 2	1.40 1	1.90 1
1965	0.50 3	0.57 3	0.60 3	0.86 4	0.94 3	1.10 2	1.40 3	1.60 3	4.10 5
1966	0.60 4	0.60 4	0.61 4	0.67 3	0.99 4	1.50 4	2.10 4	2.40 4	3.00 2
1967	0.20 2	0.23 2	0.24 1	0.31 1	0.48 1	0.73 1	0.90 1	1.50 2	3.60 4
1968	0.82 5	0.87 5	0.95 5	0.97 5	1.19 5	1.60 5	2.30 5	2.90 6	4.80 7
1969	2.10 11	2.20 10	2.20 10	2.30 10	2.60 10	4.00 11	4.90 12	7.90 13	12.00 12
1970	1.80 9	4.50 15	6.10 17	8.40 17	11.00 17	14.00 17	20.00 17	20.00 17	23.00 16
1971	3.50 15	3.90 14	4.60 14	4.80 14	5.10 14	5.80 14	6.40 13	7.40 12	9.00 11
1972	3.10 13	3.20 12	3.40 12	3.40 12	3.90 12	4.30 12	4.70 11	4.80 9	13.00 13
1973	3.20 14	3.30 13	3.50 13	3.90 13	4.30 13	5.30 13	7.80 14	9.50 14	15.00 14
1974	4.60 16	4.70 16	4.80 15	5.20 15	6.90 16	7.50 15	8.70 15	19.00 16	22.00 15
1975	5.00 17	5.20 17	5.30 16	5.40 16	5.80 15	9.10 16	12.00 16	13.00 15	26.00 17
1976	1.40 6	1.50 6	1.60 6	1.80 6	1.90 6	2.20 6	2.70 7	3.20 7	6.00 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1959	906.00 5	616.00 5	376.00 6	218.00 7	188.00 5	131.00 5	102.00 5	91.00 7	72.00 7
1960	380.00 17	282.00 17	246.00 13	145.00 16	117.00 14	78.00 16	66.00 16	61.00 16	47.00 17
1961	825.00 6	660.00 4	553.00 2	320.00 2	240.00 2	178.00 1	148.00 1	128.00 1	88.00 2
1962	580.00 10	390.00 11	206.00 17	143.00 17	104.00 15	84.00 14	76.00 12	63.00 14	48.00 16
1963	1400.00 2	891.00 2	488.00 3	309.00 4	242.00 1	163.00 3	121.00 3	93.00 6	63.00 11
1964	1600.00 1	1060.00 1	605.00 1	337.00 1	207.00 4	178.00 2	126.00 2	98.00 3	69.00 8
1965	612.00 9	413.00 10	301.00 10	188.00 12	126.00 13	98.00 11	89.00 10	73.00 11	51.00 15
1966	196.00 18	135.00 18	84.00 18	49.00 18	33.00 18	22.00 18	22.00 18	20.00 18	16.00 18
1967	570.00 11	496.00 9	304.00 8	167.00 14	95.00 16	79.00 15	74.00 14	70.00 12	65.00 10
1968	768.00 8	518.00 8	403.00 5	235.00 5	135.00 12	115.00 8	90.00 8	80.00 8	76.00 5
1969	973.00 3	771.00 3	467.00 4	316.00 3	223.00 3	139.00 4	101.00 6	94.00 5	72.00 6
1970	460.00 16	349.00 16	238.00 14	151.00 15	95.00 17	63.00 17	64.00 17	59.00 17	55.00 13
1971	501.00 14	385.00 13	301.00 9	209.00 8	142.00 9	93.00 12	67.00 15	62.00 15	52.00 14
1972	516.00 12	382.00 14	257.00 12	176.00 13	141.00 10	93.00 13	75.00 13	69.00 13	68.00 9
1973	462.00 15	357.00 15	216.00 16	194.00 10	137.00 11	100.00 10	84.00 11	77.00 9	82.00 4
1974	934.00 4	552.00 7	292.00 11	228.00 6	146.00 8	116.00 7	99.00 7	95.00 4	92.00 1
1975	782.00 7	584.00 6	322.00 7	203.00 9	147.00 7	119.00 6	107.00 4	100.00 2	84.00 3
1976	505.00 13	387.00 12	224.00 15	188.00 11	160.00 6	114.00 9	89.00 9	76.00 10	56.00 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1960	32.00 7
1961	27.00 4
1962	50.00 15
1963	28.00 5
1964	26.00 3
1965	37.00 10
1966	18.00 1
1967	26.00 2
1968	38.00 11
1969	46.00 13
1970	38.00 12
1971	33.00 8
1972	32.00 6
1973	53.00 16
1974	49.00 14
1975	60.00 17
1976	37.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1959	42.00 7
1960	32.00 14
1961	46.00 4
1962	27.00 16
1963	34.00 13
1964	36.00 9
1965	27.00 17
1966	8.60 18
1967	35.00 12
1968	44.00 5
1969	44.00 6
1970	36.00 10
1971	30.00 15
1972	39.00 8
1973	53.00 2
1974	57.00 1
1975	46.00 3
1976	35.00 11

03352200 MUD CREEK AT INDIANAPOLIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	*	*	*	*	*	*	*	*	224.00	102.00	125.00	9.95
1959	7.85	46.50	22.70	90.50	139.00	62.80	58.80	46.50	19.20	7.61	3.55	2.46
1960	6.29	18.60	35.50	66.70	87.10	39.60	28.00	18.90	24.10	47.00	6.52	2.15
1961	2.18	2.83	3.12	4.04	12.10	169.00	173.00	91.10	69.40	9.32	8.72	3.95
1962	3.43	13.60	10.60	92.40	52.40	77.80	19.40	27.90	13.60	11.40	3.44	2.66
1963	5.69	6.54	4.03	5.73	6.32	221.00	92.00	41.30	10.50	5.75	3.40	0.84
1964	1.62	1.97	1.25	2.79	3.46	143.00	204.00	24.90	13.40	27.10	3.35	1.16
1965	1.10	1.95	3.15	27.50	67.60	71.80	123.00	17.40	3.76	5.45	2.51	4.47
1966	1.40	1.66	3.42	8.59	29.70	14.40	16.20	20.30	5.62	1.63	0.93	0.52
1967	4.33	9.70	88.80	31.40	48.00	90.00	48.80	78.70	13.10	4.64	2.24	1.20
1968	3.89	4.57	114.00	60.20	93.90	37.00	56.30	89.80	34.50	8.99	15.50	5.64
1969	2.68	17.50	52.70	157.00	92.00	21.60	80.50	27.10	16.70	23.50	29.20	12.50
1970	37.40	74.80	31.90	44.40	47.10	36.10	83.70	35.30	20.10	12.20	9.16	5.21
1971	6.70	10.80	11.40	15.10	142.00	49.70	13.60	38.00	58.70	13.20	4.16	4.81
1972	5.83	4.64	115.00	63.60	20.30	45.30	133.00	29.10	21.10	12.50	5.15	8.63
1973	11.80	130.00	62.70	59.10	47.50	112.00	84.50	19.30	45.70	10.00	48.20	7.65
1974	7.59	35.90	87.10	120.00	61.10	66.30	71.50	45.20	137.00	21.60	13.80	16.90
1975	5.83	27.90	69.90	100.00	142.00	81.90	78.30	30.60	14.70	5.42	2.67	2.17
1976	3.78	10.40	35.10	59.30	122.00	85.40	18.80	13.40	35.20	27.70	7.01	3.39

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.55	4.13	3.88	13.50	27.30	38.90
FIFTIETH PERCENTILE					
5.01	10.60	33.50	59.20	56.70	69.00
SEVENTY FIFTH PERCENTILE					
6.92	29.90	74.20	91.00	101.00	95.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
25.80	20.00	13.40	5.75	3.35	2.15
FIFTIETH PERCENTILE					
74.90	29.80	20.10	11.40	5.15	3.95
SEVENTY FIFTH PERCENTILE					
99.70	45.50	45.70	23.50	13.80	7.65

03352500 FALL CREEK AT MILLERSVILLE, IN

LOCATION.--Lat 39°51'07", long 86°05'15", in NE¼NE¼ sec.9, T.16 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of Emerson Way bridge at Millersville, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--298 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1929 to September 1985. Monthly discharges only for some periods, published in WSP 1305. Twice-daily chain gage readings at former site from July 1925 to September 1926 are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 722.16 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 21, 1961, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Flow regulated by Geist Reservoir.

AVERAGE DISCHARGE.--56 years, 284 ft<sup>3</sup>/s, 12.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft<sup>3</sup>/s May 28, 1956, gage height, 13.53 ft; minimum daily, 7.8 ft<sup>3</sup>/s Sept. 28, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.3 ft Mar. 26, 1913, from floodmarks, discharge, 22,000 ft<sup>3</sup>/s by slope-area measurement.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1930						20	31	18	34	16	20	23	15	10	18	25	20	15	24	18	13	6	6	5	5	3	4	1	5	4	1	1	3	1	
1931					17	55	53	96	24	28	12	21	16	15	6	11	6	2	2		1														
1932				13	29	16	13	20	24	18	19	16	36	20	25	25	11	21	13	7	8	8	6	7	2	3	2	1	2	1					
1933				1	9	16	31	15	19	12	9	19	9	17	38	20	26	14	21	27	12	11	9	8	7	4	3	3		3	1			1	
1934		18	20	23	19	25	85	44	27	24	29	17	10	4	6	2	1	3	1	2	3		2												
1935			2	28	45	23	64	26	6	20	25	25	21	16	16	8	6	8	6	4	1	4	2	3	1		2	2	1						
1936		2	27	27	20	7	36	20	7	15	26	35	19	20	17	24	21	6	7	9	4	5	2	4	1	2	1	2							
1937				12	8	6	21	42	27	22	15	25	20	30	30	18	19	12	12	6	4	5	6	5	9	3	3	1	1	1	1			1	
1938					6	23	16	18	24	27	22	30	19	22	18	15	17	14	16	15	10	10	5	14	5	5	5	1	4	2	2				
1939				13	10	23	39	21	36	11	18	23	27	18	21	29	10	11	10	5	10	7	6	4	2	4	3	3	1						
1940		20	26	7	14	48	59	39	14	19	7	15	14	20	10	12	11	10	9	3	2	1	1			1	1	2	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4018	100.00	12	110.0	191	1829	45.52	24	1000.0	40	196	4.88
1	14.0	22	4018	100.00	13	130.0	233	1638	40.77	25	1200.0	38	156	3.88
2	17.0	71	3996	99.45	14	160.0	157	1405	34.97	26	1500.0	34	118	2.94
3	20.0	56	3925	97.69	15	190.0	209	1248	31.06	27	1800.0	19	84	2.09
4	24.0	128	3869	96.29	16	230.0	208	1039	25.86	28	2100.0	25	65	1.62
5	29.0	246	3741	93.11	17	280.0	114	831	20.68	29	2600.0	15	40	1.00
6	36.0	289	3495	86.98	18	330.0	147	717	17.84	30	3100.0	8	25	0.62
7	43.0	419	3206	79.79	19	400.0	100	570	14.19	31	3700.0	7	17	0.42
8	52.0	258	2787	69.36	20	480.0	87	470	11.70	32	4500.0	7	10	0.25
9	62.0	246	2529	62.94	21	580.0	82	383	9.53	33	5400.0	1	3	0.07
10	75.0	208	2283	56.82	22	700.0	54	301	7.49	34	6500.0	2	2	0.05
11	90.0	246	2075	51.64	23	840.0	51	247	6.15					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 26.0  
P90 = 32.6  
P75 = 47.1  
P70 = 51.4  
P50 = 95.4  
P25 = 238.0  
P10 = 558.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1931	30.00 6	31.00 6	32.00 6	33.00 6	35.00 6	39.00 5	39.00 4	40.00 4	44.00 2
1932	25.00 5	26.00 5	27.00 5	28.00 5	32.00 4	33.00 4	40.00 5	46.00 5	68.00 6
1933	24.00 4	24.00 4	25.00 4	27.00 4	32.00 5	45.00 7	59.00 8	72.00 8	99.00 8
1934	35.00 7	38.00 8	42.00 9	44.00 9	48.00 9	50.00 9	58.00 7	62.00 6	65.00 5
1935	17.00 2	17.00 2	18.00 2	19.00 2	21.00 2	24.00 2	28.00 2	28.00 2	31.00 1
1936	35.00 8	35.00 7	36.00 7	39.00 7	41.00 7	43.00 6	68.00 9	78.00 9	99.00 9
1937	15.00 1	16.00 1	17.00 1	17.00 1	19.00 1	20.00 1	23.00 1	27.00 1	63.00 4
1938	59.00 10	60.00 10	63.00 10	64.00 10	66.00 10	109.00 10	112.00 10	123.00 10	130.00 10
1939	39.00 9	39.00 9	41.00 8	42.00 8	43.00 8	47.00 8	51.00 6	62.00 7	87.00 7
1940	24.00 3	24.00 3	25.00 3	26.00 3	29.00 3	31.00 3	35.00 3	37.00 3	49.00 3

## 03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1930	5480.00 3	4810.00 3	4220.00 1	2930.00 1	1890.00 1	1230.00 4	1050.00 1	858.00 3	661.00 3
1931	505.00 11	391.00 11	295.00 11	261.00 11	204.00 11	169.00 11	137.00 11	120.00 11	98.00 11
1932	3170.00 6	2960.00 5	2150.00 5	1610.00 5	1110.00 5	837.00 5	684.00 6	569.00 6	440.00 6
1933	6510.00 2	5070.00 2	3150.00 3	2000.00 4	1310.00 4	1240.00 2	1030.00 2	865.00 2	800.00 1
1934	900.00 10	727.00 10	536.00 10	335.00 10	305.00 10	217.00 10	167.00 10	142.00 10	116.00 10
1935	2720.00 7	2490.00 7	1380.00 8	931.00 7	591.00 7	385.00 8	413.00 8	345.00 7	269.00 8
1936	2180.00 8	2020.00 8	1340.00 9	871.00 9	578.00 8	482.00 7	423.00 7	344.00 8	270.00 7
1937	9480.00 1	6200.00 1	3630.00 2	2740.00 2	1830.00 2	1230.00 3	930.00 4	815.00 4	598.00 4
1938	4930.00 4	3860.00 4	2690.00 4	2280.00 3	1820.00 3	1300.00 1	969.00 3	880.00 1	726.00 2
1939	3650.00 5	2910.00 6	1940.00 6	1260.00 6	792.00 6	730.00 6	719.00 5	599.00 5	443.00 5
1940	2120.00 9	1860.00 9	1480.00 7	875.00 8	569.00 9	356.00 9	298.00 9	257.00 9	196.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1931	99.00 2
1932	253.00 6
1933	319.00 8
1934	249.00 5
1935	66.00 1
1936	228.00 4
1937	313.00 7
1938	340.00 9
1939	378.00 10
1940	149.00 3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1930	368.00 3
1931	70.00 11
1932	267.00 5
1933	472.00 1
1934	78.00 10
1935	157.00 8
1936	159.00 7
1937	365.00 4
1938	456.00 2
1939	260.00 6
1940	114.00 9

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1930	65.40	195.00	630.00	1693.0	668.00	364.00	417.00	160.00	87.50	65.20	35.50	43.70
1931	38.60	41.30	61.50	46.10	60.40	131.00	193.00	82.90	65.10	58.70	33.70	32.60
1932	149.00	172.00	515.00	1061.0	428.00	236.00	175.00	119.00	118.00	68.80	32.90	122.00
1933	144.00	331.00	680.00	710.00	347.00	960.00	772.00	1278.0	192.00	67.90	55.80	95.70
1934	51.50	51.00	73.00	78.10	51.50	209.00	219.00	66.00	42.20	38.40	25.10	34.70
1935	26.80	32.10	38.20	80.50	50.40	135.00	113.00	575.00	179.00	459.00	133.00	49.40
1936	41.60	116.00	110.00	140.00	493.00	327.00	282.00	265.00	72.20	29.10	19.60	22.30
1937	42.70	274.00	124.00	1757.0	631.00	248.00	560.00	199.00	155.00	135.00	156.00	115.00
1938	146.00	100.00	614.00	220.00	549.00	1133.0	1205.0	437.00	525.00	432.00	75.80	48.30
1939	46.00	88.70	86.90	338.00	600.00	683.00	752.00	174.00	143.00	126.00	81.90	30.10
1940	35.50	39.80	43.40	69.20	165.00	144.00	512.00	175.00	117.00	36.80	19.70	17.00

## WABASH RIVER BASIN

03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
38.60	41.30	61.50	78.10	60.40	144.00
FIFTIETH PERCENTILE					
46.00	100.00	110.00	220.00	428.00	248.00
SEVENTY FIFTH PERCENTILE					
144.00	195.00	614.00	1061.00	600.00	683.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
193.00	119.00	72.20	38.40	25.10	30.10
FIFTIETH PERCENTILE					
417.00	175.00	118.00	67.90	35.50	43.70
SEVENTY FIFTH PERCENTILE					
752.00	437.00	179.00	135.00	81.90	95.70

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944					5	58	68	58	53	8	9	6	3	13	9	16	13	7	8	7	3	4	8	3	3			1		1			1	1		
1945		2		11	28	39	49	22	17	26	21	12	13	13	22	16	11	12	10	6	4	6	7	7	4	2		4		1						
1946									46	32	32	15	36	27	23	26	20	17	17	18	16	12	4	9	6	4	5									
1947					1	52	33	28	25	32	28	13	17	16	16	14	18	19	14	11	9	7	3	4	3	2										
1948					2	23	34	53	56	28	18	25	9	12	15	14	6	13	10	9	10	8	2	4	2	2	2	3	2	4	1	1				
1949						28	16	67	28	20	13	18	12	31	23	20	16	9	15	8	12	6	7	3	2	6	3	1	1							
1950						1	81	40	14	10	12	15	17	25	19	17	17	15	16	12	9	10	8	3	4	7	4	2	3	2	2	2				
1951						16	10	56	27	14	11	17	23	26	26	23	20	19	11	17	10	12	8	11	2	3	1			1		1				
1952						20	30	53	38	12	6	13	25	23	19	23	19	18	18	12	8	11	4	7	1	3	3									
1953					3	7	34	41	36	18	10	44	43	43	20	13	12	6	10	7	4	3	2	2	3	2			1		1					
1954					35	142	42	31	13	14	12	21	13	7	7	5	6	3	4	3	1	1	1	1	1	2	1									
1955					52	35	52	29	22	37	16	18	14	14	18	16	13	8	9	5	2	3	2													
1956						12	29	36	26	28	22	22	25	24	28	27	21	13	17	5	9	5	4	1			6		3	1			1	1		
1957					2	56	61	15	13	13	9	30	19	25	14	12	11	16	12	15	9	7	1	5	7	8			2	2	1					
1958						4	7	9	12	26	22	49	35	32	32	21	20	20	12	9	11	8	9	4	5	3	4	4	2	2	2	2	1			
1959							20	44	36	36	21	24	12	19	27	23	15	32	14	13	12	4	4	2	1			1	2	1	1	1				
1960						5	48	28	19	28	53	33	32	32	20	13	16	8	5	7	11			5	1	1	1									
1961						16	34	81	67	21	12	15	12	16	9	10	8	8	8	6	7	7	4	7	5	3	5	1	2			1				
1962						1	40	103	38	24	31	17	32	11	17	9	8	7	6	4	6	3	2	2	1	2	1									
1963						4	27	132	58	24	11	13	8	13	5	9	4	6	5	8	4	6	4	4	1	3	1	2						2		
1964					12	21	28	37	83	48	19	14	12	5	15	15	10	7	5	4	3	4	5	5	3			2	2		2	1	2		2	
1965						18	18	67	56	39	31	11	13	16	15	10	18	6	11	5	3	5	5	7	6	2			3							
1966						4	3	84	125	41	23	16	18	15	12	8	5	4	4	3																
1967					4	29	33	76	20	17	16	14	19	27	17	15	16	10	11	13	9	8	7	1			1			2						
1968						1	22	28	39	25	21	31	31	25	21	22	20	18	10	10	9	6	6	3	4		6	5	1	1	1					
1969							4	44	29	20	18	39	32	30	32	21	14	22	11	11	10	6	3	7	4	4	1	1			2					
1970								42	42	36	24	30	24	23	27	26	22	17	10	13	11	6	2	4	3	2	1									
1971						24	58	78	49	24	24	16	11	15	6	18	11	8	5	6	2	1	2	2	2	2	2	2	1							
1972						15	31	66	22	27	25	19	21	34	21	16	12	11	7	11	10	5	5	4	1	2	1									
1973						2	27	34	18	13	15	23	27	26	21	37	28	21	21	8	16	9	7	5	4	2	1									
1974						1	5	25	38	27	13	18	25	11	31	33	18	31	18	16	11	17	8	9	2	1	4	1	2							
1975						10	67	34	15	18	16	14	9	27	26	21	24	25	17	9	9	6	5	4	6								1			



## 03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976	22	69	48	33	28	21	18	14	13	25	14	9	11	12	4	12	1	4	4	4
1977	25	88	105	40	15	11	11	14	13	11	7	5	5	5	1	6	3			
1978		7	26	54	38	32	22	29	20	12	31	23	16	9	9	6	7	7	6	3
1979		1	25	23	28	33	33	44	27	28	23	22	20	14	8	7	3	5	7	4
1980		15	23	29	34	38	23	32	33	21	19	19	14	15	11	12	13	7	4	1
1981		8	58	70	44	27	16	21	16	14	18	10	16	16	12	4	7		2	1
1982		6	34	60	30	23	17	24	18	17	18	14	8	14	23	13	9	10	6	2
1983	1	6	64	57	25	35	17	45	28	19	11	7	10	7	7	8	6	5	3	1
1984		4	39	60	24	25	21	21	12	17	22	16	27	14	15	12	13	9	3	4
1985		13	52	34	17	15	25	18	20	23	24	29	16	16	13	10	9	8	7	5

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	130.0	989	7754	50.54	24	1300.0	171	575	3.75
1	16.0	2	15341	100.00	13	160.0	822	6765	44.10	25	1600.0	109	404	2.63
2	19.0	0	15339	99.99	14	190.0	880	5943	38.74	26	1900.0	109	295	1.92
3	23.0	11	15339	99.99	15	230.0	846	5063	33.00	27	2300.0	71	186	1.21
4	28.0	45	15328	99.92	16	280.0	721	4217	27.49	28	2800.0	44	115	0.75
5	34.0	252	15283	99.62	17	340.0	630	3496	22.79	29	3400.0	29	71	0.46
6	42.0	695	15031	97.98	18	410.0	596	2866	18.68	30	4100.0	19	42	0.27
7	50.0	1182	14336	93.45	19	500.0	493	2270	14.80	31	5000.0	13	23	0.15
8	61.0	2111	13154	85.74	20	610.0	394	1777	11.58	32	6000.0	7	10	0.07
9	74.0	1490	11043	71.98	21	740.0	325	1383	9.02	33	7300.0	3	3	0.02
10	90.0	1033	9553	62.27	22	890.0	295	1058	6.90	34	8900.0	0	0	0.00
11	110.0	766	8520	55.54	23	1100.0	188	763	4.97					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	47.3
P90 =	54.9
P75 =	71.1
P70 =	77.3
P50 =	133.0
P25 =	312.0
P10 =	690.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	16.00 1	20.00 1	26.00 1	27.00 1	31.00 1	34.00 1	36.00 1	39.00 1	43.00 1
1946	51.00 30	53.00 25	54.00 24	61.00 28	68.00 30	122.00 40	126.00 38	214.00 38	208.00 35
1947	43.00 12	43.00 10	45.00 12	46.00 9	47.00 7	50.00 8	56.00 10	60.00 10	77.00 13
1948	39.00 7	41.00 9	42.00 8	46.00 10	49.00 11	61.00 18	63.00 17	69.00 20	114.00 26
1949	47.00 20	47.00 17	47.00 16	48.00 14	49.00 12	56.00 12	62.00 15	64.00 13	93.00 21
1950	59.00 36	59.00 34	60.00 30	63.00 31	65.00 27	65.00 24	68.00 22	67.00 18	84.00 16
1951	56.00 34	60.00 35	64.00 34	66.00 32	77.00 36	85.00 35	106.00 35	112.00 33	233.00 37
1952	44.00 15	44.00 11	44.00 10	46.00 11	47.00 8	52.00 10	58.00 11	63.00 11	101.00 23
1953	51.00 31	53.00 26	56.00 25	56.00 24	60.00 22	64.00 22	69.00 23	71.00 22	91.00 19
1954	40.00 8	40.00 7	40.00 6	42.00 6	43.00 4	44.00 4	45.00 3	44.00 3	51.00 3
1955	36.00 5	36.00 5	38.00 4	39.00 4	40.00 3	40.00 2	41.00 2	42.00 2	46.00 2
1956	52.00 32	53.00 27	53.00 22	53.00 20	54.00 18	61.00 19	84.00 32	102.00 31	116.00 27
1957	40.00 9	41.00 8	43.00 9	45.00 8	46.00 6	49.00 5	49.00 5	52.00 5	56.00 4
1958	44.00 16	48.00 18	53.00 23	55.00 21	66.00 29	78.00 32	89.00 33	116.00 34	278.00 41
1959	67.00 39	70.00 39	76.00 39	84.00 40	91.00 39	98.00 37	112.00 36	163.00 37	275.00 39
1960	50.00 27	55.00 30	56.00 26	59.00 25	62.00 23	65.00 23	73.00 25	80.00 28	110.00 24
1961	43.00 13	44.00 12	45.00 11	49.00 15	58.00 20	60.00 16	62.00 16	64.00 14	67.00 8
1962	49.00 24	60.00 36	66.00 37	69.00 35	74.00 34	75.00 30	76.00 26	79.00 25	92.00 20
1963	35.00 4	35.00 4	35.00 3	38.00 3	52.00 13	60.00 17	66.00 20	69.00 21	74.00 11
1964	30.00 2	30.00 2	31.00 2	34.00 2	35.00 2	43.00 3	47.00 4	51.00 4	58.00 5
1965	38.00 6	39.00 6	41.00 7	42.00 5	44.00 5	49.00 6	55.00 8	59.00 9	70.00 10
1966	50.00 25	50.00 21	51.00 21	55.00 22	58.00 21	62.00 20	64.00 18	66.00 17	68.00 9
1967	34.00 3	35.00 3	40.00 5	43.00 7	49.00 9	50.00 7	54.00 7	57.00 6	60.00 6
1968	41.00 10	45.00 13	46.00 13	47.00 12	53.00 16	58.00 13	61.00 13	64.00 15	75.00 12
1969	55.00 33	56.00 31	60.00 31	62.00 29	65.00 28	70.00 27	78.00 27	109.00 32	128.00 31
1970	64.00 38	66.00 38	67.00 38	78.00 38	87.00 38	119.00 39	160.00 39	223.00 39	227.00 36

## WABASH RIVER BASIN

03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1971	50.00 26	50.00 22	50.00 20	51.00 16	72.00 32	74.00 28	78.00 28	79.00 26	84.00 17
1972	51.00 28	52.00 23	59.00 28	59.00 26	64.00 25	75.00 29	81.00 30	79.00 27	116.00 28
1973	60.00 37	62.00 37	64.00 35	70.00 36	75.00 35	81.00 34	92.00 34	97.00 29	166.00 33
1974	57.00 35	58.00 33	62.00 33	68.00 33	74.00 33	76.00 31	80.00 29	121.00 35	165.00 32
1975	48.00 21	54.00 28	65.00 36	72.00 37	78.00 37	97.00 36	124.00 37	124.00 36	201.00 34
1976	51.00 29	53.00 24	56.00 27	61.00 27	62.00 24	64.00 21	66.00 19	68.00 19	82.00 15
1977	45.00 17	46.00 14	47.00 14	48.00 13	49.00 10	51.00 9	53.00 6	57.00 7	62.00 7
1978	48.00 22	55.00 29	60.00 29	62.00 30	65.00 26	66.00 25	71.00 24	75.00 24	114.00 25
1979	72.00 40	76.00 40	79.00 40	82.00 39	112.00 41	146.00 41	188.00 41	235.00 40	256.00 38
1980	78.00 41	82.00 41	84.00 41	93.00 41	94.00 40	118.00 38	168.00 40	247.00 41	278.00 40
1981	45.00 18	47.00 15	47.00 15	51.00 17	52.00 14	58.00 14	60.00 12	63.00 12	99.00 22
1982	46.00 19	56.00 32	61.00 32	69.00 34	70.00 31	79.00 33	83.00 31	100.00 30	124.00 30
1983	48.00 23	49.00 20	49.00 17	51.00 18	52.00 15	54.00 11	56.00 9	58.00 8	80.00 14
1984	41.00 11	47.00 16	49.00 18	51.00 19	54.00 17	60.00 15	62.00 14	65.00 16	85.00 18
1985	44.00 14	48.00 19	50.00 19	55.00 23	57.00 19	66.00 26	67.00 21	74.00 23	119.00 29

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	7080.00 3	5360.00 4	3080.00 6	1860.00 9	1220.00 13	843.00 16	662.00 20	533.00 25	372.00 33
1945	3430.00 22	2850.00 21	1930.00 22	1240.00 26	758.00 33	576.00 34	564.00 31	543.00 24	405.00 29
1946	2240.00 37	1810.00 37	1400.00 36	1090.00 31	763.00 32	581.00 32	581.00 27	513.00 27	500.00 21
1947	2240.00 38	1920.00 36	1300.00 37	885.00 39	667.00 36	632.00 31	541.00 32	468.00 32	415.00 28
1948	5380.00 11	4480.00 10	2890.00 9	2280.00 4	1970.00 2	1200.00 4	923.00 5	773.00 7	598.00 10
1949	3550.00 21	2730.00 22	1790.00 24	1620.00 17	1330.00 10	1000.00 9	814.00 10	703.00 11	549.00 13
1950	6950.00 5	5660.00 3	3510.00 3	3240.00 1	2480.00 1	1850.00 1	1480.00 1	1220.00 1	946.00 1
1951	5000.00 12	3920.00 14	2370.00 18	1690.00 14	1050.00 18	815.00 18	721.00 16	674.00 12	614.00 9
1952	2700.00 32	2220.00 32	1420.00 35	1350.00 22	919.00 26	768.00 20	722.00 15	649.00 15	522.00 17
1953	4190.00 17	2950.00 19	1590.00 28	895.00 38	586.00 39	517.00 38	440.00 37	390.00 37	375.00 32
1954	2140.00 39	1800.00 38	1150.00 39	938.00 37	645.00 37	403.00 40	325.00 40	265.00 40	195.00 40
1955	1250.00 40	1070.00 40	820.00 40	609.00 40	531.00 40	407.00 39	338.00 39	304.00 39	247.00 39
1956	8860.00 1	6120.00 2	3400.00 4	1840.00 10	1030.00 19	723.00 22	597.00 24	670.00 13	498.00 23
1957	4150.00 18	3430.00 16	2520.00 15	1680.00 15	1180.00 15	952.00 10	983.00 3	823.00 3	632.00 4
1958	6740.00 6	5030.00 6	4480.00 1	2580.00 2	1530.00 5	1350.00 2	984.00 2	852.00 2	628.00 5
1959	5490.00 10	4110.00 12	2300.00 19	1350.00 23	1290.00 11	923.00 13	727.00 14	665.00 14	520.00 18
1960	2400.00 35	2030.00 34	1570.00 29	990.00 33	779.00 31	545.00 36	474.00 35	445.00 34	362.00 34
1961	5770.00 7	4570.00 9	3290.00 5	2020.00 6	1500.00 6	1130.00 5	960.00 4	813.00 4	572.00 12
1962	3330.00 23	2470.00 28	1480.00 33	948.00 36	811.00 30	657.00 29	566.00 30	474.00 31	358.00 35
1963	7080.00 4	5330.00 5	3050.00 7	1960.00 7	1540.00 3	1040.00 8	771.00 11	607.00 20	424.00 27
1964	8850.00 2	7040.00 1	4350.00 2	2540.00 3	1540.00 4	1290.00 3	921.00 6	716.00 8	519.00 19
1965	2750.00 30	2330.00 30	1540.00 31	1110.00 30	843.00 29	687.00 27	647.00 23	532.00 26	385.00 31
1966	602.00 42	559.00 42	445.00 42	303.00 42	238.00 42	178.00 42	185.00 42	172.00 42	138.00 42
1967	3070.00 25	2640.00 23	1640.00 26	961.00 35	618.00 38	533.00 37	510.00 33	463.00 33	433.00 25
1968	4230.00 16	3530.00 15	2750.00 12	1610.00 18	935.00 25	694.00 25	568.00 29	557.00 23	528.00 16
1969	4700.00 14	4020.00 13	2550.00 14	1780.00 12	1340.00 9	891.00 15	674.00 19	618.00 18	489.00 24
1970	2490.00 33	2080.00 33	1480.00 32	996.00 32	704.00 35	578.00 33	572.00 28	499.00 30	430.00 26
1971	3260.00 24	2640.00 24	2110.00 20	1390.00 21	985.00 22	657.00 30	473.00 36	430.00 36	352.00 36
1972	3030.00 26	2510.00 26	1570.00 30	1220.00 27	964.00 23	687.00 26	585.00 26	505.00 29	499.00 22
1973	3000.00 27	2350.00 29	1440.00 34	1190.00 28	1100.00 17	804.00 19	675.00 18	603.00 21	623.00 6
1974	3720.00 20	2940.00 20	1890.00 23	1450.00 20	1030.00 20	839.00 17	731.00 13	713.00 9	643.00 3
1975	5630.00 9	4590.00 8	2640.00 13	1640.00 16	1170.00 16	917.00 14	844.00 8	810.00 6	662.00 2
1976	2240.00 36	1750.00 39	1280.00 38	1190.00 29	960.00 24	717.00 23	589.00 25	506.00 28	390.00 30
1977	1070.00 41	965.00 41	792.00 41	572.00 41	422.00 41	366.00 41	305.00 41	248.00 41	188.00 41
1978	4600.00 15	4160.00 11	2890.00 10	2140.00 5	1420.00 8	936.00 11	765.00 12	647.00 16	545.00 14
1979	4750.00 13	3410.00 17	2800.00 11	1960.00 8	1200.00 14	924.00 12	689.00 17	611.00 19	621.00 7
1980	2950.00 28	2310.00 31	1940.00 21	1270.00 24	903.00 27	715.00 24	659.00 21	631.00 17	528.00 15
1981	3930.00 19	3270.00 18	2420.00 17	1490.00 19	1010.00 21	665.00 28	502.00 34	435.00 35	352.00 37
1982	2740.00 31	2640.00 25	2460.00 16	1770.00 13	1490.00 7	1090.00 6	909.00 7	813.00 5	620.00 8
1983	2900.00 29	2500.00 27	1600.00 27	963.00 34	756.00 34	547.00 35	421.00 38	366.00 38	327.00 38
1984	2400.00 34	1990.00 35	1680.00 25	1270.00 25	884.00 28	758.00 21	656.00 22	580.00 22	504.00 20
1985	5680.00 8	4740.00 7	2960.00 8	1830.00 11	1270.00 12	1060.00 7	829.00 9	704.00 10	586.00 11

03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	210.00	8
1946	390.00	31
1947	216.00	10
1948	333.00	25
1949	403.00	33
1950	473.00	40
1951	414.00	34
1952	314.00	24
1953	221.00	12
1954	178.00	4
1955	162.00	3
1956	248.00	17
1957	228.00	13
1958	463.00	39
1959	521.00	41
1960	271.00	18
1961	215.00	9
1962	360.00	29
1963	218.00	11
1964	204.00	7
1965	299.00	23
1966	161.00	2
1967	195.00	6
1968	274.00	19
1969	350.00	28
1970	334.00	26
1971	245.00	16
1972	235.00	14
1973	419.00	35
1974	387.00	30
1975	450.00	38
1976	297.00	21
1977	153.00	1
1978	278.00	20
1979	397.00	32
1980	421.00	37
1981	235.00	15
1982	419.00	36
1983	180.00	5
1984	299.00	22
1985	349.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	209.00	37
1945	238.00	32
1946	338.00	15
1947	256.00	28
1948	336.00	16
1949	325.00	17
1950	539.00	1
1951	371.00	9
1952	313.00	21
1953	240.00	31
1954	120.00	41
1955	156.00	39
1956	343.00	14
1957	352.00	10
1958	482.00	2
1959	322.00	18
1960	258.00	27
1961	321.00	19
1962	229.00	33
1963	247.00	30
1964	289.00	25
1965	224.00	34
1966	101.00	42
1967	252.00	29
1968	321.00	20
1969	352.00	11
1970	290.00	24
1971	219.00	35
1972	306.00	22
1973	420.00	4
1974	418.00	5
1975	382.00	7
1976	264.00	26
1977	126.00	40
1978	401.00	6
1979	440.00	3
1980	376.00	8
1981	217.00	36
1982	352.00	12
1983	201.00	38
1984	301.00	23
1985	350.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	38.30	40.80	45.80	48.60	67.10	472.00	1190.0	304.00	129.00	68.30	61.30	51.10
1945	44.60	35.00	38.60	37.10	61.70	499.00	632.00	333.00	685.00	138.00	146.00	204.00
1946	385.00	211.00	364.00	452.00	413.00	729.00	163.00	717.00	309.00	146.00	76.20	74.90
1947	59.00	48.20	63.20	423.00	257.00	253.00	565.00	453.00	477.00	265.00	143.00	67.90
1948	60.40	66.90	80.30	466.00	305.00	1044.0	1245.0	337.00	184.00	107.00	70.40	66.10
1949	49.50	83.20	314.00	1297.0	626.00	478.00	237.00	186.00	404.00	108.00	67.40	65.10
1950	74.00	65.50	127.00	2390.0	1278.0	712.00	482.00	225.00	560.00	349.00	83.60	160.00
1951	82.30	456.00	521.00	611.00	1024.0	475.00	607.00	248.00	123.00	232.00	73.20	55.20
1952	54.00	73.60	371.00	633.00	610.00	697.00	599.00	221.00	262.00	94.80	76.30	78.80
1953	69.20	62.00	176.00	245.00	194.00	571.00	198.00	526.00	141.00	496.00	130.00	55.50
1954	45.00	45.20	45.20	56.90	124.00	253.00	546.00	114.00	73.60	56.50	46.10	44.10
1955	40.90	41.50	45.70	213.00	212.00	518.00	253.00	118.00	175.00	127.00	64.80	64.90
1956	150.00	600.00	188.00	90.40	845.00	341.00	494.00	906.00	293.00	130.00	66.10	51.20
1957	49.70	49.40	63.20	208.00	266.00	166.00	1158.0	637.00	1107.0	363.00	112.00	72.30
1958	126.00	251.00	1025.0	329.00	143.00	220.00	196.00	473.00	1449.0	731.00	690.00	116.00
1959	94.50	271.00	170.00	728.00	894.00	476.00	421.00	449.00	179.00	90.30	69.30	63.70
1960	97.60	203.00	308.00	456.00	629.00	296.00	239.00	228.00	254.00	252.00	80.10	69.70
1961	78.50	63.00	58.40	68.70	77.90	1085.0	1135.0	613.00	365.00	121.00	94.50	78.20
1962	75.70	90.30	91.50	621.00	392.00	650.00	167.00	205.00	107.00	187.00	79.90	82.80
1963	88.10	74.20	69.00	55.60	78.20	1399.0	610.00	251.00	118.00	74.40	64.60	67.50
1964	72.30	64.40	42.10	45.60	53.70	980.00	1503.0	243.00	101.00	216.00	74.40	71.70
1965	64.60	50.10	52.60	168.00	540.00	542.00	829.00	177.00	94.20	79.50	60.10	69.60
1966	65.30	71.60	60.50	85.10	203.00	155.00	146.00	185.00	63.00	64.20	66.60	58.00
1967	52.70	56.70	536.00	226.00	303.00	582.00	375.00	537.00	138.00	67.50	70.10	68.10
1968	62.70	53.90	552.00	358.00	733.00	284.00	496.00	650.00	306.00	84.90	206.00	74.30
1969	66.50	151.00	405.00	916.00	686.00	178.00	539.00	209.00	271.00	481.00	224.00	116.00
1970	239.00	431.00	215.00	315.00	540.00	452.00	578.00	233.00	161.00	170.00	98.30	73.30

## WABASH RIVER BASIN

03352500 FALL CREEK AT MILLERSVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	79.80	86.10	99.80	87.40	976.00	371.00	119.00	275.00	320.00	112.00	72.80	94.70
1972	87.30	68.80	640.00	420.00	171.00	420.00	950.00	363.00	256.00	105.00	75.20	118.00
1973	92.00	857.00	503.00	421.00	390.00	906.00	667.00	209.00	544.00	161.00	226.00	75.20
1974	77.30	223.00	598.00	876.00	480.00	514.00	568.00	365.00	743.00	287.00	118.00	175.00
1975	78.10	155.00	423.00	720.00	1124.0	701.00	691.00	339.00	202.00	82.30	68.10	63.40
1976	68.10	84.90	237.00	454.00	782.00	520.00	137.00	115.00	261.00	334.00	128.00	66.60
1977	74.50	57.20	52.50	50.30	157.00	399.00	261.00	161.00	70.00	65.40	80.80	85.30
1978	300.00	112.00	740.00	173.00	104.00	1148.0	585.00	489.00	204.00	237.00	478.00	202.00
1979	179.00	233.00	362.00	415.00	577.00	811.00	630.00	185.00	209.00	796.00	739.00	139.00
1980	105.00	440.00	437.00	312.00	246.00	793.00	550.00	315.00	752.00	128.00	351.00	89.30
1981	70.40	67.20	58.60	56.90	283.00	118.00	244.00	946.00	286.00	214.00	136.00	123.00
1982	80.00	89.50	254.00	577.00	1076.0	1040.0	458.00	206.00	279.00	100.00	62.90	54.30
1983	54.80	66.40	331.00	175.00	214.00	162.00	495.00	582.00	110.00	93.50	67.00	59.20
1984	62.50	194.00	567.00	127.00	464.00	761.00	716.00	355.00	131.00	95.70	68.30	73.90
1985	57.50	304.00	446.00	372.00	860.00	754.00	713.00	366.00	168.00	75.00	69.90	61.10

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

58.60

60.80

62.50

89.60

188.00

330.00

## FIFTIETH PERCENTILE

73.10

78.70

226.00

322.00

391.00

516.00

## SEVENTY FIFTH PERCENTILE

89.10

214.00

439.00

494.00

698.00

756.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

251.00

208.00

131.00

88.90

67.90

63.60

## FIFTIETH PERCENTILE

548.00

310.00

232.00

128.00

76.20

72.00

## SEVENTY FIFTH PERCENTILE

673.00

477.00

331.00

241.00

132.00

90.60

## 03353000 WHITE RIVER AT INDIANAPOLIS, IN

LOCATION.--Lat 39°45'05", long 86°10'30", in NW¼NW¼ sec.14, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, on downstream side of second pier from right bank of Morris Street bridge in Indianapolis, 2.6 mi downstream from Fall Creek, 3.4 mi upstream from Eagle Creek, and at mile 230.3.

DRAINAGE AREA.--1,635 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1904 to July 1906 and April 1930 to September 1985. Gage-height record published in reports of National Weather Service for site 1.1 mi upstream Feb. 8, 1911, to Mar. 25, 1913, and at site 2.3 mi upstream since Oct. 16, 1913. Prior to October 1948, published as West Fork White River at Indianapolis.

GAGE.--Water-stage recorder. Datum of gage is 662.26 ft above National Geodetic Vertical Datum of 1929. March 1904 to July 1906, nonrecording gage at railroad bridge 0.8 mi upstream at datum approximately 2.9 ft higher. April 1930 to July 20, 1931, nonrecording gage at Indianapolis sanitation plant, 2.5 mi downstream at datum 660.00 ft lower. July 21, 1931 to Mar. 2, 1932, nonrecording gage and March 3, 1932, to September 30, 1960, water-stage recorder at present site at datum 660.00 ft lower.

REMARKS.--Natural flow affected by regulation of Morse Reservoir and Geist Reservoir, and by diversion of municipal water supply by the Indianapolis Water Company. Stage-discharge relation affected at times by releases from Eagle Creek Reservoir.

AVERAGE DISCHARGE.--56 years (water years 1905, 1931 to 1985), 1,398 ft<sup>3</sup>/s, 11.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,200 ft<sup>3</sup>/s May 18, 1943; maximum gage height, 21.57 ft Jan. 16, 1937; minimum daily discharge, 8.0 ft<sup>3</sup>/s Sept. 29, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 30.0 ft, from floodmarks determined by Indianapolis Water Company, discharge, 70,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1905												2	4	40	71	17	35	24	21	30	29	33	17	11	9	8	9	3	2						
1931										1	2	3	10	53	104	58	34	25	18	16	20	12	4	3	2										
1932								1	4	9	11	17	20	16	38	25	22	37	30	32	26	27	10	13	9	8	5	3	2	1					
1933										2	5	28	37	27	23	31	21	40	25	25	14	29	15	15	6	9	3	5	2			3			
1934								8	9	19	5	14	26	39	67	59	42	25	22	10	6	5	2	3	2										
1935									3	11	21	43	26	39	40	17	25	37	28	24	16	10	6	4	3	3	1	3	4	1					
1936									30	23	19	26	33	33	30	18	26	21	23	14	25	14	11	2	5	5	2	3		2	1				
1937										1	10	7	35	32	17	26	18	40	36	33	27	19	14	9	10	12	9	5	1	1	1	2			
1938												2	16	42	22	40	38	34	28	13	23	14	12	14	6	10	8	4	3	2					
1939											22	6	19	53	28	31	37	36	36	24	14	10	8	10	2	10	7	3	3	2	3	1			
1940					1	4	14	9	19	14	24	31	53	38	9	20	20	28	17	24	16	12	3	3	1		3	1	2						
1941		4	2	5	6	8	10	17	29	14	12	25	47	67	53	30	13	7	3	1	2	4	2	2	2										
1942			1			1	1	3	3	2	7	13	57	43	39	31	27	19	23	24	21	8	7	7	8	4	6	6	4						
1943											2	20	17	7	18	32	46	60	29	33	25	25	13	10	3	7	6	2	3	2	2			3	
1944											1	18	61	99	28	14	21	9	6	12	15	20	18	15	9	3	4	5	2	2		2	2		
1945											24	54	47	10	16	11	18	26	16	21	26	28	14	10	11	9	9	3	5	4	3				
1946												25	16	11	9	27	32	37	38	26	35	22	23	26	15	8	8	7							
1947												14	40	43	13	16	45	25	23	18	20	29	24	23	13	7	4	6	2						
1948											3	23	31	27	44	36	34	24	19	20	21	15	14	17	6	8	4	4	3	10	3				
1949											2	17	31	18	14	27	21	24	32	53	27	29	14	13	9	10	8	7	4	5					
1950											5	19	29	28	25	18	19	26	33	23	23	27	24	18	11	7	3	7	8	8	4				
1951											4	22	15	19	20	14	31	20	38	31	30	31	18	23	13	13	13	4	3	3					
1952										1	8	29	21	16	19	15	16	20	32	39	26	26	26	23	16	13	9	3	4	3	1				
1953										3	5	8	45	28	8	13	20	34	45	67	27	15	17	9	6	5	3	4	3						
1954								1	6	13	19	78	42	31	23	21	21	20	23	24	13	9	8	5	3	2									
1955								1	3	1	13	9	20	36	25	28	35	30	20	25	25	25	26	19	10	5	6	1	2						
1956										2	9	8	7	7	20	31	39	33	38	24	30	53	15	18	9	7	5	7	1	1	1	1			
1957										10	26	23	11	19	17	14	22	24	34	28	25	16	18	19	15	15	9	5	6	6			3		
1958												5	6	4	8	35	37	58	61	42	22	17	15	15	19	2	5	3	2	4	4	1			
1959										1	13	22	19	16	30	40	26	18	12	24	31	30	26	18	13	9	6	1	5	4	1				
1960											14	17	22	22	25	21	28	57	40	47	21	15	8	6	7	9	5	2							
1961										8	55	38	32	26	16	25	24	18	16	21	9	16	7	10	7	9	13	6	5	3	1				
1962											4	29	28	49	37	27	43	33	30	23	16	14	4	10	4	6	2	3		2	1				
1963										2	11	17	23	91	47	37	18	15	8	32	5	11	7	8	6	9	6	4	3	2			3		
1964										9	16	43	66	36	24	13	16	20	16	9	14	18	13	9	8	5	5	8	4	3	3	3	2		3
1965										5	23	39	29	27	25	21	16	20	27	19	16	20	18	6	7	6	7	9	2	3					
1966										5	18	23	26	38	54	35	28	36	21	32	18	10	8	6	3	2	1	1							
1967										2	12	37	40	10	17	20	21	22	22	24	16	20	10	14	11	14	7		2	1	2				
1968										1	1	6	31	26	21	20	20	51	30	23	28	19	27	16	13	9	6	3	8	4	2	1			
1969											8	27	20	19	25	30	31	43	51	38	15	13	16	6	9	3	6	2			3				
1970											4	10	21	19	19	35	34	32	39	39	34	23	16	9	10	6	8	5	2						
1971											9	34	30	40	58	55	31	32	13	14	16	10	5	6	3	2	3	4							
1972											1	25	32	31	21	17	26	29	37	42	29	17	13	13	10	8	7	3	3	2					
1973												8	19	18	26	33	31	35	31	37	33	27	19	20	12	13	3								
1974											1	2	2	17	40	25	21	14	28	31	37	35	30	20	11	23	8	11	4	5					
1975												6	18	30	41	33	19	13	19	27	28	37	35	22	12	8	7	6	1	1	2				

## 03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976						1	4	11	26	24	29	31	36	38	31	13	18	30	23	16	9	6	7	4	3	4	2		
1977		3	34	28	45	65				35	23	19	12	19	18	14	10	14	7	8	6	5							
1978										4	19	36	61	35	36	23	25	29	15	23	12	11		6	10	7	7	4	2
1979										7	16	26	24	35	39	48	36	28	27	16	14	11	11	11	5	6	3	2	
1980											3	15	22	39	52	36	44	39	26	21	21	16	14	11	3	2		2	
1981																													
1982									8	40	55	53	31	26	22	22	21	25	20	15	9	6		6	3		1	2	
1983								14	13	12	27	39	30	15	19	36	29	24	11	21	18	21		7	8	13	7	1	
1984							2	53	39	22	15	8	24	31	47	32	25	18	13	8	11	5		4	5	1	2		
1985							3	6	16	37	21	25	33	24	27	17	23	33	31	15	15	12		7	10	7	6		
1985									13	31	37	19	26	32	20	33	36	28	22	16	10	13		9	7	6	3	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20454	100.00	12	130.0	1094	18884	92.32	24	2800.0	689	2500	12.22
1	8.0	4	20454	100.00	13	170.0	1548	17790	86.98	25	3600.0	490	1811	8.85
2	10.0	2	20450	99.98	14	220.0	1555	16242	79.41	26	4600.0	440	1321	6.46
3	13.0	6	20448	99.97	15	280.0	1436	14687	71.81	27	6000.0	314	881	4.31
4	17.0	6	20442	99.94	16	360.0	1468	13251	64.78	28	7700.0	233	567	2.77
5	22.0	9	20436	99.91	17	470.0	1539	11783	57.61	29	10000.0	158	334	1.63
6	29.0	15	20427	99.87	18	610.0	1494	10244	50.08	30	13000.0	89	176	0.86
7	37.0	42	20412	99.79	19	780.0	1519	8750	42.78	31	17000.0	50	87	0.43
8	48.0	117	20370	99.59	20	1000.0	1556	7231	35.35	32	21000.0	25	37	0.18
9	61.0	215	20253	99.02	21	1300.0	1304	5675	27.75	33	28000.0	12	12	0.06
10	79.0	357	20038	97.97	22	1700.0	1075	4371	21.37	34	36000.0	0	0	0.00
11	100.0	797	19681	96.22	23	2200.0	796	3296	16.11					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 109.0  
 P90 = 147.0  
 P75 = 255.0  
 P70 = 301.0  
 P50 = 612.0  
 P25 = 1470.0  
 P10 = 3330.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1906	255.00 54	255.00 54	258.00 53	285.00 53	357.00 51	461.00 50	598.00 51	868.00 52	853.00 48
1931	75.00 14	91.00 19	133.00 28	186.00 38	210.00 36	229.00 32	249.00 28	249.00 22	261.00 15
1932	125.00 30	133.00 29	159.00 34	167.00 32	201.00 34	264.00 39	290.00 35	345.00 38	390.00 27
1933	52.00 7	72.00 12	83.00 12	93.00 11	109.00 13	165.00 21	249.00 29	327.00 35	413.00 31
1934	153.00 43	184.00 45	200.00 43	228.00 45	247.00 43	272.00 41	314.00 38	329.00 36	377.00 25
1935	42.00 4	43.00 3	44.00 3	53.00 3	71.00 5	101.00 7	110.00 7	120.00 7	125.00 2
1936	82.00 17	87.00 16	96.00 16	98.00 15	110.00 14	135.00 18	197.00 20	222.00 18	276.00 16
1937	49.00 5	50.00 5	54.00 4	57.00 4	58.00 3	77.00 3	89.00 3	118.00 6	319.00 20
1938	245.00 52	251.00 53	256.00 52	278.00 52	300.00 47	567.00 54	566.00 49	638.00 48	811.00 46
1939	179.00 46	191.00 46	217.00 48	225.00 44	229.00 41	253.00 37	276.00 32	326.00 34	421.00 32
1940	100.00 24	101.00 22	104.00 21	108.00 20	116.00 17	134.00 17	170.00 17	178.00 14	238.00 13
1941	22.00 2	30.00 2	41.00 2	47.00 2	51.00 2	63.00 2	65.00 1	81.00 1	123.00 1
1942	8.00 1	8.50 1	12.00 1	13.00 1	28.00 1	36.00 1	76.00 2	105.00 3	150.00 6
1943	120.00 28	130.00 28	132.00 26	147.00 27	159.00 25	205.00 28	274.00 31	287.00 29	409.00 30
1944	150.00 41	155.00 41	158.00 32	159.00 29	171.00 29	180.00 24	201.00 22	254.00 25	303.00 19
1945	79.00 15	86.00 15	93.00 15	95.00 12	106.00 11	119.00 11	123.00 9	124.00 8	139.00 4
1946	207.00 51	215.00 51	231.00 50	269.00 49	291.00 46	497.00 52	609.00 52	942.00 54	953.00 50
1947	141.00 39	152.00 38	159.00 33	163.00 30	166.00 26	175.00 23	188.00 18	221.00 17	375.00 24
1948	127.00 31	137.00 31	152.00 31	168.00 33	225.00 39	260.00 38	284.00 34	305.00 30	452.00 36
1949	113.00 26	127.00 27	133.00 27	142.00 25	168.00 28	200.00 26	236.00 25	307.00 31	552.00 40
1950	135.00 35	138.00 32	145.00 29	193.00 40	230.00 42	267.00 40	325.00 41	323.00 33	424.00 33
1951	167.00 44	178.00 44	206.00 45	264.00 48	386.00 53	430.00 49	610.00 53	595.00 46	954.00 51
1952	88.00 21	107.00 25	110.00 24	129.00 24	141.00 23	151.00 19	194.00 19	253.00 24	451.00 35
1953	135.00 36	148.00 37	166.00 38	173.00 35	213.00 37	244.00 34	346.00 42	333.00 37	476.00 39
1954	85.00 19	94.00 20	102.00 20	109.00 21	113.00 15	120.00 12	141.00 12	142.00 11	209.00 11
1955	42.00 3	47.00 4	56.00 5	63.00 5	71.00 4	118.00 10	129.00 11	163.00 13	214.00 12
1956	79.00 16	84.00 14	92.00 14	96.00 13	136.00 21	215.00 29	430.00 46	563.00 45	681.00 44
1957	84.00 18	91.00 17	98.00 17	101.00 16	109.00 12	130.00 14	145.00 14	223.00 19	295.00 18
1958	199.00 48	206.00 49	212.00 47	242.00 46	437.00 56	585.00 55	668.00 54	845.00 51	1740.00 56
1959	274.00 55	304.00 55	330.00 55	363.00 55	390.00 54	494.00 51	582.00 50	878.00 53	1230.00 54
1960	98.00 23	103.00 24	108.00 22	120.00 23	146.00 24	172.00 22	210.00 23	256.00 26	349.00 21

## 03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	88.00 20	91.00 18	99.00 18	102.00 17	118.00 18	132.00 15	144.00 13	141.00 10	154.00 7
1962	202.00 50	204.00 48	210.00 46	222.00 43	257.00 44	331.00 44	319.00 39	385.00 41	464.00 38
1963	130.00 33	143.00 35	162.00 37	181.00 37	198.00 33	232.00 33	243.00 26	250.00 23	281.00 17
1964	52.00 6	53.00 6	56.00 6	63.00 6	75.00 7	98.00 5	104.00 4	102.00 2	126.00 3
1965	59.00 11	63.00 9	68.00 10	71.00 7	79.00 8	99.00 6	108.00 5	117.00 4	195.00 9
1966	58.00 10	66.00 10	74.00 11	84.00 10	123.00 19	154.00 20	198.00 21	242.00 21	240.00 14
1967	57.00 8	60.00 7	67.00 8	74.00 9	85.00 9	103.00 8	111.00 8	117.00 5	167.00 8
1968	72.00 13	77.00 13	91.00 13	98.00 14	102.00 10	111.00 9	125.00 10	153.00 12	205.00 10
1969	143.00 40	154.00 40	171.00 39	176.00 36	182.00 31	205.00 27	259.00 30	413.00 43	553.00 41
1970	191.00 47	198.00 47	227.00 49	263.00 47	309.00 49	629.00 56	878.00 56	951.00 55	1050.00 52
1971	116.00 27	122.00 26	128.00 25	143.00 26	177.00 30	246.00 35	319.00 40	351.00 39	393.00 28
1972	123.00 29	140.00 33	151.00 30	154.00 28	167.00 27	218.00 30	280.00 33	269.00 28	374.00 23
1973	133.00 34	136.00 30	160.00 35	170.00 34	221.00 38	290.00 43	411.00 45	604.00 47	838.00 47
1974	246.00 53	248.00 52	270.00 54	301.00 54	359.00 52	403.00 47	434.00 47	737.00 50	1050.00 53
1975	127.00 32	142.00 34	202.00 44	275.00 51	280.00 45	345.00 45	385.00 43	402.00 42	724.00 45
1976	139.00 37	148.00 36	178.00 40	188.00 39	204.00 35	252.00 36	297.00 36	311.00 32	460.00 37
1977	67.00 12	67.00 11	68.00 9	71.00 8	74.00 6	95.00 4	109.00 6	126.00 9	141.00 5
1978	58.00 9	60.00 8	62.00 7	104.00 18	140.00 22	191.00 25	235.00 24	241.00 20	359.00 22
1979	173.00 45	175.00 43	188.00 42	200.00 41	308.00 48	358.00 46	565.00 48	720.00 49	908.00 49
1980	313.00 56	322.00 56	339.00 56	386.00 56	398.00 55	542.00 53	798.00 55	1230.00 56	1380.00 55
1981	140.00 38	153.00 39	160.00 36	163.00 31	186.00 32	227.00 31	247.00 27	256.00 27	443.00 34
1982	201.00 49	215.00 50	234.00 51	271.00 50	323.00 50	424.00 48	395.00 44	494.00 44	625.00 43
1983	101.00 25	102.00 23	108.00 23	112.00 22	123.00 20	128.00 13	155.00 15	210.00 16	407.00 29
1984	97.00 22	97.00 21	99.00 19	105.00 19	115.00 16	132.00 16	155.00 16	189.00 15	378.00 26
1985	152.00 42	163.00 42	182.00 41	221.00 42	227.00 40	289.00 42	309.00 37	375.00 40	584.00 42

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1905	8600.00 50	7920.00 50	5140.00 50	3520.00 50	2870.00 50	2310.00 48	2280.00 44	2060.00 43	1540.00 47
1931	3150.00 55	2820.00 55	2090.00 56	1850.00 54	1470.00 54	1210.00 53	957.00 53	808.00 54	650.00 54
1932	14000.00 33	12300.00 34	9170.00 34	7310.00 28	5220.00 25	3980.00 29	3280.00 28	2770.00 30	2160.00 33
1933	30700.00 4	29700.00 3	20500.00 4	12100.00 7	7620.00 10	6620.00 3	5290.00 3	4290.00 5	3920.00 2
1934	5400.00 52	4920.00 51	3600.00 51	2220.00 53	1710.00 53	1190.00 54	894.00 54	769.00 55	617.00 55
1935	10800.00 42	9380.00 45	8060.00 37	5350.00 41	3140.00 46	1980.00 49	1800.00 49	1520.00 49	1180.00 49
1936	14500.00 32	13100.00 32	8360.00 36	4760.00 45	3070.00 48	2500.00 45	2150.00 46	1760.00 47	1270.00 48
1937	32000.00 3	28600.00 4	18500.00 5	13200.00 4	9080.00 5	6360.00 5	4760.00 7	4350.00 4	3330.00 6
1938	25100.00 10	21000.00 11	13500.00 14	12400.00 6	9250.00 3	6710.00 2	4960.00 4	4430.00 3	3480.00 5
1939	21700.00 14	19000.00 15	13100.00 15	7940.00 23	5100.00 28	4450.00 21	4130.00 16	3330.00 20	2420.00 25
1940	10400.00 44	10000.00 41	7710.00 38	4710.00 46	3080.00 47	1970.00 50	1710.00 50	1490.00 50	1130.00 50
1941	2970.00 56	2780.00 56	2100.00 55	1610.00 56	1020.00 56	596.00 56	465.00 56	402.00 56	351.00 56
1942	12200.00 36	10200.00 40	6740.00 47	5520.00 39	3820.00 40	3170.00 36	2920.00 34	2450.00 39	1920.00 39
1943	35800.00 1	33300.00 1	21700.00 3	15500.00 2	9110.00 4	5220.00 13	4230.00 12	3490.00 18	2710.00 20
1944	24100.00 11	22100.00 10	15000.00 10	9730.00 13	6310.00 17	4500.00 19	3590.00 21	2930.00 25	2000.00 36
1945	13800.00 34	13200.00 31	10100.00 31	6200.00 36	3940.00 38	3140.00 37	3200.00 29	3040.00 23	2290.00 31
1946	9530.00 47	8430.00 48	6890.00 46	4910.00 43	3770.00 41	2940.00 40	2830.00 36	2480.00 38	2370.00 28
1947	10800.00 43	9820.00 42	7680.00 39	5690.00 37	4440.00 33	3960.00 30	3360.00 26	2740.00 31	2390.00 26
1948	17400.00 24	16900.00 21	13800.00 13	11000.00 9	10000.00 2	6190.00 6	4820.00 6	4030.00 7	3080.00 11
1949	16400.00 28	15600.00 25	10400.00 29	8930.00 16	7580.00 11	5610.00 9	4440.00 11	3890.00 9	2960.00 12
1950	26400.00 8	24500.00 7	17400.00 6	16700.00 1	12600.00 1	9350.00 1	7510.00 1	6380.00 1	4680.00 1
1951	16800.00 26	15600.00 26	11000.00 26	8090.00 21	5200.00 26	4000.00 28	3660.00 20	3350.00 19	3090.00 10
1952	17500.00 22	14200.00 28	8910.00 35	7950.00 22	5520.00 22	4570.00 18	4160.00 14	3820.00 11	3100.00 9
1953	11200.00 40	10900.00 37	6970.00 45	4760.00 44	3610.00 42	2540.00 44	2580.00 41	2240.00 41	1970.00 37
1954	5540.00 51	4820.00 52	3580.00 52	2950.00 51	2280.00 51	1590.00 52	1320.00 52	1110.00 52	842.00 51
1955	9400.00 49	8110.00 49	5400.00 49	3570.00 49	2960.00 49	2410.00 47	2110.00 47	2030.00 44	1630.00 43
1956	23700.00 12	19500.00 13	12500.00 18	7510.00 26	4440.00 34	3040.00 38	2660.00 39	2930.00 26	2310.00 30
1957	26300.00 9	23900.00 9	15100.00 9	9840.00 12	7100.00 14	5340.00 12	5530.00 2	4750.00 2	3670.00 3
1958	29400.00 5	28100.00 5	24000.00 1	14300.00 3	8160.00 6	6060.00 7	4450.00 10	3790.00 12	2910.00 14
1959	17400.00 23	16300.00 23	11300.00 23	6910.00 30	6640.00 16	4790.00 15	3920.00 18	3720.00 13	2870.00 16
1960	9450.00 48	8790.00 47	7200.00 44	4670.00 47	3490.00 43	2420.00 46	2210.00 45	2000.00 46	1620.00 44
1961	18500.00 19	17400.00 16	14100.00 12	9420.00 15	6970.00 15	5530.00 10	4650.00 8	3860.00 10	2750.00 19
1962	22000.00 13	19700.00 12	11300.00 24	6660.00 34	4610.00 30	4070.00 25	3400.00 23	2790.00 29	2100.00 34
1963	27200.00 6	24700.00 6	15200.00 8	9600.00 14	7210.00 13	4690.00 16	3400.00 24	2670.00 33	1860.00 41
1964	35000.00 2	33100.00 2	21700.00 2	12600.00 5	7960.00 9	6380.00 4	4580.00 9	3580.00 14	2560.00 23
1965	11400.00 39	10300.00 39	7450.00 42	5560.00 38	4090.00 37	3480.00 33	3140.00 32	2560.00 36	1870.00 40

03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	4790.00	53	4080.00	53	2780.00	54	1730.00	55	1220.00	55	883.00	55	866.00	55	824.00	53	708.00	53
1967	18200.00	21	17300.00	19	12200.00	19	6900.00	31	3900.00	39	2910.00	41	2640.00	40	2590.00	34	2380.00	27
1968	17000.00	25	16200.00	24	12800.00	17	7560.00	25	4410.00	35	3410.00	34	2790.00	37	2570.00	35	2440.00	24
1969	20200.00	15	19000.00	14	12900.00	16	8400.00	18	6150.00	18	4030.00	27	2990.00	33	2870.00	27	2250.00	32
1970	10300.00	45	9110.00	46	7450.00	43	5240.00	42	3390.00	45	2680.00	42	2690.00	38	2410.00	40	2100.00	35
1971	12900.00	35	12300.00	35	10100.00	30	6800.00	32	4610.00	31	3200.00	35	2290.00	43	2070.00	42	1610.00	46
1972	16700.00	27	14600.00	27	10800.00	28	7360.00	27	5470.00	24	3600.00	31	2910.00	35	2490.00	37	2340.00	29
1973	12000.00	38	11000.00	36	7590.00	40	6250.00	35	5600.00	21	4230.00	22	3380.00	25	3030.00	24	3220.00	8
1974	15000.00	30	13300.00	30	11000.00	27	8630.00	17	5500.00	23	4590.00	17	4160.00	15	3960.00	8	3530.00	4
1975	18600.00	17	17100.00	20	11400.00	22	7180.00	29	5000.00	29	4040.00	26	3710.00	19	3550.00	16	2960.00	13
1976	15800.00	29	14100.00	29	9780.00	33	8110.00	20	6020.00	20	4080.00	24	3190.00	31	2710.00	32	1970.00	38
1977	4580.00	54	3940.00	54	3080.00	53	2410.00	52	1840.00	52	1660.00	51	1430.00	51	1150.00	51	840.00	52
1978	18500.00	20	17400.00	17	14200.00	11	12000.00	8	8120.00	7	5200.00	14	4180.00	13	3510.00	17	2840.00	17
1979	18600.00	18	17300.00	18	11700.00	20	9930.00	11	6050.00	19	4490.00	20	3310.00	27	2860.00	28	2830.00	18
1980	19300.00	16	16800.00	22	11400.00	21	6740.00	33	4480.00	32	3590.00	32	3200.00	30	3090.00	21	2570.00	22
1981	10200.00	46	9590.00	43	7460.00	41	5380.00	40	4260.00	36	2960.00	39	2310.00	42	2020.00	45	1650.00	42
1982	14500.00	31	12800.00	33	11100.00	25	8220.00	19	7970.00	8	5930.00	8	4870.00	5	4280.00	6	3280.00	7
1983	10800.00	41	9570.00	44	6490.00	48	4000.00	48	3430.00	44	2550.00	43	2000.00	48	1730.00	48	1620.00	45
1984	12100.00	37	10700.00	38	9940.00	32	7760.00	24	5170.00	27	4130.00	23	3580.00	22	3060.00	22	2600.00	21
1985	27000.00	7	24400.00	8	16200.00	7	10400.00	10	7290.00	12	5450.00	11	4080.00	17	3570.00	15	2880.00	15

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1906	1520.00	36
1931	532.00	3
1932	1300.00	28
1933	1430.00	31
1934	1350.00	29
1935	307.00	1
1936	988.00	14
1937	1580.00	38
1938	1850.00	43
1939	1920.00	45
1940	824.00	9
1941	498.00	2
1942	721.00	5
1943	1070.00	19
1944	1510.00	34
1945	1050.00	16
1946	1990.00	47
1947	1050.00	17
1948	1780.00	42
1949	2230.00	53
1950	2370.00	54
1951	1990.00	48
1952	1770.00	41
1953	1250.00	23
1954	792.00	7
1955	897.00	10
1956	1280.00	26
1957	1160.00	21
1958	2630.00	56
1959	2510.00	55
1960	1250.00	24
1961	956.00	13
1962	1860.00	44
1963	1050.00	18
1964	816.00	8
1965	1420.00	30
1966	772.00	6
1967	1030.00	15
1968	1280.00	25
1969	1520.00	35
1970	1490.00	32
1971	1210.00	22
1972	946.00	11
1973	2180.00	52
1974	2110.00	51
1975	2040.00	49

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1905	1050.00	42
1931	467.00	53
1932	1270.00	36
1933	2280.00	3
1934	415.00	55
1935	687.00	49
1936	712.00	48
1937	2040.00	8
1938	2230.00	4
1939	1390.00	29
1940	637.00	50
1941	233.00	56
1942	1100.00	40
1943	1690.00	19
1944	1110.00	38
1945	1280.00	34
1946	1570.00	22
1947	1440.00	27
1948	1710.00	17
1949	1750.00	15
1950	2700.00	1
1951	1820.00	14
1952	1830.00	13
1953	1230.00	37
1954	492.00	52
1955	1000.00	45
1956	1670.00	21
1957	2070.00	7
1958	2330.00	2
1959	1680.00	20
1960	1100.00	39
1961	1480.00	25
1962	1310.00	32
1963	1060.00	41
1964	1340.00	31
1965	1030.00	43
1966	443.00	54
1967	1290.00	33
1968	1480.00	26
1969	1510.00	24
1970	1380.00	30
1971	1000.00	46
1972	1420.00	28
1973	2220.00	5
1974	2200.00	6
1975	1720.00	16



03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	1540.00	37
1977	568.00	4
1978	1300.00	27
1979	1750.00	39
1980	1960.00	46
1981	1130.00	20
1982	2080.00	50
1983	956.00	12
1984	1500.00	33
1985	1760.00	40

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1976	1270.00	35
1977	498.00	51
1978	1880.00	10
1979	1920.00	9
1980	1860.00	11
1981	1010.00	44
1982	1850.00	12
1983	948.00	47
1984	1530.00	23
1985	1690.00	18

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1904	*	*	*	*	*	*	*	*	1045.0	759.00	314.00	284.00
1905	265.00	238.00	391.00	598.00	759.00	2171.0	1990.0	2522.0	972.00	436.00	802.00	1490.0
1906	1008.0	668.00	1075.0	2492.0	791.00	3941.0	4287.0	566.00	632.00	*	*	*
1930	*	*	*	*	*	*	*	1893.0	736.00	562.00	364.00	327.00
1931	243.00	219.00	292.00	245.00	358.00	918.00	1391.0	531.00	341.00	315.00	298.00	465.00
1932	576.00	785.00	2392.0	4941.0	2330.0	1225.0	956.00	638.00	603.00	333.00	129.00	379.00
1933	516.00	1268.0	3229.0	3264.0	1395.0	4421.0	3485.0	7423.0	950.00	353.00	362.00	569.00
1934	392.00	264.00	366.00	430.00	245.00	1226.0	1112.0	299.00	216.00	138.00	130.00	142.00
1935	126.00	110.00	126.00	400.00	242.00	649.00	656.00	3054.0	831.00	1416.0	379.00	180.00
1936	114.00	311.00	291.00	402.00	2240.0	2000.0	1330.0	1347.0	302.00	90.30	79.40	105.00
1937	245.00	1252.0	597.00	8806.0	3530.0	1318.0	3434.0	1286.0	1419.0	857.00	1118.0	688.00
1938	756.00	464.00	2834.0	1012.0	3269.0	5100.0	6529.0	1520.0	2726.0	1813.0	537.00	332.00
1939	235.00	358.00	376.00	1217.0	3188.0	4361.0	4443.0	794.00	651.00	683.00	413.00	124.00
1940	173.00	214.00	203.00	355.00	868.00	1036.0	2905.0	898.00	752.00	160.00	71.80	65.50
1941	70.10	139.00	255.00	214.00	283.00	207.00	274.00	113.00	1012.0	176.00	42.50	31.50
1942	178.00	259.00	266.00	250.00	2977.0	3252.0	2512.0	1093.0	1573.0	292.00	388.00	374.00
1943	162.00	776.00	1029.0	976.00	1168.0	2493.0	821.00	8594.0	1567.0	1013.0	927.00	556.00
1944	189.00	439.00	217.00	173.00	845.00	2674.0	6230.0	1541.0	537.00	169.00	233.00	140.00
1945	112.00	150.00	118.00	127.00	591.00	2651.0	3562.0	2338.0	3518.0	803.00	591.00	781.00
1946	1819.0	881.00	1501.0	2343.0	2114.0	3645.0	888.00	2825.0	1629.0	702.00	301.00	168.00
1947	189.00	234.00	675.00	2163.0	1487.0	1394.0	3367.0	3435.0	2554.0	917.00	567.00	278.00
1948	275.00	307.00	364.00	2352.0	1636.0	5291.0	6666.0	1624.0	867.00	726.00	311.00	193.00
1949	208.00	1187.0	2147.0	7400.0	3393.0	2194.0	1404.0	941.00	1016.0	599.00	336.00	252.00
1950	526.00	264.00	1007.0	12120.0	6452.0	3703.0	2854.0	1162.0	1769.0	1344.0	407.00	969.00
1951	454.00	1745.0	3030.0	2995.0	4944.0	2417.0	3135.0	1390.0	663.00	947.00	237.00	152.00
1952	216.00	512.00	2181.0	4156.0	3458.0	4203.0	3091.0	1509.0	1385.0	425.00	301.00	593.00
1953	221.00	385.00	1007.0	1393.0	1203.0	3504.0	1350.0	2728.0	802.00	1461.0	505.00	165.00
1954	125.00	149.00	176.00	348.00	557.00	1089.0	2073.0	557.00	438.00	158.00	183.00	78.80
1955	412.00	223.00	424.00	1987.0	1343.0	2910.0	1770.0	697.00	923.00	851.00	236.00	280.00
1956	1143.0	3056.0	927.00	396.00	3406.0	1871.0	2096.0	3535.0	2139.0	947.00	426.00	208.00
1957	132.00	165.00	450.00	1146.0	1617.0	1158.0	7037.0	3565.0	5093.0	3149.0	883.00	584.00
1958	787.00	1550.0	5149.0	1558.0	774.00	1318.0	1101.0	1777.0	7910.0	2574.0	2704.0	634.00
1959	482.00	1502.0	887.00	3494.0	4664.0	2590.0	2953.0	2442.0	708.00	315.00	202.00	161.00
1960	369.00	577.00	1102.0	1884.0	2969.0	1442.0	1241.0	898.00	1044.0	1312.0	277.00	145.00
1961	126.00	173.00	133.00	169.00	363.00	5493.0	5368.0	2816.0	1481.0	639.00	550.00	367.00
1962	302.00	535.00	400.00	3991.0	2145.0	3814.0	912.00	1031.0	548.00	1420.0	298.00	266.00
1963	422.00	269.00	223.00	262.00	250.00	6610.0	2398.0	953.00	470.00	402.00	202.00	109.00
1964	93.90	140.00	77.30	163.00	178.00	4560.0	7777.0	1217.0	565.00	1073.0	152.00	141.00
1965	79.40	132.00	177.00	729.00	2290.0	2868.0	4059.0	938.00	461.00	261.00	157.00	324.00
1966	292.00	230.00	189.00	702.00	1063.0	687.00	597.00	934.00	286.00	147.00	99.10	136.00
1967	101.00	272.00	3734.0	1141.0	1552.0	3346.0	2142.0	2275.0	451.00	185.00	123.00	103.00
1968	220.00	174.00	3233.0	1501.0	3601.0	1453.0	2080.0	2610.0	1398.0	445.00	938.00	218.00
1969	199.00	564.00	1650.0	3927.0	3429.0	888.00	2602.0	1111.0	990.00	1355.0	847.00	740.00
1970	1398.0	2384.0	1045.0	1297.0	2293.0	1923.0	3291.0	1356.0	690.00	465.00	408.00	183.00
1971	403.00	486.00	525.00	500.00	4514.0	2027.0	542.00	1291.0	1026.0	360.00	211.00	413.00
1972	286.00	172.00	2512.0	1965.0	713.00	1793.0	5393.0	1508.0	1177.0	621.00	260.00	660.00
1973	872.00	4518.0	2851.0	2068.0	1675.0	4649.0	3559.0	1039.0	2540.0	970.00	1533.0	366.00
1974	442.00	1434.0	3116.0	5008.0	2666.0	2702.0	3503.0	2854.0	2872.0	937.00	372.00	503.00
1975	288.00	461.00	1812.0	2995.0	4965.0	3148.0	3050.0	1776.0	1292.0	396.00	362.00	314.00
1976	258.00	363.00	1281.0	1936.0	4977.0	2693.0	619.00	381.00	1024.0	1321.0	372.00	134.00
1977	172.00	141.00	129.00	78.40	627.00	1807.0	1190.0	865.00	254.00	171.00	349.00	196.00
1978	817.00	381.00	3698.0	672.00	393.00	6482.0	3311.0	2299.0	1099.0	1080.0	1408.0	669.00
1979	410.00	813.00	1435.0	1775.0	2438.0	4315.0	2853.0	812.00	1103.0	3004.0	3399.0	623.00
1980	497.00	2223.0	2233.0	1420.0	1349.0	3980.0	2581.0	1166.0	3988.0	763.00	1649.0	519.00
1981	274.00	267.00	292.00	193.00	1344.0	578.00	1112.0	3881.0	1758.0	1053.0	722.00	642.00
1982	467.00	398.00	1020.0	2760.0	5088.0	6238.0	2666.0	1089.0	1543.0	681.00	348.00	147.00
1983	123.00	268.00	2015.0	773.00	1024.0	826.00	2494.0	2550.0	628.00	378.00	177.00	118.00
1984	244.00	1039.0	2840.0	506.00	2528.0	4457.0	3596.0	1539.0	548.00	484.00	324.00	329.00
1985	354.00	1712.0	2006.0	1781.0	4665.0	4044.0	3181.0	1261.0	631.00	240.00	355.00	287.00

## WABASH RIVER BASIN

03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
176.00	227.00	292.00	401.00	783.00	1356.00
FIFTIETH PERCENTILE					
274.00	381.00	1007.00	1297.00	1636.00	2651.00
SEVENTY FIFTH PERCENTILE					
461.00	847.00	2164.00	2422.00	3331.00	4012.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1308.00	925.00	603.00	329.00	228.00	147.00
FIFTIETH PERCENTILE					
2592.00	1319.00	990.00	660.00	349.00	282.00
SEVENTY FIFTH PERCENTILE					
3490.00	2462.00	1543.00	1023.00	554.00	528.00

## 03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°03'50", in SW¼NW¼ sec.2, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank 46 ft upstream from Arlington Avenue bridge in Indianapolis, 0.5 mi downstream from small left-bank tributary, and at mile 7.9.

DRAINAGE AREA.--7.58 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1959 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--25 years (water years 1961 to 1985), 7.73 ft<sup>3</sup>/s, 13.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft<sup>3</sup>/s June 25, 1978, gage height, 13.86 ft; no flow at times in 1960-62.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1956 reached a stage of 16.0 ft, from information by local resident.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1961	35	17			21	22	23	23	28	20	13	16	19	22	13	11	9	14	10	6	14	4	6	6	3	2	1	3	1	1		1	1			
1962	6	13			28	18	17	18	21	11	19	24	22	27	28	24	20	22	8	6	8	5	7	3	4	1	1		2	1	1					
1963		6			11	6	31	36	54	31	34	34	20	18	17	14	6	9	9	4	8		5	1	3	2	2	2			1			1		
1964		8			45	30	47	20	18	23	42	24	18	23	13	12	7	4	3	8	4	3	2	2	1	2		3	1	1	1			1		
1965		21			39	32	27	30	20	16	21	20	15	18	16	19	8	15	11	3	9	3	8	2	3	4	1	2	1	1						
1966		8			10	13	15	14	28	13	68	31	46	32	19	18	15	13	2	4	5	5	2		3		1									
1967	3	6	14	4	12	16	14	18	19	37	32	39	29	30	26	8	13	7	6	10	4	2	3	4	3		3	2		1						
1968		1			1	1	4	20	27	23	33	41	40	45	20	13	18	16	9	16	12	3	3	5	2	1	3	2	3	2	1	1				
1969					3	5	11	18	43	31	35	51	25	11	25	19	21	16	8	6	10	2	2	5	4	4	2	2	3	2				1		
1970		3	4		6	23	16	36	39	58	16	52	14	11	16	10	14	12	3	7	7	2	3	3	2	3	2	1	1			1				
1971					4	9	7	10	28	59	84	37	17	18	15	21	12	7	7	11	4	2	4	2	3		2	1	1							
1972					3			18	36	57	28	31	31	35	18	23	10	18	9	12	12	6	3	4	4	1	3	1	2	1						
1973					4			4	18	55	32	22	44	36	31	21	13	7	18	16	8	10	4	4	8	1	4	2	1	1	1			1		
1974					1	11	30	13	30	9	24	40	31	25	28	15	18	13	21	8	12	13	8	6	3	1	3	1	1							
1975						5	8	21	29	27	37	37	30	28	38	18	14	16	17	7	5	6	11	3	2	3	2				1					
1976								40	29	27	31	36	25	32	26	22	19	17	11	5	11	3	9	6	5	5	3	1	2	1						
1977					8	18	38	77	46	34	26	12	14	12	11	17	7	6	6	8	7	8	2	2		3	1	1	1							
1978					3	21	20	38	45	37	35	23	20	18	20	12	15	11	9	10	6	8	5	2	1	2	1				1	2				
1979					3	5	7	54	47	42	35	28	16	13	20	20	12	8	10	7	8	10	4	3	6	1	1	1	2	1	1					
1980						5	11	38	59	35	31	30	24	20	21	17	8	12	15	5	11	6	10	3	5											
1981								26	78	52	29	30	14	24	16	17	13	16	9	4	5	10	9	3	5	1		1	3							
1982								7	50	52	34	32	22	18	18	12	28	18	12	9	12	9	7	4	6	8	2	2	3							
1983					3	6	14	42	27	27	11	32	38	36	23	19	10	18	9	8	12	5	7	5	5	6	1	1								
1984					1	2		3	18	37	37	25	30	33	23	24	21	27	12	16	17	9	5	9	3	9	2		2			1				
1985								7	36	32	16	44	34	27	29	19	23	20	12	17	10	6	11	4	3	7	2	3	1	1	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	41	9131	100.00	12	1.3	859	5563	60.92	24	32.0	116	484	5.30
1	0.07	3	9090	99.55	13	1.7	677	4704	51.52	25	41.0	108	368	4.03
2	0.09	79	9087	99.52	14	2.2	683	4027	44.10	26	54.0	90	260	2.85
3	0.12	18	9008	98.65	15	2.9	553	3344	36.62	27	71.0	49	170	1.86
4	0.16	9	8990	98.46	16	3.8	442	2791	30.57	28	92.0	41	121	1.33
5	0.20	181	8981	98.36	17	4.9	452	2349	25.73	29	120.0	36	80	0.88
6	0.27	184	8800	96.37	18	6.4	376	1897	20.78	30	160.0	19	44	0.48
7	0.35	257	8616	94.36	19	8.4	236	1521	16.66	31	200.0	13	25	0.27
8	0.45	432	8359	91.55	20	11.0	233	1285	14.07	32	270.0	5	12	0.13
9	0.59	721	7927	86.81	21	14.0	269	1052	11.52	33	350.0	5	7	0.08
10	0.77	764	7206	78.92	22	19.0	138	783	8.58	34	450.0	2	2	0.02
11	1.0	879	6442	70.55	23	24.0	161	645	7.06					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.32
P90 =	0.50
P75 =	0.88
P70 =	1.0
P50 =	1.8
P25 =	5.1
P10 =	16.6

## 03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	0.00 1	0.00 1	0.00 1	0.00 1	0.27 1	0.62 4	0.78 4	0.93 3	1.10 2
1962	0.00 2	0.00 2	0.01 2	0.22 5	0.43 5	1.19 11	1.40 8	1.70 7	2.00 5
1963	0.00 3	0.03 3	0.13 3	0.18 2	0.69 11	1.40 14	1.90 14	1.70 8	2.10 7
1964	0.10 5	0.10 5	0.21 9	0.28 8	0.35 2	0.44 1	0.53 1	0.69 2	0.94 1
1965	0.10 6	0.10 6	0.14 5	0.22 6	0.39 3	0.64 5	0.60 3	1.00 4	2.00 6
1966	0.10 7	0.10 7	0.19 8	0.29 9	0.65 9	1.30 12	1.80 12	2.00 10	2.40 9
1967	0.10 8	0.10 8	0.13 4	0.25 7	0.68 10	1.40 13	1.30 5	1.40 5	1.90 3
1968	0.07 4	0.08 4	0.16 6	0.18 3	0.46 6	0.54 2	0.55 2	0.58 1	2.30 8
1969	0.22 11	0.31 13	0.43 14	0.53 13	0.87 14	1.10 9	1.40 6	2.60 15	3.60 13
1970	0.22 12	0.24 11	0.29 11	0.46 11	0.58 8	1.19 10	3.10 18	3.80 17	5.00 17
1971	0.13 9	0.14 9	0.17 7	0.22 4	0.53 7	0.93 7	1.70 11	2.10 11	3.10 12
1972	0.27 13	0.31 14	0.40 13	0.47 12	1.30 18	2.40 20	2.90 17	3.30 16	3.70 14
1973	0.60 24	0.60 24	0.74 23	1.00 22	2.00 25	4.40 24	5.10 24	6.00 23	6.30 21
1974	0.41 17	0.47 19	0.64 22	0.77 17	1.90 24	2.30 18	2.50 16	4.30 20	7.30 25
1975	0.44 19	0.46 18	0.54 19	0.83 21	1.70 22	2.60 21	4.30 22	5.10 22	6.30 22
1976	0.45 20	0.49 20	0.55 20	1.19 24	1.90 23	3.50 22	3.70 20	4.00 18	5.10 19
1977	0.27 14	0.28 12	0.30 12	0.35 10	0.40 4	0.60 3	1.40 7	1.80 9	2.00 4
1978	0.37 15	0.44 15	0.52 16	0.80 19	0.96 16	1.50 15	3.50 19	4.10 19	5.00 18
1979	0.38 16	0.45 17	0.60 21	0.72 16	1.50 20	3.80 23	4.30 23	4.90 21	7.20 24
1980	0.69 25	0.74 25	0.88 25	1.10 23	1.40 19	2.30 19	4.20 21	6.10 24	5.80 20
1981	0.50 22	0.51 21	0.54 17	0.61 15	0.74 12	0.90 6	1.60 9	1.70 6	2.60 10
1982	0.48 21	0.52 22	0.54 18	0.59 14	1.19 17	1.90 17	2.20 15	2.40 13	2.80 11
1983	0.43 18	0.44 16	0.44 15	0.78 18	0.89 15	0.98 8	1.60 10	2.20 12	4.50 16
1984	0.17 10	0.19 10	0.23 10	0.81 20	0.86 13	1.60 16	1.90 13	2.50 14	3.80 15
1985	0.53 23	0.54 23	0.82 24	1.30 25	1.60 21	5.00 25	5.30 25	6.20 25	6.90 23

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1961	434.00 3	160.00 6	88.00 5	68.00 1	45.00 1	31.00 1	27.00 1	21.00 1	15.00 4
1962	216.00 12	85.00 18	40.00 24	30.00 18	21.00 16	17.00 14	15.00 13	13.00 14	10.00 16
1963	574.00 1	228.00 2	105.00 3	60.00 4	44.00 3	27.00 4	19.00 6	15.00 9	11.00 14
1964	454.00 2	241.00 1	123.00 1	65.00 2	33.00 4	29.00 2	20.00 3	16.00 6	12.00 10
1965	188.00 16	118.00 12	54.00 17	26.00 20	20.00 17	16.00 17	14.00 16	13.00 15	9.60 18
1966	90.00 24	45.00 25	25.00 25	13.00 25	8.70 25	7.10 25	5.90 25	5.50 25	4.60 25
1967	165.00 19	118.00 13	64.00 11	37.00 12	20.00 18	12.00 22	9.80 23	8.80 23	8.50 21
1968	272.00 8	135.00 9	81.00 6	41.00 10	24.00 12	21.00 8	16.00 10	15.00 10	14.00 5
1969	420.00 4	163.00 4	74.00 8	50.00 6	30.00 7	20.00 10	15.00 14	13.00 16	12.00 11
1970	213.00 14	77.00 20	41.00 23	23.00 22	13.00 24	10.00 24	8.60 24	7.30 24	6.80 24
1971	182.00 17	74.00 21	54.00 18	31.00 16	24.00 13	15.00 18	12.00 20	9.90 20	7.60 23
1972	214.00 13	100.00 15	48.00 19	35.00 13	23.00 14	17.00 15	13.00 17	12.00 17	11.00 12
1973	291.00 7	167.00 3	76.00 7	46.00 7	26.00 10	19.00 13	16.00 11	14.00 11	13.00 9
1974	264.00 9	133.00 10	63.00 12	37.00 11	27.00 9	20.00 11	17.00 9	16.00 7	17.00 1
1975	220.00 11	131.00 11	60.00 13	33.00 14	23.00 15	19.00 12	19.00 4	17.00 4	14.00 6
1976	165.00 18	71.00 22	56.00 15	30.00 19	18.00 21	15.00 19	13.00 18	12.00 18	9.60 19
1977	164.00 20	107.00 14	55.00 16	31.00 17	20.00 19	15.00 20	12.00 19	9.30 22	8.30 22
1978	383.00 5	161.00 5	98.00 4	57.00 5	32.00 5	22.00 5	18.00 7	21.00 2	17.00 2
1979	371.00 6	154.00 7	114.00 2	63.00 3	45.00 2	28.00 3	21.00 2	16.00 5	16.00 3
1980	90.00 25	57.00 24	42.00 21	22.00 24	16.00 23	12.00 23	11.00 21	10.00 19	9.30 20
1981	140.00 22	91.00 17	68.00 10	45.00 8	31.00 6	21.00 9	15.00 12	13.00 12	10.00 15
1982	150.00 21	84.00 19	59.00 14	32.00 15	28.00 8	22.00 6	19.00 5	17.00 3	14.00 7
1983	105.00 23	66.00 23	42.00 22	23.00 23	18.00 20	14.00 21	11.00 22	9.40 21	9.80 17
1984	211.00 15	94.00 16	43.00 20	24.00 21	17.00 22	16.00 16	14.00 15	13.00 13	11.00 13
1985	240.00 10	141.00 8	70.00 9	41.00 9	25.00 11	21.00 7	17.00 8	15.00 8	14.00 8

## 03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	6.50	11
1962	9.00	18
1963	6.70	12
1964	5.00	4
1965	6.30	10
1966	4.60	1
1967	4.70	2
1968	6.20	9
1969	8.50	17
1970	7.50	13
1971	6.10	8
1972	5.90	6
1973	11.00	22
1974	11.00	23
1975	12.00	24
1976	8.20	16
1977	5.70	5
1978	7.50	14
1979	12.00	25
1980	10.00	19
1981	5.00	3
1982	10.00	20
1983	6.10	7
1984	7.80	15
1985	10.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	8.00	12
1962	6.40	15
1963	6.30	16
1964	6.30	17
1965	5.90	20
1966	3.30	25
1967	4.90	24
1968	9.00	7
1969	8.80	9
1970	5.20	23
1971	5.70	21
1972	8.70	10
1973	11.00	4
1974	12.00	1
1975	9.70	5
1976	7.70	13
1977	5.20	22
1978	12.00	2
1979	11.00	3
1980	7.70	14
1981	6.00	19
1982	8.50	11
1983	6.20	18
1984	9.00	8
1985	9.30	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1960	*	*	*	9.88	13.80	4.55	3.56	10.60	12.50	10.80	1.46	0.98
1961	0.43	1.31	1.34	1.47	5.44	28.10	28.50	18.70	3.59	2.66	1.50	2.71
1962	0.72	2.60	3.32	18.30	10.60	14.60	2.08	12.50	1.06	6.61	2.48	1.46
1963	3.17	1.91	0.95	3.09	1.91	42.30	9.61	2.47	4.23	3.28	1.44	0.52
1964	0.38	1.28	0.72	1.79	2.31	31.60	25.40	1.12	1.87	6.01	2.08	0.93
1965	0.39	1.92	2.62	9.91	14.70	9.86	19.10	2.09	2.13	2.09	1.53	5.00
1966	1.45	3.02	3.44	5.14	8.23	2.77	5.31	2.43	1.47	1.81	1.15	3.31
1967	1.70	7.08	16.50	3.74	3.49	8.41	4.84	10.30	0.69	0.61	0.67	0.49
1968	7.91	3.48	15.20	11.40	9.22	8.92	13.60	22.50	3.23	1.44	9.51	1.33
1969	1.03	5.75	10.10	25.00	5.28	2.08	8.99	4.40	9.14	23.20	5.70	4.64
1970	6.27	10.40	1.81	3.59	4.12	7.32	12.40	2.51	3.35	8.74	1.17	0.71
1971	3.43	3.07	3.96	6.16	25.70	4.33	1.61	5.20	3.11	6.08	1.80	6.08
1972	3.56	1.82	19.90	5.53	5.01	10.80	22.40	4.09	9.54	6.71	3.36	11.80
1973	2.54	26.30	11.40	7.68	6.27	19.10	9.45	3.53	21.60	13.20	8.00	2.62
1974	3.20	11.80	17.80	17.50	8.99	12.00	10.20	17.00	21.40	4.63	7.61	5.73
1975	2.44	6.99	11.90	17.90	19.70	17.10	12.60	7.00	8.01	4.95	2.34	6.12
1976	4.20	7.80	13.00	11.90	11.20	9.29	2.09	4.30	9.76	10.70	6.43	1.89
1977	3.96	2.91	1.05	0.45	15.40	10.10	6.61	5.17	4.35	4.61	7.31	1.63
1978	12.00	4.90	13.50	2.17	1.11	25.20	9.82	15.10	20.20	15.90	15.80	2.64
1979	5.56	4.68	10.70	10.40	12.10	15.80	11.60	3.75	5.01	33.80	21.30	1.44
1980	3.22	13.90	9.04	4.40	2.92	14.60	7.16	7.78	9.32	4.07	11.40	4.20
1981	2.05	2.17	1.91	0.74	6.69	2.88	11.80	28.60	4.29	5.52	2.11	2.93
1982	2.87	2.10	7.37	16.50	18.60	18.30	8.62	7.74	8.75	7.84	2.24	1.52
1983	1.03	6.80	16.10	2.74	4.22	5.33	14.20	13.20	3.53	3.70	2.39	0.89
1984	6.49	11.50	10.90	1.76	9.37	15.50	15.20	9.80	2.59	12.90	5.93	6.16
1985	3.79	14.60	14.20	5.12	13.80	21.30	9.19	10.80	3.36	5.06	7.43	3.36

## WABASH RIVER BASIN

03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.24	2.13	2.26	2.60	4.19	6.82
FIFTIETH PERCENTILE					
3.17	4.68	10.10	5.33	8.61	11.40
SEVENTY FIFTH PERCENTILE					
4.08	9.10	13.90	11.50	13.80	18.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
6.28	3.69	2.98	3.59	1.52	1.24
FIFTIETH PERCENTILE					
9.71	7.37	4.26	5.76	2.43	2.63
SEVENTY FIFTH PERCENTILE					
13.80	12.70	9.37	10.70	7.47	4.73

## 03353160 PLEASANT RUN AT BROOKVILLE ROAD AT INDIANAPOLIS, IN

LOCATION.--Lat 39°45'52", long 86°05'43", in NE¼NW¼ sec.9, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of Brookville Road bridge in Indianapolis, 2.2 mi downstream from Arlington Avenue, and at mile 5.7.

DRAINAGE AREA.--10.1 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1959 to May 1981 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 752.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--20 years (water years 1961 to 1980), 10.11 ft<sup>3</sup>/s, 13.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,000 ft<sup>3</sup>/s June 25, 1978, gage height, 11.28 ft; no flow at times in 1960-68.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1961	106					12		14			13	18	16	11	22	19	13	11	10	12	15	15	17	9	13	5	5	2	4	1		1	1		
1962	54					11		5			10	20	17	24	31	19	31	34	28	16	11	12	14	7	6	7	3	1	2	1	1				
1963	36					6		22			37	47	34	37	26	23	10	16	11	15	8	9	8	3	5	3	3	4			1			1	
1964	100					12		10			9	15	21	33	15	28	20	19	15	15	18	8	8	2	3	3	5		3	2	1			1	
1965	42					26		19			8	20	34	16	23	37	20	27	16	16	17	5	12	4	9	5	3	3	2	1					
1966	43					25		16			6	15	18	50	56	44	22	23	8	12	6	7	2	5	2	4		1							
1967	9	1	2			3	6	6	7	4	8	20	13	14	23	40	32	45	52	25	17	8	9	7	3	4	1	1	3	1	1				
1968	2					1		1	1	1	1		2	4	18	64	30	78	46	28	23	12	22	5	4	7	3	2	3	5	2	1			
1969								5	1		5	6	10	12	32	42	36	51	38	27	32	23	12	6	3	3	8	3	4	3	2			1	
1970										1	2	27	33	52	63	61	30	18	14	21	12	10	5	2	3	4	3	3		1					
1971					1			5	5	2	9	19	26	62	57	50	34	24	21	14	8	8	4	6	2	2	1	3	1		1				
1972											2	5	18	58	83	37	34	27	18	18	18	12	17	4	4	3	4	1		3					
1973							2				4	11	6	27	26	28	22	45	78	36	17	14	7	12	7	3	6	8	3	1	1	1			
1974									1	8	10	8	17	27	37	45	39	30	30	21	9	26	15	15	10	7	4	3	2		1				
1975										2	3	12	12	21	44	29	47	39	43	31	16	21	11	10	9	6	3	2	3		1				
1976										8	21	26	33	31	49	40	30	26	35	11	12	10	8	9	2	8	3	3	1						
1977								4	5	16	47	71	35	41	31	19	14	18	9	14	8	11	6	6	3	1	4	1		1					
1978											6	10	39	58	53	41	20	33	21	11	16	18	14	9	6	3	1	1	2	3					
1979										2		16	48	78	48	35	21	20	29	10	11	11	14	5	5	6	2		1	2	1				
1980											12	17	66	52	45	39	25	16	22	11	22	15	6	9	6	3									

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	392	7305	100.00	12	0.56	357	6267	85.79	24	32.0	141	484	6.63
1	0.01	1	6913	94.63	13	0.79	445	5910	80.90	25	44.0	100	343	4.70
2	0.02	2	6912	94.62	14	1.1	717	5465	74.81	26	62.0	85	243	3.33
3	0.03	0	6910	94.59	15	1.5	896	4748	65.00	27	86.0	59	158	2.16
4	0.04	0	6910	94.59	16	2.2	663	3852	52.73	28	120.0	43	99	1.36
5	0.05	5	6910	94.59	17	3.0	692	3189	43.66	29	170.0	23	56	0.77
6	0.08	98	6905	94.52	18	4.2	550	2497	34.18	30	240.0	17	33	0.45
7	0.11	9	6807	93.18	19	5.9	441	1947	26.65	31	330.0	11	16	0.22
8	0.15	108	6798	93.06	20	8.2	366	1506	20.62	32	460.0	4	5	0.07
9	0.21	17	6690	91.58	21	12.0	228	1140	15.61	33	650.0	1	1	0.01
10	0.29	138	6673	91.35	22	16.0	258	912	12.48	34				
11	0.40	268	6535	89.46	23	23.0	170	654	8.95					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.01
P90 =	0.37
P75 =	1.1
P70 =	1.3
P50 =	2.4
P25 =	6.5
P10 =	20.9

## 03353160 PLEASANT RUN AT BROOKVILLE ROAD AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	0.00 1	0.00 1	0.00 1	0.00 1	0.04 2	0.62 2	1.00 3	1.00 2	1.30 1
1962	0.00 2	0.00 2	0.00 2	0.08 7	0.45 5	2.20 13	2.60 11	3.20 11	3.50 9
1963	0.00 3	0.00 3	0.00 3	0.00 2	0.47 6	0.87 4	1.19 4	1.19 3	1.90 4
1964	0.00 4	0.00 4	0.00 4	0.00 3	0.00 1	0.02 1	0.16 1	0.61 1	1.50 2
1965	0.00 5	0.00 5	0.00 5	0.00 4	0.31 3	0.93 5	0.75 2	1.50 6	2.80 7
1966	0.00 6	0.00 6	0.00 6	0.02 6	0.33 4	1.19 8	1.40 8	2.50 9	2.60 6
1967	0.00 7	0.00 7	0.00 7	0.00 5	0.56 8	1.30 9	1.19 5	1.40 5	2.30 5
1968	0.00 8	0.00 8	0.15 8	0.33 8	0.91 10	1.00 6	1.19 6	1.19 4	3.60 10
1969	0.15 11	0.18 10	0.41 13	0.42 10	0.65 9	1.40 10	1.90 9	3.30 12	6.20 16
1970	0.52 17	0.61 16	0.72 17	0.84 15	1.19 12	2.40 14	6.90 21	7.40 21	8.30 19
1971	0.16 12	0.23 13	0.33 11	0.89 16	1.19 13	1.90 11	2.60 12	3.10 10	4.10 11
1972	0.06 9	0.15 9	0.28 9	0.37 9	1.19 14	2.90 16	3.30 13	3.80 13	4.20 12
1973	0.62 19	0.70 19	0.97 19	1.10 18	1.50 16	4.60 19	5.10 17	5.70 16	6.10 15
1974	0.14 10	0.20 11	0.45 14	0.73 13	2.20 20	3.40 18	3.70 14	5.90 17	8.70 20
1975	0.23 14	0.28 14	0.54 15	0.89 17	2.10 19	3.10 17	5.10 18	6.80 20	7.90 18
1976	0.32 15	0.61 17	0.96 18	1.90 21	3.30 21	5.10 20	5.20 19	5.50 15	7.10 17
1977	0.32 16	0.34 15	0.39 12	0.46 11	0.50 7	0.67 3	1.30 7	1.80 7	1.90 3
1978	0.17 13	0.20 12	0.28 10	0.70 12	1.19 15	2.10 12	4.80 16	5.10 14	6.00 13
1979	0.55 18	0.70 20	1.19 21	1.40 19	2.00 18	5.20 21	5.70 20	6.30 19	9.20 21
1980	0.80 21	0.93 21	1.10 20	1.50 20	1.80 17	2.50 15	4.50 15	6.10 18	6.00 14
1981	0.63 20	0.65 18	0.68 16	0.81 14	0.94 11	1.19 7	2.00 10	2.10 8	3.00 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1961	560.00 3	226.00 5	131.00 4	103.00 1	66.00 1	43.00 1	37.00 1	30.00 1	21.00 2
1962	256.00 13	103.00 17	47.00 18	33.00 16	28.00 13	20.00 13	17.00 14	16.00 11	13.00 11
1963	650.00 1	263.00 2	124.00 5	73.00 6	55.00 3	33.00 4	23.00 8	19.00 9	13.00 12
1964	522.00 4	306.00 1	158.00 1	86.00 2	45.00 6	38.00 2	27.00 2	21.00 6	15.00 8
1965	214.00 17	136.00 13	64.00 14	32.00 17	27.00 14	20.00 14	18.00 12	16.00 12	12.00 14
1966	103.00 20	52.00 20	30.00 20	16.00 20	10.00 20	7.70 20	6.20 20	5.60 20	4.60 20
1967	241.00 16	188.00 9	98.00 8	55.00 8	30.00 10	18.00 16	15.00 16	14.00 15	13.00 13
1968	364.00 8	196.00 7	119.00 6	61.00 7	36.00 8	31.00 6	24.00 6	23.00 3	21.00 3
1969	646.00 2	252.00 3	118.00 7	80.00 4	48.00 4	33.00 5	25.00 3	22.00 5	20.00 4
1970	253.00 14	107.00 16	54.00 17	28.00 18	16.00 19	13.00 19	14.00 17	11.00 18	10.00 18
1971	335.00 11	165.00 12	73.00 12	47.00 12	39.00 7	23.00 10	17.00 13	14.00 16	11.00 15
1972	291.00 12	124.00 14	64.00 15	40.00 13	24.00 15	21.00 11	19.00 10	16.00 13	14.00 10
1973	378.00 7	204.00 6	93.00 9	51.00 9	29.00 11	21.00 12	19.00 11	17.00 10	15.00 9
1974	337.00 10	179.00 11	82.00 11	48.00 11	29.00 12	26.00 9	22.00 9	20.00 7	20.00 5
1975	341.00 9	195.00 8	88.00 10	50.00 10	35.00 9	27.00 8	25.00 4	23.00 4	19.00 7
1976	191.00 18	89.00 18	71.00 13	38.00 14	23.00 17	18.00 17	16.00 15	14.00 14	11.00 16
1977	242.00 15	119.00 15	63.00 16	37.00 15	24.00 16	19.00 15	14.00 18	11.00 19	10.00 19
1978	423.00 6	232.00 4	141.00 2	81.00 3	46.00 5	29.00 7	24.00 7	28.00 2	23.00 1
1979	479.00 5	186.00 10	138.00 3	74.00 5	56.00 2	35.00 3	25.00 5	20.00 8	20.00 6
1980	110.00 19	66.00 19	46.00 19	28.00 19	19.00 18	15.00 18	14.00 19	12.00 17	11.00 17

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	8.10 7
1962	13.00 17
1963	8.10 8
1964	6.90 5
1965	8.40 9
1966	5.00 1
1967	6.50 3
1968	9.50 11
1969	13.00 18
1970	13.00 19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	11.00 8
1962	8.00 14
1963	7.60 15
1964	8.70 12
1965	7.40 18
1966	3.20 20
1967	7.60 16
1968	14.00 5
1969	15.00 2
1970	8.10 13



## 03353160 PLEASANT RUN AT BROOKVILLE ROAD AT INDIANAPOLIS, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	8.70	10
1972	7.60	6
1973	12.00	15
1974	13.00	16
1975	15.00	20
1976	11.00	13
1977	6.80	4
1978	10.00	12
1979	15.00	21
1980	12.00	14
1981	6.00	2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	7.40	17
1972	10.00	9
1973	13.00	6
1974	14.00	3
1975	13.00	7
1976	9.30	10
1977	6.20	19
1978	16.00	1
1979	14.00	4
1980	8.90	11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1960	*	*	9.15	9.36	15.00	4.84	4.47	10.80	16.80	15.40	2.29	1.53
1961	0.29	1.42	1.44	1.90	6.17	34.50	39.30	30.90	7.88	4.82	2.82	5.71
1962	1.00	4.88	4.01	19.60	13.30	18.20	2.55	17.30	1.37	8.62	3.17	1.62
1963	4.42	1.27	0.50	2.16	1.23	51.70	12.80	3.24	5.77	4.90	1.64	0.03
1964	0.00	2.22	1.36	4.50	3.82	42.00	32.70	2.34	2.57	8.52	2.77	1.54
1965	0.32	3.02	3.45	12.80	19.80	12.00	21.80	2.81	2.58	2.60	2.07	6.45
1966	0.78	1.93	3.21	5.01	9.66	2.33	5.07	1.90	2.20	1.50	1.08	4.52
1967	2.81	8.60	26.20	6.55	6.46	10.70	7.58	16.20	1.42	1.24	1.67	0.94
1968	12.40	3.53	21.60	17.40	16.20	13.40	21.00	32.90	7.02	4.33	18.40	2.39
1969	0.85	7.13	12.30	39.80	10.10	4.52	16.50	7.37	18.10	40.20	10.60	8.35
1970	9.37	15.90	3.55	9.85	7.50	10.30	15.50	3.77	4.90	12.50	2.61	1.37
1971	3.96	4.32	4.27	7.76	40.90	5.00	1.60	4.83	3.71	6.63	1.53	7.62
1972	4.13	2.30	22.50	9.92	12.50	13.30	22.80	4.17	10.20	7.07	3.53	10.30
1973	1.55	29.40	12.80	9.19	7.60	20.80	10.80	5.00	26.90	15.50	9.97	4.14
1974	4.73	12.90	17.30	18.20	10.30	15.20	13.60	21.50	27.60	6.50	10.30	8.01
1975	2.20	8.34	13.60	21.30	30.50	22.10	18.40	10.80	11.20	6.63	3.87	7.93
1976	5.65	9.91	16.10	13.70	12.80	10.40	2.37	4.28	12.40	13.40	8.57	1.64
1977	3.11	2.45	1.08	0.52	18.60	14.10	7.06	5.25	5.99	6.64	9.01	1.88
1978	15.40	6.05	20.10	3.11	1.44	36.20	12.10	17.80	28.70	22.10	19.60	3.72
1979	7.48	6.07	12.50	13.90	16.80	18.20	14.00	4.23	6.14	41.60	25.70	1.82
1980	3.18	12.50	9.10	5.23	3.98	18.00	9.72	9.05	10.40	4.15	14.30	6.51
1981	2.62	2.57	2.33	0.96	7.51	2.71	12.90	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.93	2.37	2.99	4.15	6.39	8.97
FIFTIETH PERCENTILE					
3.11	4.88	9.12	9.27	10.20	13.80
SEVENTY FIFTH PERCENTILE					
5.19	9.25	16.39	14.80	16.30	21.10
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
6.56	3.97	3.14	4.57	2.18	1.58
FIFTIETH PERCENTILE					
12.90	5.25	7.02	6.64	3.53	3.72
SEVENTY FIFTH PERCENTILE					
19.00	16.69	14.60	14.40	10.50	7.06

## 03353180 BEAM CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°43'45", long 86°07'14", in NW¼SW¼ sec.20, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank 80 ft upstream from Keystone Avenue bridge and west edge of Sarah Shank Golf Course in Indianapolis, and at mile 1.8.

DRAINAGE AREA.--4.40 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 735.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 5.21 ft<sup>3</sup>/s, 16.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 770 ft<sup>3</sup>/s June 25, 1978, gage height, 7.77 ft; minimum daily, 0.38 ft<sup>3</sup>/s Oct. 2, 1983.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971					1	13	4	6	14	43	53	51	46	33	27	19	10	9	9	7	4	5	2	3	1	1	2			1				1	
1972							4	26	24	40	31	63	30	33	24	15	17	18	8	10	11	2	1		2	3	1	3							
1973					14	9	27	29	17	20	13	42	21	21	20	13	25	20	11	11	12	11	10	2	4	2	5	3	1	1	1				
1974							1	21	16	49	43	37	25	35	26	16	22	13	14	13	11	6	6	3	2	1	3	1				1			
1975							2	8	10	16	44	34	54	37	28	29	22	20	11	14	8	5	6	8	3	1	2	2			1				
1976					1	2	11	10	15	30	37	37	39	47	30	24	21	14	10	6	4	6	7	5	2	2	3	1	2						
1977					10	21	13	9	17	51	63	40	26	24	19	9	8	7	8	12	6	4	4	2	5	1	3		1	1	1				
1978							3	28	65	61	35	33	32	18	11	10	13	13	7	7	3	5	5	3	3	3	3	3	1	2					1
1979							2	3	7	27	34	55	51	46	21	24	14	20	14	8	7	3	4	6	5	1	5	1	2	1			1	2	1
1980								20	56	62	54	29	34	20	17	12	8	9	8	6	6	9	5	5		1	3	1	1						
1981								15	30	57	70	32	41	15	17	7	17	9	7	12	3	6	7	5	2	3	3	3			1	2	1		
1982								16	19	20	23	39	41	29	34	32	26	26	5	10	5	8	5	4	3	7	3	4	4	1	1				
1983					2	3	11	22	26	5	33	19	9	44	49	48	17	11	18	9	6	3	6	7	5	3	1	3	3		2				
1984							2	5	3	16	47	40	38	50	36	25	26	12	17	10	7	4	6	1	6	4	4	1	1	1	1				
1985									12	19	43	57	33	47	26	24	24	13	13	7	6	7	5	8	6	2	4	2	2	1	2			1	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	2.7	622	2784	50.81	24	24.0	31	163	2.97
1	0.38	5	5479	100.00	13	3.3	386	2162	39.46	25	28.0	43	132	2.41
2	0.46	3	5474	99.91	14	3.9	339	1776	32.41	26	34.0	25	89	1.62
3	0.54	22	5471	99.85	15	4.7	287	1437	26.23	27	41.0	23	64	1.17
4	0.65	46	5449	99.45	16	5.6	181	1150	20.99	28	49.0	16	41	0.75
5	0.78	112	5403	98.61	17	6.7	205	969	17.69	29	58.0	8	25	0.46
6	0.93	96	5291	96.57	18	8.1	146	764	13.94	30	70.0	6	17	0.31
7	1.1	233	5195	94.82	19	9.7	117	618	11.28	31	83.0	3	11	0.20
8	1.3	439	4962	90.56	20	12.0	102	501	9.14	32	100.0	2	8	0.15
9	1.6	547	4523	82.55	21	14.0	96	399	7.28	33	120.0	4	6	0.11
10	1.9	676	3976	72.57	22	17.0	67	303	5.53	34	140.0	2	2	0.04
11	2.3	516	3300	60.23	23	20.0	73	236	4.31					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.1  
P90 = 1.3  
P75 = 1.8  
P70 = 2.0  
P50 = 2.7  
P25 = 4.9  
P10 = 11.1

## 03353180 BEAN CREEK AT INDIANAPOLIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	1.19 13	1.30 12	1.40 12	1.60 10	1.80 10	2.30 9	2.60 7	2.60 6	3.10 5
1973	1.00 10	1.10 10	1.30 9	1.70 11	2.00 11	3.00 14	3.20 14	3.30 13	4.00 12
1974	0.82 5	0.83 4	0.88 4	0.93 3	1.60 6	1.90 6	2.20 6	2.80 7	4.30 14
1975	1.40 14	1.40 13	1.60 14	2.00 14	2.60 14	2.60 11	3.00 13	3.10 10	3.60 10
1976	0.98 9	1.00 7	1.19 7	1.80 12	2.00 12	2.60 12	2.80 8	3.00 8	3.40 9
1977	0.54 2	0.55 2	0.60 2	0.66 1	0.71 1	1.00 1	1.80 4	2.20 5	2.00 1
1978	1.10 11	1.30 11	1.40 10	1.50 8	1.70 8	2.00 7	2.80 9	3.00 9	3.10 6
1979	0.85 6	1.00 8	1.40 11	1.50 9	1.70 9	2.40 10	2.80 10	3.20 11	4.10 13
1980	0.92 7	1.10 9	1.19 8	1.19 6	1.60 7	2.10 8	2.80 11	3.20 12	3.20 7
1981	0.80 3	0.83 3	0.88 3	0.94 4	1.10 3	1.40 3	1.50 2	1.50 1	2.30 4
1982	0.80 4	0.85 5	0.91 5	1.10 5	1.19 4	1.50 5	1.80 5	2.00 3	2.20 3
1983	0.92 8	0.92 6	0.94 6	1.30 7	1.30 5	1.40 4	1.70 3	2.00 4	3.40 8
1984	0.38 1	0.41 1	0.56 1	0.75 2	0.90 2	1.10 2	1.10 1	1.50 2	2.10 2
1985	1.19 12	1.40 14	1.50 13	1.80 13	2.10 13	2.80 13	2.90 12	3.40 14	4.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	135.00 3	56.00 6	25.00 9	17.00 7	16.00 5	11.00 7	8.10 10	7.40 11	6.20 11
1972	53.00 12	34.00 11	21.00 11	17.00 8	12.00 10	9.20 12	7.80 12	7.50 10	7.00 8
1973	98.00 5	66.00 2	32.00 5	21.00 5	18.00 3	12.00 4	11.00 1	9.90 3	10.00 1
1974	92.00 7	48.00 7	28.00 7	17.00 9	12.00 11	10.00 9	9.30 7	8.90 4	8.80 2
1975	76.00 8	47.00 8	26.00 8	16.00 10	13.00 7	11.00 8	11.00 2	10.00 1	8.40 3
1976	45.00 15	20.00 15	13.00 15	9.60 15	8.80 14	7.30 14	7.00 13	6.60 12	5.60 13
1977	69.00 9	45.00 9	29.00 6	19.00 6	12.00 8	9.50 10	7.90 11	6.50 13	5.50 14
1978	156.00 1	77.00 1	41.00 3	26.00 3	17.00 4	12.00 5	9.80 4	10.00 2	8.10 6
1979	143.00 2	58.00 5	27.00 1	27.00 2	20.00 1	13.00 1	9.60 5	8.10 8	8.40 4
1980	49.00 13	25.00 14	18.00 14	11.00 13	8.30 15	6.40 15	6.40 14	5.70 14	5.30 15
1981	93.00 6	59.00 4	43.00 2	29.00 1	20.00 2	13.00 2	9.60 6	8.50 6	6.60 9
1982	56.00 11	29.00 13	20.00 12	15.00 11	12.00 9	11.00 6	9.00 8	8.20 7	7.00 7
1983	45.00 14	32.00 12	20.00 13	11.00 14	9.70 13	7.70 13	6.40 15	5.50 15	5.70 12
1984	62.00 10	34.00 10	23.00 10	15.00 12	10.00 12	9.30 11	8.80 9	7.70 9	6.50 10
1985	123.00 4	63.00 3	35.00 4	21.00 4	14.00 6	12.00 3	11.00 3	8.90 5	8.20 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	4.30 5
1973	7.40 14
1974	6.20 12
1975	6.60 13
1976	5.00 7
1977	3.60 2
1978	4.80 6
1979	5.90 10
1980	5.40 8
1981	3.40 1
1982	5.80 9
1983	4.10 3
1984	4.30 4
1985	6.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	4.50 10
1972	5.30 7
1973	7.40 1
1974	6.30 2
1975	5.80 6
1976	4.40 11
1977	3.80 14
1978	6.00 5
1979	6.30 3
1980	4.30 12
1981	4.20 13
1982	4.80 9
1983	3.70 15
1984	5.10 8
1985	6.10 4

## WABASH RIVER BASIN

03353180 BEAN CREEK AT INDIANAPOLIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	3.41	2.72	2.64	2.56	16.00	5.75	3.30	4.88	4.00	4.32	2.20	3.43
1972	3.11	1.88	10.40	4.87	3.22	6.23	12.20	4.25	6.91	3.16	3.32	4.58
1973	2.13	13.80	8.67	7.26	6.40	16.00	7.57	3.08	11.40	7.76	3.17	2.02
1974	2.35	6.38	8.46	9.10	4.87	8.29	8.20	10.80	6.47	3.57	3.55	2.87
1975	2.71	3.68	5.52	10.00	11.00	10.90	8.34	4.60	4.25	2.99	3.63	2.02
1976	3.64	4.86	6.38	5.86	7.31	5.81	2.31	2.63	3.66	3.87	4.57	1.50
1977	3.02	3.67	1.49	0.82	8.78	7.48	5.05	4.35	3.10	2.92	3.74	2.13
1978	4.38	3.43	9.25	2.65	1.72	14.60	6.48	7.42	7.74	6.29	5.49	2.11
1979	3.03	3.42	6.12	6.37	8.33	8.55	6.83	2.57	2.69	13.70	11.60	1.90
1980	2.31	5.04	4.89	2.83	2.49	7.52	4.72	5.05	4.76	2.52	6.36	3.12
1981	1.68	1.60	1.68	1.16	6.18	2.10	6.18	18.90	3.12	2.88	2.19	2.67
1982	1.52	1.57	3.80	8.40	8.16	9.60	5.04	4.23	6.16	6.08	1.91	1.75
1983	1.37	3.82	8.34	3.02	2.97	3.90	7.50	7.36	2.36	1.75	1.23	0.93
1984	2.78	5.61	5.84	2.20	4.01	9.49	8.65	7.75	3.01	5.32	2.67	3.54
1985	2.58	7.31	7.45	3.62	9.15	11.80	7.10	7.26	2.59	3.74	8.64	2.71

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.13	2.72	3.80	2.56	3.22	5.81
FIFTIETH PERCENTILE					
2.71	3.68	6.12	3.62	6.40	8.29
SEVENTY FIFTH PERCENTILE					
3.11	5.61	8.46	7.26	8.78	10.90
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
5.04	4.23	3.01	2.92	2.20	1.90
FIFTIETH PERCENTILE					
6.83	4.88	4.00	3.74	3.55	2.13
SEVENTY FIFTH PERCENTILE					
8.20	7.42	6.47	6.08	5.49	3.12

## 03353200 EAGLE CREEK AT ZIONSVILLE, IN

LOCATION.--Lat 39°56'56", long 86°15'22", in SW¼NW¼ sec.1, T.17 N., R.2 E., Boone County, Hydrologic Unit 05120201, on downstream side of second pier from right bank of bridge on State Highway 334 at Zionsville, 200 ft upstream from Long Branch, and at mile 24.7.

DRAINAGE AREA.--103 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1957 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 816.85 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1957, nonrecording gage at same site and datum.

REMARKS.--Low flow is affected by the Zionsville well field located on the right bank below the gage.

AVERAGE DISCHARGE.--28 years, 100.5 ft<sup>3</sup>/s, 13.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft<sup>3</sup>/s Apr. 20, 1964, gage height, 14.64 ft; no flow at times during 1959, 1963-68, 1970, 1971, 1983, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.20 ft, from floodmark.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1958																13	2			9	41	57	60	62	35	21	19	18	11	5	2	2	6	2	
1959	13							5		1	2	5	11	7	14	9	15	10	37	36	30	25	29	37	32	24	12	5	2	2		1	1		
1960											3	7	14	9	21	10	16	16	31	20	71	49	32	28	9	11	4	7	3	3	2				
1961											20	12	23	17	52	16	25	10	28	25	21	17	19	16	14	17	12	9	4	5		2	1		
1962													4	28	28	10	22	19	23	34	55	51	36	18	12	13	4	4		2	1	1			
1963	9				2		7	2	4	3	6	7	11	23	15	43	61	33	20	30	18	11	13	13	13	8	5	4	1	1	1	1			
1964	34				3		4	2	4	3	32	14	30	29	10	35	17	22	15	20	14	18	15	11	12	5	8	4	2		1	1	1		
1965	15				2		4	5	24	13	31	20	19	15	10	19	15	22	17	28	17	30	19	11	8	8	7	2	2	1	1				
1966	70				2		2		2	3	1	1	22	15	51	21	17	33	31	33	21	19	7	7	5	1	1								
1967	95				3		1	3	6	3	5	6	8	7	8	5	8	13	15	28	42	22	27	20	13	11	6	5	1	3	1				
1968	25				1			2	5	5	8	17	19	22	6	9	12	32	39	29	24	19	17	24	20	13	7	5		4	2				
1969							2	4	4	7		17	21	7	15	9	10	18	36	38	50	34	27	24	9	16	7	4	2	1	3				
1970		2			1		3	3	3	9	7	16	16	16	21	4	15	5	28	31	56	46	29	18	12	9	5	6	2	1	1				
1971	2				1		1	3	3		6	12	15	11	13	23	22	14	48	41	40	34	20	19	11	13	6	4	2	1					
1972											3	5	18	17	33	44	26	6	11	33	41	29	26	23	20	13	4	3	6	2	2	1			
1973																19	23	10	18	26	29	38	29	62	31	29	19	16	8	3	4	1			
1974																12	17	24	20	26	28	37	40	45	34	23	19	8	16	7	7	1	1		
1975												1	13	21	26	25	12	16	35	26	31	36	40	27	26	13	8	3	2	3	1				
1976								9	3	4	7	17	8	6	9	32	33	28	35	35	29	32	29	14	11	6	9	4	3	2		1			
1977		1	1	1	2		5	1	5	8	23	98	56	22	10	14	8	11	10	20	22	25	10	6	4	1	1								
1978															4	3	16	44	70	38	44	46	33	20	19	11	4	6	2	2	3				
1979															4	31	21	17	17	45	54	33	34	26	28	17	12	11	2	4	3	4	2		
1980															2	17	18	23	30	53	60	47	37	32	17	15	8	2	3	2					
1981														1	5	17	44	42	27	42	45	39	29	28	18	11	5	8	2		1	1			
1982												4	9	10	4	9	16	8	5	30	51	43	35	33	27	37	10	11	9	10	4				
1983	15	1			1	1	1	1	2	4	3	13	22	19	19	15	8	7	12	13	36	53	47	22	15	12	10	7	1	3	2				
1984	12							2	2			4	15	9	15	14	16	15	37	42	19	39	33	29	11	13	12	14	7	4	1	1			
1985											6	2	16	24	22	11	10	16	13	23	43	46	37	25	18	11	14	14	6	4	2	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	290	10227	100.00	12	1.1	357	9483	92.73	24	130.0	534	1751	17.12
1	0.01	3	9937	97.16	13	1.7	351	9126	89.23	25	190.0	431	1217	11.90
2	0.02	1	9934	97.14	14	2.5	413	8775	85.80	26	280.0	287	786	7.69
3	0.03	1	9933	97.13	15	3.7	458	8362	81.76	27	410.0	208	499	4.88
4	0.05	4	9932	97.12	16	5.4	507	7904	77.29	28	610.0	122	291	2.85
5	0.07	16	9928	97.08	17	8.1	459	7397	72.33	29	910.0	70	169	1.65
6	0.11	1	9912	96.92	18	12.0	632	6938	67.84	30	1300.0	52	99	0.97
7	0.16	35	9911	96.91	19	18.0	847	6306	61.66	31	2000.0	34	47	0.46
8	0.23	38	9876	96.57	20	26.0	1008	5459	53.38	32	3000.0	12	13	0.13
9	0.35	70	9838	96.20	21	39.0	1025	4451	43.52	33	4400.0	1	1	0.01
10	0.51	101	9768	95.51	22	58.0	908	3426	33.50	34				
11	0.76	184	9667	94.52	23	86.0	767	2518	24.62					

## 03353200 EAGLE CREEK AT ZIONSVILLE, IN--Continued

VALUE EXCEEDED 'P' PERCENT OF TIME  
 P95 = 0.64  
 P90 = 1.6  
 P75 = 6.6  
 P70 = 10.1  
 P50 = 30.5  
 P25 = 84.8  
 P10 = 231.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1959	13.00 27	13.00 27	15.00 27	16.00 27	18.00 26	25.00 25	34.00 23	50.00 22	114.00 27
1960	0.00 1	0.00 1	0.00 1	0.11 6	0.85 11	1.30 10	3.30 11	5.00 13	12.00 9
1961	0.60 13	0.60 13	0.60 13	0.65 12	0.73 10	1.10 9	1.60 6	2.00 6	3.60 3
1962	1.40 17	1.50 17	1.50 17	1.80 18	3.30 18	17.00 22	19.00 21	29.00 21	41.00 19
1963	2.10 20	2.20 20	2.70 20	3.20 20	5.20 20	5.60 18	9.90 18	16.00 17	16.00 13
1964	0.00 2	0.00 2	0.00 2	0.00 1	0.03 5	0.31 4	0.91 4	1.40 5	2.60 2
1965	0.00 3	0.00 3	0.00 3	0.00 2	0.00 1	0.16 3	0.43 3	0.69 3	3.90 4
1966	0.20 10	0.20 9	0.29 10	0.45 11	0.50 6	1.70 12	4.70 15	4.90 12	7.00 7
1967	0.00 4	0.00 4	0.00 4	0.00 3	0.00 2	0.00 1	0.00 1	0.05 1	6.90 6
1968	0.00 5	0.00 5	0.00 5	0.00 4	0.00 3	0.00 2	0.04 2	0.39 2	4.70 5
1969	0.16 9	0.26 10	0.27 9	0.34 9	0.55 7	0.95 7	3.60 13	14.00 16	23.00 16
1970	1.40 18	1.50 18	1.60 19	1.80 19	4.40 19	22.00 23	57.00 27	69.00 27	70.00 23
1971	0.00 6	0.02 7	0.12 8	0.32 8	0.56 8	1.10 8	3.00 10	3.40 8	11.00 8
1972	0.31 11	0.34 12	0.48 12	0.92 13	0.98 12	2.00 13	2.50 9	3.10 7	15.00 10
1973	0.69 14	0.74 14	0.85 14	1.40 15	1.60 15	2.90 15	3.80 14	20.00 20	33.00 18
1974	4.00 24	4.20 24	4.50 23	4.60 23	6.10 22	29.00 26	29.00 22	52.00 23	72.00 24
1975	3.70 23	3.90 23	4.60 24	5.70 24	6.70 24	14.00 21	13.00 20	17.00 18	46.00 21
1976	1.40 19	1.50 19	1.50 18	1.70 17	2.70 17	4.80 17	5.90 16	8.70 14	16.00 11
1977	0.31 12	0.32 11	0.40 11	0.42 10	0.56 9	0.89 6	1.19 5	1.30 4	1.60 1
1978	0.02 8	0.03 8	0.09 7	0.20 7	1.10 13	2.40 14	3.40 12	3.90 9	16.00 12
1979	2.90 22	3.10 22	3.50 22	3.90 22	6.60 23	8.00 20	39.00 25	53.00 24	76.00 25
1980	4.60 26	4.80 26	5.30 25	7.40 25	12.00 25	23.00 24	38.00 24	66.00 26	69.00 22
1981	2.40 21	2.50 21	2.90 21	3.70 21	5.50 21	7.60 19	11.00 19	10.00 15	22.00 15
1982	4.20 25	4.60 25	6.00 26	10.00 26	28.00 27	48.00 27	45.00 26	56.00 25	77.00 26
1983	0.78 15	0.80 15	0.85 15	0.98 14	1.19 14	1.50 11	2.30 7	3.90 10	45.00 20
1984	0.00 7	0.00 6	0.00 6	0.00 5	0.00 4	0.59 5	2.30 8	4.80 11	20.00 14
1985	1.00 16	1.10 16	1.30 16	1.60 16	2.10 16	4.10 16	9.00 17	17.00 19	25.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	4390.00 2	2590.00 3	1950.00 1	998.00 1	525.00 6	489.00 1	384.00 1	309.00 3	222.00 6
1959	3890.00 5	1770.00 8	938.00 17	570.00 15	490.00 11	342.00 9	280.00 7	244.00 7	185.00 10
1960	1500.00 25	835.00 24	624.00 24	357.00 24	245.00 25	178.00 24	158.00 23	141.00 25	123.00 24
1961	3040.00 10	1570.00 14	1290.00 5	774.00 6	532.00 5	395.00 6	314.00 4	269.00 5	192.00 8
1962	4380.00 3	2200.00 6	1060.00 10	589.00 13	403.00 15	323.00 11	275.00 9	225.00 10	174.00 12
1963	3900.00 4	2230.00 5	1150.00 8	706.00 9	515.00 9	372.00 8	265.00 11	204.00 16	139.00 22
1964	5460.00 1	3060.00 1	1550.00 3	857.00 4	536.00 4	449.00 2	312.00 5	242.00 8	174.00 13
1965	2090.00 20	1040.00 23	822.00 19	495.00 19	308.00 19	254.00 17	224.00 17	181.00 19	127.00 23
1966	455.00 28	346.00 28	205.00 28	122.00 28	85.00 28	62.00 28	54.00 28	53.00 28	46.00 27
1967	2000.00 21	1770.00 9	1010.00 13	523.00 18	287.00 22	226.00 20	177.00 18	186.00 18	171.00 14
1968	2500.00 14	1610.00 13	1010.00 14	581.00 14	342.00 16	302.00 15	231.00 16	208.00 15	183.00 11
1969	2620.00 13	1930.00 7	1160.00 7	770.00 7	507.00 10	340.00 10	244.00 14	220.00 12	159.00 15
1970	2460.00 16	1310.00 19	779.00 21	434.00 22	279.00 23	221.00 21	162.00 22	151.00 23	143.00 20
1971	1200.00 26	598.00 26	442.00 26	327.00 26	238.00 26	169.00 25	121.00 26	120.00 26	94.00 26
1972	2470.00 15	1740.00 10	960.00 16	599.00 12	406.00 14	239.00 18	175.00 20	160.00 21	146.00 18
1973	2220.00 17	1130.00 21	645.00 23	530.00 17	416.00 13	303.00 14	243.00 15	231.00 9	235.00 4
1974	3390.00 6	1630.00 12	1170.00 6	838.00 5	522.00 8	398.00 5	347.00 3	327.00 1	309.00 1
1975	2810.00 12	1460.00 15	769.00 22	457.00 20	327.00 18	264.00 16	260.00 12	246.00 6	200.00 7
1976	3350.00 7	1730.00 11	1060.00 9	764.00 8	524.00 7	322.00 12	245.00 13	210.00 14	151.00 17
1977	568.00 27	390.00 27	238.00 27	153.00 27	109.00 27	90.00 27	77.00 27	63.00 27	43.00 28
1978	2980.00 11	1430.00 16	992.00 15	550.00 16	330.00 17	206.00 22	177.00 19	190.00 17	158.00 16
1979	3350.00 8	2270.00 4	1560.00 2	869.00 3	597.00 3	374.00 7	267.00 10	217.00 13	239.00 3
1980	1760.00 24	807.00 25	547.00 25	357.00 25	296.00 21	235.00 19	174.00 21	177.00 20	142.00 21
1981	2220.00 18	1430.00 17	781.00 20	399.00 23	249.00 24	165.00 26	128.00 25	143.00 24	116.00 25
1982	1810.00 23	1120.00 22	1030.00 12	676.00 11	612.00 2	445.00 3	370.00 2	319.00 2	260.00 2
1983	1860.00 22	1180.00 20	828.00 18	448.00 21	299.00 20	193.00 23	149.00 24	152.00 22	144.00 19
1984	2190.00 19	1330.00 18	1050.00 11	695.00 10	423.00 12	312.00 13	279.00 8	222.00 11	190.00 9
1985	3310.00 9	2590.00 2	1440.00 4	941.00 2	629.00 1	430.00 4	310.00 6	279.00 4	226.00 5

## 03353200 EAGLE CREEK AT ZIONSVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1959	183.00	27
1960	72.00	10
1961	62.00	7
1962	150.00	23
1963	66.00	8
1964	61.00	5
1965	90.00	12
1966	45.00	2
1967	73.00	11
1968	92.00	13
1969	106.00	17
1970	101.00	15
1971	62.00	6
1972	55.00	3
1973	150.00	24
1974	167.00	26
1975	149.00	22
1976	103.00	16
1977	33.00	1
1978	72.00	9
1979	128.00	19
1980	136.00	21
1981	60.00	4
1982	159.00	25
1983	96.00	14
1984	111.00	18
1985	130.00	20

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	180.00	2
1959	101.00	13
1960	76.00	22
1961	100.00	14
1962	100.00	15
1963	76.00	23
1964	88.00	18
1965	66.00	25
1966	24.00	27
1967	88.00	19
1968	104.00	12
1969	106.00	10
1970	89.00	17
1971	54.00	26
1972	81.00	20
1973	155.00	3
1974	188.00	1
1975	111.00	8
1976	91.00	16
1977	22.00	28
1978	120.00	7
1979	146.00	5
1980	106.00	9
1981	72.00	24
1982	155.00	4
1983	80.00	21
1984	105.00	11
1985	124.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	54.40	183.00	413.00	87.10	47.10	70.50	37.40	84.10	523.00	164.00	444.00	39.60
1959	24.30	92.20	49.00	281.00	296.00	173.00	209.00	59.90	27.40	10.60	2.16	0.99
1960	8.24	30.70	68.40	112.00	208.00	134.00	74.30	42.80	101.00	134.00	6.52	1.81
1961	0.85	2.55	2.91	9.24	18.80	344.00	420.00	161.00	134.00	47.90	32.80	26.20
1962	12.20	87.10	68.60	386.00	145.00	276.00	50.60	69.60	18.20	76.30	5.85	5.96
1963	35.60	17.30	8.06	21.40	17.00	459.00	256.00	62.70	13.60	17.70	2.55	0.28
1964	0.37	3.35	1.78	10.60	9.05	348.00	532.00	43.90	31.50	78.90	2.24	0.13
1966	0.22	1.16	1.74	40.40	173.00	191.00	307.00	36.80	20.70	13.60	1.20	12.70
1966	2.71	3.95	10.90	39.30	71.20	28.70	48.90	57.80	31.00	1.52	0.00	0.00
1967	0.00	14.40	276.00	104.00	120.00	219.00	126.00	171.00	24.80	1.60	0.04	0.00
1968	0.20	2.75	331.00	157.00	195.00	97.40	138.00	163.00	91.70	19.70	49.60	0.90
1969	1.04	26.50	164.00	390.00	164.00	60.90	142.00	25.50	29.50	171.00	56.50	36.50
1970	131.00	279.00	64.50	85.60	105.00	86.00	238.00	65.30	14.40	5.97	3.33	0.59
1971	10.30	33.60	26.40	18.80	222.00	121.00	30.00	58.30	127.00	13.00	2.28	1.98
1972	4.01	4.91	212.00	101.00	30.80	73.50	404.00	43.00	65.60	4.14	3.94	21.60
1973	63.00	339.00	207.00	154.00	120.00	374.00	220.00	24.80	180.00	60.40	106.00	6.21
1974	51.70	187.00	270.00	452.00	178.00	261.00	208.00	289.00	290.00	34.40	10.40	18.70
1975	11.70	40.40	161.00	229.00	306.00	202.00	254.00	57.20	37.40	23.00	17.70	4.66
1976	5.20	25.40	114.00	110.00	423.00	185.00	32.80	38.00	109.00	50.20	16.10	0.75
1977	1.08	1.82	1.65	1.23	31.60	106.00	58.40	49.50	5.49	5.39	3.44	1.53
1978	54.90	22.80	320.00	45.00	20.20	271.00	115.00	121.00	189.00	81.90	150.00	32.60
1979	6.80	87.50	103.00	76.80	194.00	382.00	207.00	38.80	16.20	520.00	108.00	12.50
1980	38.80	155.00	101.00	71.20	88.80	268.00	151.00	37.20	188.00	18.90	139.00	15.70
1981	7.45	9.49	17.00	8.37	92.10	45.50	68.90	245.00	46.70	89.70	147.00	92.00
1982	61.00	42.10	68.90	250.00	400.00	412.00	184.00	104.00	202.00	139.00	7.21	2.05
1983	1.35	7.71	286.00	56.80	90.60	72.10	207.00	154.00	60.40	21.80	3.18	0.19
1984	6.56	50.90	220.00	18.00	217.00	372.00	238.00	53.00	32.40	29.20	16.70	3.34
1985	18.40	175.00	152.00	125.00	397.00	339.00	183.00	65.70	40.90	4.31	5.58	1.70

## WABASH RIVER BASIN

03353200 EAGLE CREEK AT ZIONSVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.15	5.61	19.30	25.90	53.10	88.80
FIFTIETH PERCENTILE					
7.84	28.60	102.00	86.30	133.00	197.00
SEVENTY FIFTH PERCENTILE					
38.00	91.00	218.00	156.00	215.00	343.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
70.20	42.80	25.40	11.20	2.71	0.79
FIFTIETH PERCENTILE					
184.00	59.10	43.80	26.10	6.86	2.69
SEVENTY FIFTH PERCENTILE					
238.00	117.00	132.00	81.10	54.80	17.89



## 03353500 EAGLE CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°15'01", in NW¼NW¼ sec.6, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of bridge on Lynhurst Drive, approximately 600 ft south of intersection of West 10th Street and Lynhurst Drive, 0.5 mi downstream from West 10th Street bridge, 1.0 mi upstream from Vermont Street bridge, 3.0 mi upstream from Little Eagle Creek, and 7.1 mi upstream from mouth.

DRAINAGE AREA.--174 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1938 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 699.00 ft above National Geodetic Vertical Datum of 1929. Aug. 8, 1957 to June 30, 1958, temporary site during reconstruction of bridge on Lynhurst Drive, a nonrecording gage on downstream side of 10th Street bridge. Mar. 10, 1966 to Aug. 16, 1967, during channelization of Eagle Creek, a nonrecording gage on downstream side of Lynhurst Drive bridge. Prior to Oct. 1, 1967, at datum 7.21 ft higher.

REMARKS.--Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 mi upstream.

AVERAGE DISCHARGE.--46 years (water years 1940 to 1985), 156 ft<sup>3</sup>/s, 12.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,800 ft<sup>3</sup>/s June 28, 1957, gage height, 23.59 ft present datum from rating curve extended above 9,000 ft<sup>3</sup>/s on basis of a combined current-meter measurement and slope-area measurement; no flow for several days in August 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 23.2 ft present datum, from information by local residents.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1940								2	12	18	28	16	14	35	59	27	12	7	14	34	24	16	14	12	11	5	3	1	2							
1941	16	6		5	10	15	7	1	20	20	19	7	35	10	22	38	50	40	23	10	5	2	1	1	1		1									
1942							1	1				1	6	9	14	24	40	21	54	30	27	27	36	25	17	8	6	5	5	4	3	1				
1943													10	25	43	22	16	17	16	23	52	34	31	27	13	6	9	7	5	4	1		1	1	2	
1944									9	32	21	34	27	71	30	12	10	8	7	9	10	23	27	12	5	9		4	1	2	2	1				
1945									7	10	15	90	6	4	9	11	20	18	24	18	29	25	24	14	11	6	8	5	5	4	2					
1946													4	28	14	7	9	10	13	40	41	42	33	34	29	17	18	10	5	6	5					
1947										2	10	10	5	18	19	42	25	19	40	22	23	29	29	30	18	9	6	4	3	2						
1948								4	9	9	11	11	10	20	26	43	64	25	13	22	17	18	17	12	8	8	7	4	3	3	1	1				
1949								1	7	5	11	16	29	33	6	13	14	18	18	24	44	42	19	19	10	10	10	4	6	2	1	2	1			
1950										1	4	2	6	3	33	51	14	20	36	18	16	25	22	30	23	16	14	9	7	7	1	6		1		
1951													10	31	8	19	32	20	20	35	31	45	30	22	19	18	8	10	2	4	1					
1952													6	15	9	21	28	11	16	26	26	34	32	40	32	16	19	15	11	5	1	1	2			
1953										3	6	5	14	8	18	37	13	16	24	32	33	62	37	26	13	5	7	2	3			1				
1954									20	27	25	39	47	42	12	11	17	19	16	32	16	15	8	7	6	3		2	1							
1955										9	34	29	29	22	8	15	10	37	20	27	23	28	22	15	12	15		5	2	2	1					
1956												13	6	14	7	6	8	34	27	50	36	34	39	37	17	16	7	5	4	2	2		1	1		
1957												10	23	18	8	9	20	27	18	22	39	40	32	22	18	17	12	11	9	7		1	2			
1958														1	12	3		9	29	51	77	50	39	23	18	16	12	10	4	4	2	2	3			
1959													8	25	14	19	10	37	38	33	24	28	32	52	26	8	5	3			1	2				
1960													5	21	23	22	21	30	17	45	73	42	28	11	12	7	3	4	2							
1961										3	3	35	36	35	25	27	23	23	18	19	24	10	22	12	12	15	6	9		4	1	2	1			
1962													2	7	19	35	29	21	20	56	44	43	35	18	9	10	5	6	2	1	2		1			
1963										4	7	20	7	7	18	28	34	64	35	25	29	21	11	10	12	11	10	4	2	4		1	1			
1964										14	42	41	33	11	5	16	31	39	26	22	11	18	11	12	6	8	4	10	1	1	1	1	1		1	
1965				1	1			1	3	9	43	33	23	23	30	20	12	19	31	19	13	24	18	9	9	6	8	6	1		2	1				
1966	15		3		5	5	17		8	12	11	17	28	29	29	21	28	35	24	20	21	16	12	2	3	3	1									
1967			8	3	13	7	3	14	14	22		8	24	18	8	10	5	10	15	36	29	29	25	15	13	12	7	5	4	4	2	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	16	10227	100.00	12	4.4	505	9011	88.11	24	280.0	343	1179	11.53
1	0.10	21	10211	99.84	13	6.3	576	8506	83.17	25	390.0	285	836	8.17
2	0.14	0	10190	99.64	14	8.8	516	7930	77.54	26	550.0	187	551	5.39
3	0.20	16	10190	99.64	15	12.0	611	7414	72.49	27	780.0	149	364	3.56
4	0.28	14	10174	99.48	16	18.0	540	6803	66.52	28	1100.0	84	215	2.10
5	0.40	34	10160	99.34	17	25.0	733	6263	61.24	29	1500.0	62	131	1.28
6	0.56	20	10126	99.01	18	35.0	684	5530	54.07	30	2200.0	25	69	0.67
7	0.79	26	10106	98.82	19	49.0	818	4846	47.38	31	3100.0	26	44	0.43
8	1.1	104	10080	98.56	20	70.0	833	4028	39.39	32	4400.0	11	18	0.18
9	1.6	192	9976	97.55	21	98.0	816	3195	31.24	33	6100.0	6	7	0.07
10	2.2	311	9784	95.67	22	140.0	681	2379	23.26	34	8700.0	1	1	0.01
11	3.1	462	9473	92.63	23	200.0	519	1698	16.60					

## 03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.4  
 P90 = 3.9  
 P75 = 10.4  
 P70 = 14.5  
 P50 = 43.5  
 P25 = 131.0  
 P10 = 330.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1940	2.80 15	2.80 15	2.90 15	3.10 15	3.50 14	5.50 16	8.00 16	8.80 14	16.00 13
1941	1.00 4	1.10 4	1.19 5	1.30 3	1.30 3	1.60 3	1.90 2	2.20 1	4.70 3
1942	0.00 1	0.00 1	0.01 1	0.06 1	0.12 1	0.27 1	1.50 1	3.30 5	11.00 10
1943	5.90 24	5.90 22	6.20 22	6.20 20	6.70 19	8.70 19	12.00 18	14.00 18	32.00 18
1944	3.20 16	3.30 16	3.30 16	3.50 16	3.80 16	5.40 14	7.50 15	8.20 11	8.20 5
1945	1.10 6	1.19 6	1.30 6	1.50 6	1.60 5	1.80 4	2.00 3	2.40 2	2.90 1
1946	8.40 27	8.70 26	9.40 26	14.00 27	21.00 27	33.00 25	54.00 26	106.00 28	105.00 26
1947	2.10 13	2.20 13	2.40 12	2.60 11	3.60 15	4.80 12	6.80 13	11.00 16	27.00 14
1948	5.60 23	5.90 23	6.80 23	8.70 23	14.00 24	17.00 22	20.00 20	22.00 20	28.00 15
1949	1.00 5	1.10 5	1.10 4	1.40 4	2.10 7	3.20 8	5.10 9	8.60 13	31.00 17
1950	1.40 8	1.60 8	1.80 9	2.30 9	3.00 10	5.50 15	5.90 12	9.50 15	14.00 12
1951	4.70 19	5.10 19	6.10 21	8.10 22	11.00 22	42.00 27	61.00 27	53.00 24	98.00 25
1952	3.50 18	3.50 18	3.80 18	4.10 18	5.70 18	6.20 17	8.40 17	13.00 17	40.00 20
1953	6.20 25	7.90 25	9.10 24	11.00 25	11.00 23	14.00 21	42.00 24	36.00 22	50.00 23
1954	1.80 12	1.90 11	2.40 13	2.80 12	3.20 11	3.70 10	4.40 8	5.20 8	11.00 11
1955	1.19 7	1.30 7	1.30 7	1.40 5	1.50 4	1.80 5	2.10 4	2.90 4	4.00 2
1956	2.60 14	2.70 14	2.70 14	2.80 13	3.40 12	8.90 20	53.00 25	70.00 26	79.00 24
1957	3.20 17	3.30 17	3.60 17	4.00 17	4.80 17	5.00 13	5.80 10	8.40 12	37.00 19
1958	8.30 26	8.80 27	9.10 25	9.80 24	16.00 25	36.00 26	41.00 23	64.00 25	211.00 28
1959	25.00 28	26.00 28	27.00 28	33.00 28	35.00 28	51.00 28	61.00 28	99.00 27	166.00 27
1960	5.40 21	5.50 21	5.80 20	7.00 21	7.40 20	8.60 18	14.00 19	17.00 19	28.00 16
1961	1.60 9	1.80 10	2.30 10	3.10 14	3.40 13	4.70 11	5.80 11	6.00 9	8.40 6
1962	5.30 20	5.30 20	5.50 19	6.10 19	9.70 21	19.00 23	22.00 21	30.00 21	43.00 22
1963	5.60 22	6.90 24	11.00 27	12.00 26	17.00 26	20.00 24	34.00 22	42.00 23	41.00 21
1964	1.60 10	1.70 9	1.70 8	1.80 7	2.00 6	2.50 6	3.00 6	3.50 6	9.00 7
1965	1.60 11	2.10 12	2.30 11	2.50 10	2.60 8	2.90 7	3.30 7	4.20 7	10.00 9
1966	0.30 3	0.40 3	0.97 3	1.80 8	2.60 9	3.40 9	7.20 14	7.00 10	9.10 8
1967	0.10 2	0.10 2	0.10 2	0.11 2	0.50 2	1.10 2	2.50 5	2.80 3	7.80 4

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	1180.00 26	929.00 25	633.00 26	444.00 24	321.00 23	218.00 25	213.00 24	177.00 25	127.00 25
1941	668.00 27	394.00 28	223.00 28	119.00 28	69.00 28	43.00 28	44.00 28	40.00 28	34.00 28
1942	2530.00 19	1800.00 18	1040.00 19	716.00 18	411.00 22	364.00 19	332.00 20	275.00 20	234.00 18
1943	6890.00 4	4440.00 4	2610.00 4	2120.00 2	1180.00 3	668.00 7	513.00 7	411.00 8	317.00 8
1944	4240.00 13	2740.00 13	1500.00 12	1080.00 11	678.00 11	467.00 13	367.00 17	292.00 19	194.00 22
1945	2460.00 20	1930.00 16	1170.00 16	701.00 20	443.00 21	395.00 18	389.00 13	344.00 14	249.00 16
1946	2050.00 21	1580.00 21	1000.00 20	743.00 17	492.00 18	342.00 21	335.00 19	319.00 17	293.00 12
1947	2040.00 22	1270.00 22	888.00 22	598.00 22	451.00 20	349.00 20	309.00 22	253.00 22	233.00 19
1948	6070.00 6	3390.00 9	1860.00 10	1370.00 7	1190.00 2	723.00 3	547.00 4	453.00 4	328.00 5
1949	5930.00 8	2950.00 10	1620.00 11	1290.00 8	1010.00 4	714.00 5	549.00 3	454.00 3	329.00 4
1950	7630.00 3	4270.00 5	2570.00 5	2180.00 1	1530.00 1	1070.00 1	847.00 1	711.00 1	514.00 1
1951	2940.00 18	1730.00 19	1200.00 15	912.00 14	571.00 15	443.00 16	398.00 11	367.00 12	309.00 10
1952	4180.00 14	2160.00 15	1150.00 17	977.00 13	614.00 13	519.00 10	462.00 10	421.00 7	346.00 3
1953	3760.00 16	1800.00 17	989.00 21	630.00 21	453.00 19	297.00 22	314.00 21	261.00 21	216.00 20
1954	1470.00 24	1080.00 23	651.00 25	451.00 23	304.00 25	188.00 26	146.00 26	122.00 26	88.00 26
1955	1570.00 23	1010.00 24	692.00 23	388.00 26	304.00 26	248.00 23	216.00 23	207.00 23	160.00 24

## 03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1956	6620.00	5	4630.00	3	2670.00	3	1410.00	6	818.00	9	500.00	11	371.00	16	393.00	9	313.00	9
1957	8680.00	2	5770.00	1	2840.00	1	1490.00	3	1000.00	5	729.00	2	729.00	2	611.00	2	485.00	2
1958	5760.00	9	3520.00	8	2560.00	6	1420.00	5	795.00	10	683.00	6	526.00	5	439.00	5	324.00	6
1959	4100.00	15	2260.00	14	1140.00	18	710.00	19	644.00	12	463.00	14	387.00	14	343.00	15	275.00	14
1960	1340.00	25	850.00	26	687.00	24	416.00	25	306.00	24	221.00	24	205.00	25	188.00	24	161.00	23
1961	4610.00	11	2860.00	12	2140.00	7	1280.00	9	917.00	8	666.00	8	526.00	6	436.00	6	302.00	11
1962	5380.00	10	2950.00	11	1470.00	13	784.00	16	543.00	17	487.00	12	397.00	12	323.00	16	248.00	17
1963	5970.00	7	3600.00	6	1910.00	9	1230.00	10	931.00	6	663.00	9	477.00	9	371.00	11	258.00	15
1964	9100.00	1	5210.00	2	2700.00	2	1490.00	4	918.00	7	718.00	4	504.00	8	390.00	10	279.00	13
1965	3160.00	17	1670.00	20	1390.00	14	849.00	15	550.00	16	433.00	17	377.00	15	302.00	18	209.00	21
1966	600.00	28	500.00	27	299.00	27	178.00	27	154.00	27	94.00	27	87.00	27	87.00	27	70.00	27
1967	4320.00	12	3520.00	7	2050.00	8	1070.00	12	573.00	14	451.00	15	342.00	18	344.00	13	324.00	7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1940	89.00	6
1941	45.00	1
1942	81.00	4
1943	112.00	11
1944	149.00	18
1945	99.00	8
1946	230.00	24
1947	118.00	12
1948	170.00	20
1949	235.00	25
1950	237.00	26
1951	202.00	22
1952	179.00	21
1953	145.00	15
1954	75.00	2
1955	86.00	5
1956	145.00	16
1957	165.00	19
1958	325.00	28
1959	270.00	27
1960	106.00	10
1961	93.00	7
1962	218.00	23
1963	133.00	14
1964	102.00	9
1965	149.00	17
1966	75.00	3
1967	131.00	13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	67.00	25
1941	19.00	28
1942	129.00	20
1943	173.00	9
1944	100.00	23
1945	140.00	17
1946	182.00	6
1947	130.00	18
1948	173.00	10
1949	175.00	8
1950	288.00	1
1951	179.00	7
1952	208.00	4
1953	130.00	19
1954	46.00	26
1955	100.00	24
1956	205.00	5
1957	268.00	3
1958	274.00	2
1959	156.00	13
1960	106.00	22
1961	157.00	12
1962	153.00	14
1963	145.00	15
1964	144.00	16
1965	108.00	21
1966	38.00	27
1967	169.00	11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1939	*	*	*	*	*	*	478.00	61.00	52.00	92.90	25.00	5.64
1940	8.40	9.88	11.20	38.70	148.00	146.00	277.00	120.00	36.40	7.81	2.64	1.77
1941	1.52	3.05	11.80	18.00	30.60	27.70	44.70	16.70	68.50	5.56	0.19	0.40
1942	7.87	30.10	54.70	43.20	434.00	299.00	278.00	105.00	261.00	30.60	14.80	17.80
1943	6.85	78.70	129.00	86.40	127.00	217.00	73.30	1127.0	171.00	17.20	15.50	9.07
1944	4.04	14.90	8.06	6.48	65.10	257.00	665.00	141.00	39.10	5.93	2.31	1.72
1945	2.20	3.77	3.48	4.06	45.80	276.00	366.00	327.00	386.00	83.60	43.00	140.00
1946	198.00	96.80	187.00	259.00	268.00	407.00	73.40	475.00	148.00	34.20	24.40	5.15
1947	4.57	14.50	90.40	278.00	103.00	155.00	391.00	219.00	206.00	24.80	52.10	20.50
1948	17.10	23.60	29.20	222.00	225.00	608.00	739.00	129.00	52.20	27.20	7.61	2.72
1949	5.98	102.00	258.00	983.00	360.00	168.00	98.80	58.70	41.70	10.70	8.41	3.45
1950	17.50	11.40	98.90	1485.0	624.00	404.00	257.00	54.20	187.00	183.00	10.70	145.00
1951	27.30	210.00	308.00	346.00	535.00	190.00	249.00	132.00	46.50	113.00	10.10	7.03
1952	9.84	58.40	260.00	450.00	344.00	471.00	330.00	167.00	257.00	35.20	15.10	103.00
1953	12.30	30.20	108.00	146.00	104.00	438.00	140.00	343.00	53.30	124.00	43.60	4.44
1954	3.86	5.01	7.55	29.00	36.80	105.00	267.00	56.10	41.00	4.53	2.43	1.47
1955	4.75	3.89	24.50	187.00	159.00	290.00	185.00	62.30	66.40	191.00	13.20	19.20

## WABASH RIVER BASIN

03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1956	125.00	307.00	97.10	36.50	461.00	192.00	175.00	627.00	292.00	143.00	18.20	5.64
1957	5.41	9.84	125.00	198.00	258.00	128.00	860.00	421.00	244.00	229.00	71.80	24.80
1958	71.10	264.00	730.00	135.00	71.10	121.00	76.00	182.00	785.00	274.00	490.00	73.60
1959	43.20	181.00	99.30	361.00	436.00	258.00	288.00	116.00	65.00	30.80	11.10	7.87
1960	22.50	49.30	105.00	171.00	262.00	158.00	117.00	85.70	140.00	142.00	18.60	7.87
1961	3.39	7.78	6.26	13.40	32.00	532.00	693.00	326.00	164.00	42.80	39.00	26.40
1962	14.20	80.30	75.20	487.00	225.00	447.00	98.50	137.00	33.70	183.00	23.90	22.60
1963	77.20	46.20	25.90	47.90	48.60	828.00	445.00	128.00	42.60	26.40	11.10	2.97
1964	2.14	4.42	6.82	33.80	22.10	501.00	906.00	85.90	50.50	105.00	7.76	3.20
1965	2.67	5.85	8.33	61.80	252.00	315.00	546.00	70.90	23.10	16.00	3.00	14.40
1966	6.05	5.69	13.60	53.50	105.00	56.60	69.50	115.00	24.10	4.98	0.49	4.46
1967	2.93	20.60	552.00	214.00	222.00	340.00	220.00	386.00	47.30	7.95	2.15	0.41

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.90	6.33	11.40	37.00	66.60	156.00
FIFTIETH PERCENTILE					
7.36	22.10	82.80	141.00	191.00	267.00
SEVENTY FIFTH PERCENTILE					
21.19	79.90	128.00	273.00	325.00	430.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
108.00	78.30	42.10	13.40	5.30	3.08
FIFTIETH PERCENTILE					
267.00	129.00	65.00	34.20	13.20	7.03
SEVENTY FIFTH PERCENTILE					
462.00	327.00	197.00	133.00	24.69	21.50

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1971					1	10	16	34	84	42	41	18	9	5	9	10	8	12	6	10	10	14	15		3	4	3			1						
1972					8	48	30	49	15	21	2	35	14	9	11	23	15	8	30	10	10	10	10	5	6	2	2	1		1	1					
1973								1	6	14	31	42	12	22	17	32	39	15	30	16	18	15	25	14	7	4	2	1	1			1				
1974						4	2	12	33	49	18	14	15	9	7	36	20	32	19	16	17	13	10	4	11	7	12	3	1					1		
1975					1	1		1	32	24	24	38	27	18	8	15	30	20	30	21	21	19	17	5	3	3	1	4	1	1						
1976						25	25	47	66	59	24	3	6	10	13	16	10	15	10	4	7	5	4	6	6	2	1		1		1					
1977				7	2	49	66	33	52	30	32	29	17	10	13	5	6	4	3	2	1	1		1	2											
1978						23	50	28	43	25	10	5	5	13	14	28	19	20	18	13	8	9	5	3	7	6	4	4	2	2				1		
1979						5	50	52	24	12	14	9	12	15	15	23	20	19	14	16	15	12	12	10	3	4	1	2	2	3	1					
1980					6	9	28	20	47	31	21	8	19	13	31	23	25	14	13	15	13	6	12	5	2	3	1	1								
1981				1	24	72	35	9	39	28	19	7	8	5	6	12	15	15	8	23	3	7	9	4	4	4	1	1	1	1	1					
1982					32	21	1	40	17	7	1	62	11	9	10	2	6	17	10	28	14	18	14	8	8	9	3	7	7	3						
1983	18	7	9	3	2	16	52	22	9	15	3	10	46	21	15	9	21	17	24	9	11	7	3	6	2	3			2	3						
1984		10	13	5	16	32	46	27	7	2	4	14	41	21	11	8	16	19	20	12	9	9	2	8	4	3	2	2			1					
1985			11	8	5	19	43	36	13	6	2	43	40	8	6	6	24	15	17	15	8	8	7	7	4	4	2	4	1		2				1	

## 03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5479	100.00	12	34.0	313	2982	54.43	24	620.0	98	345	6.30
1	2.4	18	5479	100.00	13	43.0	266	2669	48.71	25	790.0	66	247	4.51
2	3.1	17	5461	99.67	14	55.0	185	2403	43.86	26	1000.0	59	181	3.30
3	3.9	34	5444	99.36	15	70.0	183	2218	40.48	27	1300.0	36	122	2.23
4	5.0	80	5410	98.74	16	90.0	199	2035	37.14	28	1600.0	40	86	1.57
5	6.3	143	5330	97.28	17	110.0	323	1836	33.51	29	2100.0	23	46	0.84
6	8.0	226	5187	94.67	18	150.0	205	1513	27.61	30	2600.0	9	23	0.42
7	10.0	405	4961	90.55	19	180.0	314	1308	23.87	31	3300.0	9	14	0.26
8	13.0	456	4556	83.15	20	240.0	188	994	18.14	32	4300.0	2	5	0.09
9	17.0	397	4100	74.83	21	300.0	179	806	14.71	33	5400.0	1	3	0.05
10	21.0	370	3703	67.59	22	380.0	160	627	11.44	34	6900.0	2	2	0.04
11	27.0	351	3333	60.83	23	490.0	122	467	8.52					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	7.8
P90 =	10.2
P75 =	16.9
P70 =	19.7
P50 =	41.0
P25 =	171.0
P10 =	434.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	5.50 6	6.40 6	6.80 6	8.20 5	8.70 5	9.10 5	9.50 3	10.00 2	20.00 2
1973	11.00 11	12.00 10	12.00 10	13.00 9	13.00 9	13.00 9	17.00 8	32.00 8	58.00 9
1974	20.00 14	22.00 14	23.00 14	25.00 14	31.00 14	33.00 13	35.00 11	71.00 12	93.00 12
1975	10.00 10	13.00 12	18.00 13	20.00 12	26.00 13	50.00 14	51.00 13	64.00 10	106.00 13
1976	7.40 8	12.00 11	17.00 12	21.00 13	22.00 12	24.00 12	25.00 10	27.00 7	41.00 7
1977	8.40 9	8.40 8	8.60 8	8.90 6	9.20 6	11.00 7	15.00 7	16.00 5	17.00 1
1978	5.10 5	5.20 4	5.50 4	9.30 8	10.00 7	13.00 8	14.00 6	18.00 6	28.00 5
1979	12.00 12	12.00 9	12.00 9	14.00 10	16.00 10	19.00 10	63.00 14	83.00 14	131.00 14
1980	13.00 13	14.00 13	14.00 11	15.00 11	18.00 11	19.00 11	43.00 12	80.00 13	88.00 11
1981	4.00 3	4.70 3	4.90 3	4.90 3	5.60 3	6.80 1	7.20 1	7.40 1	22.00 3
1982	5.00 4	5.50 5	5.70 5	6.00 4	6.20 4	6.80 2	12.00 5	65.00 11	84.00 10
1983	2.40 1	2.40 1	2.80 1	3.20 1	3.70 1	8.30 4	24.00 9	37.00 9	58.00 8
1984	7.30 7	7.50 7	8.00 7	8.90 7	10.00 8	10.00 6	11.00 4	12.00 3	30.00 6
1985	3.20 2	3.30 2	3.50 2	4.20 2	4.60 2	6.80 3	7.60 2	12.00 4	28.00 4

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	2430.00 11	1530.00 12	1060.00 12	783.00 11	541.00 11	374.00 11	260.00 11	238.00 12	183.00 14
1972	2800.00 9	2240.00 8	1360.00 8	884.00 9	628.00 8	378.00 10	287.00 10	260.00 10	227.00 10
1973	3420.00 7	1780.00 11	1090.00 11	954.00 8	612.00 9	459.00 9	387.00 9	338.00 9	361.00 5
1974	5420.00 3	2520.00 4	1710.00 5	1310.00 5	749.00 6	580.00 5	580.00 2	533.00 1	500.00 1
1975	2800.00 8	2440.00 6	1360.00 9	817.00 10	600.00 10	514.00 7	455.00 6	431.00 5	356.00 6
1976	4760.00 5	2500.00 5	1650.00 7	1320.00 4	908.00 5	558.00 6	436.00 7	361.00 7	246.00 9
1977	967.00 15	667.00 15	445.00 15	273.00 15	173.00 15	135.00 15	104.00 15	87.00 15	63.00 15
1978	7360.00 1	3130.00 3	2100.00 3	1730.00 1	1120.00 1	659.00 3	528.00 3	508.00 3	384.00 4
1979	5000.00 4	3730.00 2	2610.00 1	1460.00 3	943.00 4	643.00 4	468.00 5	397.00 6	401.00 3
1980	1690.00 14	857.00 14	602.00 14	443.00 14	395.00 14	324.00 14	240.00 14	230.00 13	187.00 13
1981	2710.00 10	1330.00 13	849.00 13	701.00 13	525.00 12	336.00 12	242.00 13	220.00 14	195.00 12
1982	2400.00 12	2050.00 9	1670.00 6	1110.00 6	1030.00 2	739.00 1	601.00 1	512.00 2	409.00 2
1983	2220.00 13	1850.00 10	1350.00 10	730.00 12	410.00 13	324.00 13	254.00 12	251.00 11	226.00 11
1984	3770.00 6	2320.00 7	1750.00 4	1100.00 7	667.00 7	504.00 8	422.00 8	341.00 8	287.00 8
1985	6900.00 2	4800.00 1	2570.00 2	1550.00 2	1010.00 3	701.00 2	501.00 4	451.00 4	356.00 7

## WABASH RIVER BASIN

03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	84.00	3
1973	232.00	10
1974	254.00	13
1975	288.00	14
1976	178.00	7
1977	37.00	1
1978	159.00	5
1979	247.00	12
1980	206.00	9
1981	68.00	2
1982	244.00	11
1983	147.00	4
1984	169.00	6
1985	200.00	8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	100.00	14
1972	124.00	12
1973	233.00	4
1974	316.00	1
1975	206.00	6
1976	142.00	9
1977	39.00	15
1978	257.00	3
1979	258.00	2
1980	129.00	11
1981	113.00	13
1982	226.00	5
1983	132.00	10
1984	152.00	8
1985	192.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	14.20	15.40	20.20	20.50	493.00	266.00	44.60	150.00	152.00	29.40	14.60	11.50
1972	9.14	9.15	178.00	215.00	56.60	127.00	626.00	97.50	117.00	19.80	13.20	30.40
1973	74.30	612.00	308.00	235.00	190.00	468.00	355.00	81.30	232.00	93.90	122.00	35.90
1974	32.10	324.00	446.00	720.00	226.00	375.00	538.00	409.00	513.00	98.40	26.70	75.20
1975	76.10	78.40	294.00	465.00	576.00	335.00	359.00	123.00	63.20	70.00	32.40	21.90
1976	27.90	29.80	186.00	213.00	765.00	280.00	28.00	14.30	67.80	72.10	26.20	18.70
1977	19.90	13.80	24.20	9.35	25.80	123.00	100.00	79.30	31.20	15.40	15.60	10.30
1978	66.30	35.00	542.00	69.90	20.60	900.00	336.00	299.00	383.00	117.00	231.00	49.20
1979	19.50	133.00	249.00	197.00	272.00	679.00	413.00	75.00	30.10	800.00	195.00	20.30
1980	18.70	212.00	133.00	82.10	128.00	350.00	216.00	55.10	196.00	26.00	125.00	14.40
1981	8.18	7.74	8.09	5.76	120.00	45.90	122.00	514.00	66.80	98.90	138.00	224.00
1982	7.08	8.13	92.30	334.00	635.00	711.00	330.00	158.00	272.00	166.00	14.80	11.30
1983	114.00	4.99	329.00	91.70	145.00	126.00	345.00	270.00	87.90	44.20	13.70	10.90
1984	11.00	15.70	323.00	49.20	251.00	607.00	384.00	107.00	29.10	31.40	8.76	7.59
1985	6.74	223.00	246.00	195.00	690.00	519.00	280.00	101.00	49.80	13.30	15.80	10.80

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

9.14	9.15	92.30	49.20	120.00	127.00
------	------	-------	-------	--------	--------

## FIFTIETH PERCENTILE

19.50	29.80	246.00	195.00	226.00	350.00
-------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

66.30	212.00	323.00	235.00	576.00	607.00
-------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

122.00	79.30	49.80	26.00	14.60	10.90
--------	-------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

336.00	107.00	87.90	70.00	26.20	18.69
--------	--------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

384.00	270.00	232.00	98.90	125.00	35.90
--------	--------	--------	-------	--------	-------

## 03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN

LOCATION.--Lat 39°47'15", long 86°13'41", in NE¼SW¼ sec.32, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank at upstream side of 16th Street bridge in Speedway, 0.6 mi upstream from Dry Run, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--23.9 mi<sup>2</sup> including 5.57 mi<sup>2</sup> from Dry Run basin. Since June 1964 part of the flow from the 5.57 mi<sup>2</sup> of Dry Run basin has been diverted into Little Eagle Creek above gage.

PERIOD OF RECORD.--October 1959 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 707.82 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to June 13, 1975, at datum 3.00 ft higher.

AVERAGE DISCHARGE.--21 years (water years 1965 to 1985) 21.2 ft<sup>3</sup>/s, 12.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,330 ft<sup>3</sup>/s July 28, 1979, gage height, 12.13 ft; no flow at times in 1960-64, 1966.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1960	16	12		3		4	14	5	8	7	3	7	10	13	39	58	39	33	21	23	10	11	7	10	5	3	1	3	1							
1961	18	7		13	5	13	12	17	11	22	34	20	24	8	20	28	18	10	14	12	11	7	10	12	5	3	3	4			1	2	1			
1962	15	14		6	4	4	5	11	7	21	13	12	26	14	21	36	29	25	22	20	14	12	10	9	3	4	1	3	1	1	1	1				
1963	5	6		12	11	14	6	33	16	32	41	21	22	17	7	22	19	9	10	15	13	11	4	6	1		7	2		1	1			1		
1964	6	14		6	4	25	25	34	26	27	29	15	24	19	9	15	12	15	11	8	7	6	2	5	3	4	1	1	1	1	2	1				
1965				3	7	5	10	45	25	26	18	28	22	23	28	16	16	17	16	12	11	9	10	5	8	1	2			1	1					
1966	8	43		12	9	10	10	9	23	32	23	39	28	23	23	16	18	12	10	6	3		3	3		1	1									
1967		6		3	2	8		31	20	24	43	12	9	8	17	25	29	26	20	23	16	15	8	6	2	4	1	2	2		3					
1968								2	15	15	23	45	30	28	38	26	19	17	18	18	19	11	15	9	7	2	2	2	1	2	2					
1969									1	11	20	18	21	32	39	50	37	24	18	18	15	17	6	14	7	6	3	2	2	1	2	1				
1970				1				1	4	3	9	13	15	19	26	43	43	41	32	42	21	15	14	5	9	2	2	2		2	1					
1971									4	13	29	58	49	40	38	31	20	23	21	15	6	5	1	4	3	1	2	1		1						
1972								4	4	5	9	49	74	35	22	14	19	36	33	24	13	8	4	2	2	2	3	1	3							
1973									9	3	17	8	32	37	48	39	28	34	29	32	18	11	3	7	4	2	2	1	1							
1974									6	7	14	41	35	24	35	32	28	41	24	18	15	8	10	10	10	4	1	2								
1975									10	18	16	13	27	30	33	27	16	33	27	41	22	18	11	6	8		5	1	1	1	1					
1976						6	13	14	32	21	28	31	37	20	25	24	32	16	14	11	12	7	11	1	6	1	3			1						
1977				15	28	21	22	41	39	24	16	16	25	12	9	11	11	19	11	12	9	5	6	2	5	3		2	1							
1978									2	15	56	43	36	43	19	17	28	24	20	13	22	8	5	2	4		2	1	3			1	1			
1979									2	16	8	25	31	32	45	46	32	21	23	19	12	11	11	7	6	5	2	2	5	1	1	2				
1980										13	16	17	23	27	47	35	29	32	25	20	22	18	16	15	6	3	2									
1981								7	38	35	72	39	26	20	21	20	14	15	13	14	6	6	6	5	5		1		1	1						
1982					1	5	14	12	16	21	17	25	20	32	27	25	22	20	19	16	18	15	12	9	4	8	4		1	1					1	
1983				4	1	4	25	17	19	16	13	17	11	19	25	36	21	28	24	21	20	12	9	6	9	5	1	1	1							
1984					1	2	7	10	14	21	21	24	19	28	25	21	20	26	35	22	16	14	13	7	5	7	3	1	3			1				
1985								6	9	12	16	23	24	44	31	37	19	34	23	17	17	14	10	8	2	7	7	2		1	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	68	9497	100.00	12	2.3	644	7141	75.19	24	72.0	156	518	5.45
1	0.10	102	9429	99.28	13	3.1	682	6497	68.41	25	97.0	107	362	3.81
2	0.13	0	9327	98.21	14	4.1	739	5815	61.23	26	130.0	95	255	2.69
3	0.18	58	9327	98.21	15	5.5	768	5076	53.45	27	170.0	61	160	1.68
4	0.24	62	9269	97.60	16	7.3	737	4308	45.36	28	230.0	26	99	1.04
5	0.31	114	9207	96.95	17	9.8	569	3571	37.60	29	300.0	29	73	0.77
6	0.42	114	9093	95.75	18	13.0	587	3002	31.61	30	400.0	18	44	0.46
7	0.56	262	8979	94.55	19	17.0	575	2415	25.43	31	540.0	17	26	0.27
8	0.74	259	8717	91.79	20	23.0	452	1840	19.37	32	720.0	5	9	0.09
9	0.99	358	8458	89.06	21	31.0	365	1388	14.62	33	950.0	3	4	0.04
10	1.3	500	8100	85.29	22	41.0	277	1023	10.77	34	1300.0	1	1	0.01
11	1.8	459	7600	80.03	23	54.0	228	746	7.86					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.51  
P90 = 0.90  
P75 = 2.3  
P70 = 2.9  
P50 = 6.3  
P25 = 17.4  
P10 = 44.4

## WABASH RIVER BASIN

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1961	0.00 1	0.00 1	0.00 1	0.00 1	0.18 2	0.40 2	0.64 3	0.83 3	1.19 3
1962	0.00 2	0.07 5	0.13 5	0.26 5	0.67 6	1.80 11	1.90 9	2.60 7	3.40 8
1963	0.00 3	0.00 2	0.00 2	0.02 2	0.59 5	1.60 9	2.30 10	2.60 8	3.50 9
1964	0.00 4	0.00 3	0.07 3	0.25 4	0.35 4	0.52 4	0.52 2	0.71 2	1.00 2
1965	0.20 6	0.27 8	0.40 8	0.47 7	0.70 7	0.86 5	0.90 4	1.19 4	1.60 4
1966	0.40 11	0.40 9	0.46 9	0.66 8	0.91 10	1.40 8	1.70 7	2.60 9	2.50 6
1967	0.00 5	0.00 4	0.07 4	0.10 3	0.13 1	0.17 1	0.27 1	0.39 1	0.84 1
1968	0.40 12	0.57 13	0.70 13	0.76 10	0.89 9	1.10 6	1.40 6	1.50 5	2.50 7
1969	0.84 17	0.93 17	1.00 15	1.10 13	1.50 12	1.70 10	2.70 11	4.00 13	5.90 13
1970	1.10 20	1.19 20	1.19 18	1.50 17	2.00 14	5.80 23	12.00 25	14.00 25	14.00 23
1971	0.29 9	0.58 14	1.10 16	1.90 19	3.40 23	3.90 17	5.40 20	5.60 16	6.30 14
1972	0.78 16	0.83 15	0.94 14	1.19 15	1.90 13	2.50 13	3.30 12	3.60 12	5.30 11
1973	2.10 24	2.20 24	2.30 24	2.90 23	3.10 20	3.60 15	3.90 15	4.70 14	6.80 15
1974	1.40 23	1.50 22	1.60 22	2.20 21	3.20 21	3.80 16	4.40 16	6.70 20	13.00 20
1975	3.10 25	3.30 25	3.60 25	3.70 25	4.30 25	7.10 25	8.60 23	10.00 23	14.00 24
1976	1.00 18	1.00 18	1.19 19	2.30 22	4.20 24	4.50 20	5.30 19	6.30 18	7.80 17
1977	0.24 7	0.25 6	0.27 6	0.28 6	0.31 3	0.47 3	1.00 5	1.90 6	2.30 5
1978	0.45 14	0.45 11	0.48 10	0.75 9	2.30 16	5.10 21	7.80 22	9.00 21	13.00 21
1979	1.00 19	1.10 19	1.50 21	2.00 20	2.80 18	7.00 24	10.00 24	13.00 24	19.00 25
1980	1.30 21	1.90 23	2.00 23	3.00 24	3.30 22	4.10 19	6.50 21	10.00 22	13.00 22
1981	1.30 22	1.40 21	1.40 20	1.60 18	2.20 15	2.80 14	3.40 13	3.40 11	5.10 10
1982	0.40 13	0.42 10	0.49 11	1.10 14	3.00 19	4.00 18	4.90 17	4.90 15	6.90 16
1983	0.26 8	0.27 7	0.39 7	0.77 11	0.87 8	1.10 7	1.90 8	2.70 10	5.70 12
1984	0.39 10	0.49 12	0.59 12	0.79 12	1.40 11	2.40 12	3.90 14	5.90 17	9.30 18
1985	0.71 15	0.84 16	1.10 17	1.50 16	2.60 17	5.20 22	5.30 18	6.60 19	11.00 19

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1960	234.00 24	126.00 24	98.00 24	56.00 25	45.00 24	31.00 25	26.00 25	25.00 25	21.00 24
1961	935.00 4	375.00 11	250.00 7	151.00 6	118.00 2	87.00 3	72.00 1	56.00 3	39.00 8
1962	547.00 13	229.00 20	114.00 22	87.00 18	64.00 18	48.00 18	39.00 17	32.00 20	31.00 18
1963	973.00 3	481.00 3	232.00 8	148.00 8	124.00 1	78.00 5	56.00 5	43.00 10	30.00 19
1964	831.00 6	592.00 1	310.00 1	171.00 1	104.00 7	88.00 2	62.00 4	48.00 6	32.00 15
1965	542.00 14	236.00 18	120.00 21	76.00 21	55.00 22	41.00 22	39.00 18	32.00 21	23.00 22
1966	160.00 26	108.00 26	58.00 26	31.00 26	20.00 26	13.00 26	12.00 26	11.00 26	8.80 26
1967	505.00 18	481.00 4	259.00 4	131.00 10	73.00 12	48.00 19	37.00 21	36.00 17	33.00 13
1968	516.00 17	246.00 16	193.00 12	109.00 13	64.00 19	49.00 17	39.00 19	38.00 14	35.00 10
1969	638.00 9	442.00 5	256.00 5	165.00 3	113.00 4	73.00 6	53.00 9	47.00 7	35.00 11
1970	520.00 15	273.00 14	144.00 15	78.00 20	54.00 23	37.00 23	37.00 20	35.00 18	31.00 16
1971	492.00 19	234.00 19	129.00 19	79.00 19	67.00 17	42.00 21	31.00 24	26.00 23	20.00 25
1972	384.00 20	265.00 15	134.00 18	91.00 16	68.00 16	46.00 20	35.00 22	32.00 22	31.00 17
1973	516.00 16	245.00 17	126.00 20	110.00 12	72.00 13	50.00 14	44.00 15	37.00 16	36.00 9
1974	360.00 21	218.00 21	140.00 17	99.00 14	61.00 20	50.00 15	45.00 12	42.00 11	43.00 5
1975	621.00 10	308.00 12	163.00 13	96.00 15	71.00 14	57.00 11	55.00 6	52.00 5	43.00 6
1976	609.00 11	304.00 13	155.00 14	88.00 17	79.00 11	55.00 12	45.00 13	41.00 12	29.00 21
1977	300.00 23	151.00 23	101.00 23	60.00 24	40.00 25	35.00 24	32.00 23	25.00 24	21.00 23
1978	1300.00 1	562.00 2	281.00 2	169.00 2	101.00 3	63.00 10	54.00 8	58.00 2	48.00 2
1979	903.00 5	386.00 9	256.00 6	159.00 4	115.00 3	71.00 7	50.00 10	45.00 9	49.00 1
1980	219.00 25	122.00 25	89.00 25	73.00 23	69.00 15	51.00 13	44.00 14	38.00 15	32.00 14
1981	661.00 8	416.00 8	225.00 9	149.00 7	107.00 5	67.00 9	50.00 11	41.00 13	30.00 20
1982	987.00 2	425.00 6	195.00 11	127.00 11	105.00 6	89.00 1	71.00 2	61.00 1	45.00 3
1983	360.00 22	205.00 22	143.00 16	75.00 22	57.00 21	49.00 16	39.00 16	33.00 19	33.00 12
1984	600.00 12	383.00 10	271.00 3	155.00 5	91.00 9	68.00 8	55.00 7	47.00 8	40.00 7
1985	787.00 7	422.00 7	222.00 10	136.00 9	90.00 10	83.00 4	62.00 3	53.00 4	45.00 4



03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	13.00	5
1962	23.00	16
1963	19.00	12
1964	12.00	3
1965	16.00	9
1966	9.40	1
1967	14.00	6
1968	17.00	10
1969	23.00	17
1970	21.00	13
1971	18.00	11
1972	13.00	4
1973	25.00	18
1974	23.00	14
1975	30.00	23
1976	23.00	15
1977	10.00	2
1978	26.00	19
1979	32.00	24
1980	28.00	21
1981	14.00	7
1982	33.00	25
1983	15.00	8
1984	27.00	20
1985	29.00	22

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	15.00	22
1961	20.00	13
1962	18.00	16
1963	16.00	21
1964	17.00	20
1965	13.00	23
1966	4.90	26
1967	18.00	17
1968	20.00	14
1969	23.00	9
1970	21.00	11
1971	13.00	24
1972	18.00	18
1973	25.00	8
1974	28.00	4
1975	25.00	5
1976	19.00	15
1977	12.00	25
1978	36.00	1
1979	32.00	2
1980	22.00	10
1981	17.00	19
1982	25.00	6
1983	20.00	12
1984	25.00	7
1985	28.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1960	11.90	8.64	17.70	26.30	32.50	18.90	10.20	8.94	24.70	14.20	1.53	0.54
1961	0.34	1.23	1.30	2.37	8.15	81.40	79.40	48.50	9.45	2.19	5.47	2.87
1962	0.77	4.81	5.53	41.20	23.80	49.70	6.08	30.40	8.54	41.30	2.34	1.83
1963	9.15	3.47	1.42	2.93	2.59	113.00	38.10	12.80	4.93	4.91	1.66	0.51
1964	0.56	1.25	0.49	4.72	3.81	70.40	103.00	8.68	3.20	2.79	1.46	0.89
1965	0.99	1.98	2.30	11.20	36.30	26.50	54.10	6.26	5.34	2.03	1.78	5.96
1966	1.67	1.50	2.69	7.54	18.00	7.47	10.10	8.18	1.11	0.67	0.15	0.20
1967	0.81	7.08	67.80	16.50	21.50	32.70	13.00	45.20	3.95	1.95	1.35	0.97
1968	3.90	2.98	42.30	36.20	32.80	20.90	34.70	40.00	14.00	1.52	10.80	1.68
1969	1.83	10.60	34.40	78.30	43.50	8.28	37.00	7.16	15.00	29.00	9.35	7.64
1970	18.60	46.20	12.80	24.80	26.20	24.50	44.20	25.00	10.60	8.02	4.83	4.45
1971	8.96	6.29	7.57	8.06	69.90	17.50	6.48	15.00	5.71	11.40	4.06	5.07
1972	2.88	2.48	50.80	21.30	9.20	23.70	68.30	9.80	12.40	3.19	4.03	6.62
1973	5.21	71.80	29.90	31.50	15.00	45.90	22.30	9.92	25.90	23.00	12.20	4.91
1974	4.56	19.20	36.40	54.40	24.90	35.20	27.30	50.20	42.70	13.50	13.70	10.20
1975	5.29	11.70	32.50	50.20	64.00	41.70	52.20	17.40	10.60	10.20	7.46	4.72
1976	6.00	16.10	24.00	31.60	49.20	49.10	5.51	4.84	22.70	10.70	11.40	1.70
1977	5.54	2.27	0.85	0.32	20.90	36.80	15.40	25.40	5.56	4.61	22.30	2.99
1978	32.90	10.20	84.10	9.91	3.82	87.80	27.30	40.80	63.40	20.80	42.80	6.68
1979	9.78	14.70	26.10	21.80	35.30	70.90	41.20	8.77	8.37	92.30	44.70	3.95
1980	4.34	21.50	22.40	16.10	15.10	53.00	43.80	23.40	21.70	13.00	24.10	7.25
1981	3.76	4.18	3.72	2.32	12.90	4.84	25.30	103.00	15.90	16.90	3.65	5.70
1982	6.38	3.85	14.80	72.90	69.90	62.60	27.60	19.30	12.10	8.39	3.04	1.32
1983	1.34	10.20	54.50	10.40	17.30	20.30	45.00	49.00	14.70	8.73	5.87	1.44
1984	9.71	26.30	39.40	4.46	30.10	87.50	43.40	24.30	7.34	7.97	2.72	15.40
1985	10.30	42.10	36.50	16.60	60.30	78.90	34.60	21.20	6.40	6.17	17.20	2.88

## WABASH RIVER BASIN

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.59	2.85	3.46	6.83	14.50	20.69
FIFTIETH PERCENTILE					
4.88	7.86	23.19	16.50	24.30	39.20
SEVENTY FIFTH PERCENTILE					
9.29	16.89	37.20	32.70	38.10	70.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
14.80	8.90	5.67	3.09	2.20	1.41
FIFTIETH PERCENTILE					
34.60	20.19	10.60	8.56	5.15	3.47
SEVENTY FIFTH PERCENTILE					
44.40	40.20	17.30	14.90	12.60	6.12

## 03353620 LICK CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'21", long 86°06'13", in NE¼NE¼ sec.32, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank at upstream side of Sherman Drive bridge in Indianapolis, and at mile 6.2.

DRAINAGE AREA.--15.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 742.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

AVERAGE DISCHARGE.--15 years, 19.3 ft<sup>3</sup>/s, 16.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,500 ft<sup>3</sup>/s June 25, 1978, gage height, 9.61 ft; minimum daily, 0.05 ft<sup>3</sup>/s Sept. 19, 1983.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971													1	23	33	63	63	35	35	22	18	14	20	15	6	7	4	1	3	2					
1972													4	24	40	43	37	30	50	47	27	16	14	14	3	7	3	4	3						
1973													1	15	29	33	29	35	43	46	37	15	23	19	16	8	8	3	2	2	1				
1974													7	26	29	44	34	36	43	30	27	20	17	20	12	8	4	4	1	2	1				
1975													7	27	43	29	47	32	25	37	34	27	21	12	7	6	7	2	1					1	
1976													4	22	45	41	46	41	27	33	29	25	13	16	6	8	4	4	1	1					
1977													9	71	104	34	35	22	15	13	12	15	11	11	5	1	2	3		1			1		
1978											4		1	1	7	29	80	44	31	22	29	21	23	14	15	15	11	7	6		1	1	1		2
1979									1	1	1	8	19	20	18	34	31	47	35	24	24	20	18	16	8	6	3	15	2	5	3	1	2	3	
1980												6	19	17	28	27	40	31	42	29	32	29	16	12	10	10	6	4	5	2		1			
1981										2	31	40	63	26	25	26	24	18	15	11	23	15	5	9	8	6	5	8	1		2		2		
1982									3	21	41	18	29	17	18	28	21	15	19	21	19	21	14	15	7	11	5	8	6	3	4	1			
1983		2	5	7	6	3	2	7	6	21	23	12	20	15	11	10	11	40	37	29	25	22	13	12	5	5	6	5	2	2	1				
1984			1		1	1		1	4	12	13	17	19	12	20	19	23	20	30	20	30	28	20	24	17	8	12	5	4	3		1	1		
1985												11	11	17	20	22	35	47	35	42	25	21	17	18	10	7	6	7	2	4	5		2	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	1.2	182	5147	93.94	24	37.0	184	649	11.85
1	0.05	2	5479	100.00	13	1.6	166	4965	90.62	25	50.0	137	465	8.49
2	0.07	6	5477	99.96	14	2.1	326	4799	87.59	26	66.0	101	328	5.99
3	0.09	7	5471	99.85	15	2.8	529	4473	81.64	27	88.0	91	227	4.14
4	0.12	7	5464	99.73	16	3.7	551	3944	71.98	28	120.0	56	136	2.48
5	0.16	4	5457	99.60	17	5.0	517	3393	61.93	29	160.0	33	80	1.46
6	0.21	2	5453	99.53	18	6.6	488	2876	52.49	30	210.0	22	47	0.86
7	0.28	8	5451	99.49	19	8.9	423	2388	43.58	31	280.0	7	25	0.46
8	0.37	14	5443	99.34	20	12.0	432	1965	35.86	32	370.0	11	18	0.33
9	0.50	57	5429	99.09	21	16.0	363	1533	27.98	33	500.0	5	7	0.13
10	0.67	113	5372	98.05	22	21.0	278	1170	21.35	34	660.0	2	2	0.04
11	0.89	112	5259	95.98	23	28.0	243	892	16.28					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.0  
P90 = 1.7  
P75 = 3.4  
P70 = 4.0  
P50 = 7.2  
P25 = 18.2  
P10 = 44.1

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	1.40 8	1.60 8	1.80 8	2.20 7	3.00 8	4.60 7	5.20 6	5.90 6	6.00 5
1973	2.20 12	2.40 12	2.70 12	3.30 12	4.90 13	7.10 14	7.60 10	9.00 13	11.00 9
1974	2.00 11	2.30 11	2.40 11	2.70 9	4.40 12	5.00 9	5.80 7	7.50 8	14.00 14
1975	2.60 14	2.70 13	3.10 13	3.60 13	4.00 11	5.20 10	7.70 11	8.10 9	12.00 10
1976	2.50 13	2.90 14	3.60 14	4.20 14	6.20 14	6.70 13	8.00 13	8.40 10	10.00 8
1977	1.90 10	1.90 9	2.10 9	2.20 8	2.40 5	2.70 5	3.70 5	4.40 5	4.30 2
1978	1.80 9	2.00 10	2.20 10	2.90 10	3.70 10	5.60 11	6.10 8	6.90 7	8.30 7
1979	0.49 4	0.60 4	0.92 6	0.97 5	2.60 6	4.90 8	6.60 9	8.50 11	13.00 12
1980	0.90 7	0.93 7	1.19 7	2.90 11	3.50 9	4.40 6	8.00 14	13.00 14	13.00 13
1981	0.64 6	0.66 6	0.70 4	0.75 4	0.93 3	1.19 3	2.40 4	2.50 3	5.30 4
1982	0.55 5	0.62 5	0.68 3	0.71 3	1.00 4	1.50 4	2.00 3	2.70 4	3.60 1
1983	0.46 3	0.49 2	0.55 2	0.66 2	0.80 2	0.95 1	1.30 1	2.40 2	7.70 6
1984	0.05 1	0.08 1	0.11 1	0.21 1	0.52 1	1.00 2	1.40 2	2.20 1	4.70 3
1985	0.42 2	0.59 3	0.84 5	2.00 6	3.00 7	6.30 12	7.90 12	8.60 12	12.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	209.00 14	119.00 14	108.00 11	71.00 11	50.00 9	33.00 13	28.00 12	24.00 13	18.00 14
1972	185.00 15	120.00 13	79.00 14	64.00 13	47.00 11	34.00 12	28.00 13	25.00 11	22.00 12
1973	300.00 10	180.00 11	91.00 13	66.00 12	60.00 7	43.00 9	37.00 9	32.00 9	31.00 7
1974	459.00 5	261.00 5	149.00 6	85.00 6	56.00 8	45.00 7	42.00 6	41.00 4	41.00 1
1975	516.00 4	261.00 6	135.00 8	80.00 7	65.00 5	55.00 3	51.00 2	46.00 2	37.00 3
1976	244.00 12	115.00 15	70.00 15	49.00 15	44.00 13	37.00 10	35.00 10	32.00 10	24.00 10
1977	378.00 8	216.00 8	126.00 9	80.00 8	49.00 10	37.00 11	30.00 11	24.00 12	18.00 15
1978	854.00 1	396.00 2	201.00 2	116.00 3	75.00 4	52.00 6	44.00 5	48.00 1	36.00 4
1979	645.00 2	413.00 1	251.00 1	143.00 1	96.00 1	63.00 1	47.00 3	40.00 5	39.00 2
1980	400.00 7	219.00 7	139.00 7	73.00 9	40.00 14	29.00 15	25.00 14	23.00 14	21.00 13
1981	406.00 6	297.00 3	195.00 3	124.00 2	85.00 2	55.00 4	39.00 7	34.00 8	25.00 9
1982	300.00 11	190.00 10	151.00 5	90.00 5	76.00 3	61.00 2	52.00 1	44.00 3	33.00 6
1983	224.00 13	151.00 12	96.00 12	54.00 14	40.00 15	31.00 14	25.00 15	22.00 15	22.00 11
1984	372.00 9	202.00 9	112.00 10	71.00 10	45.00 12	44.00 8	39.00 8	35.00 7	30.00 8
1985	537.00 3	290.00 4	165.00 4	97.00 4	62.00 6	54.00 5	46.00 4	40.00 6	36.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	11.00 1
1973	22.00 8
1974	24.00 11
1975	29.00 14
1976	19.00 7
1977	12.00 4
1978	17.00 5
1979	27.00 13
1980	23.00 9
1981	11.00 2
1982	25.00 12
1983	12.00 3
1984	17.00 6
1985	24.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	13.00 14
1972	16.00 11
1973	23.00 5
1974	27.00 2
1975	23.00 6
1976	17.00 9
1977	12.00 15
1978	25.00 3
1979	28.00 1
1980	17.00 10
1981	14.00 12
1982	19.00 8
1983	13.00 13
1984	20.00 7
1985	23.00 4

03353620 LICK CREEK AT INDIANAPOLIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	6.45	6.51	12.30	15.20	51.60	17.40	3.92	12.50	6.35	6.77	3.28	11.10
1972	5.72	3.77	30.60	12.00	11.90	20.70	46.40	9.73	21.10	7.64	6.68	16.70
1973	5.25	34.00	25.20	21.40	19.30	52.20	31.90	9.26	33.40	24.50	9.33	5.54
1974	6.01	23.40	34.40	43.50	27.40	39.10	28.30	47.60	40.40	9.51	9.81	9.30
1975	4.15	12.80	31.30	49.50	57.10	45.60	25.10	15.20	13.30	10.20	11.20	7.32
1976	7.95	15.20	33.20	29.10	35.90	24.80	7.06	6.90	12.20	14.90	13.90	3.32
1977	6.36	5.85	2.93	2.43	34.90	29.80	17.40	13.90	5.73	7.42	9.72	5.41
1978	17.00	8.02	40.10	7.87	4.67	64.60	29.70	34.40	48.50	22.10	16.90	4.41
1979	7.03	9.11	25.60	32.20	55.00	36.80	30.00	5.34	5.03	67.00	54.10	4.57
1980	4.42	25.60	23.60	12.80	9.39	34.00	19.90	16.20	11.50	3.52	37.80	4.44
1981	2.87	3.98	2.14	1.00	19.40	7.43	26.60	80.10	6.50	7.17	5.05	3.60
1982	2.97	1.44	16.20	44.20	53.80	49.50	15.80	9.06	16.30	19.70	1.46	1.57
1983	1.03	8.51	37.00	10.30	11.70	13.20	32.40	27.00	4.29	3.89	1.57	0.53
1984	6.41	20.20	26.60	9.55	26.30	44.10	42.80	27.10	4.21	15.30	8.75	7.85
1985	6.79	31.70	38.20	15.30	38.90	51.50	27.40	27.10	4.65	5.14	29.90	5.31

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.15	5.85	16.19	9.55	11.90	20.69
FIFTIETH PERCENTILE					
6.01	9.11	26.60	15.20	27.40	36.80
SEVENTY FIFTH PERCENTILE					
6.79	23.40	34.40	32.20	51.60	49.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
17.39	9.26	5.03	6.77	5.05	3.60
FIFTIETH PERCENTILE					
27.40	15.20	11.50	9.51	9.72	5.31
SEVENTY FIFTH PERCENTILE					
31.90	27.10	21.10	19.69	16.89	7.85

## 03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN

LOCATION.--Lat 39°45'36", long 86°30'47", in NW¼ME¼ sec.10, T.15 N., R.1 W., Hendricks County, Hydrologic Unit 05120201, on downstream side of bridge on U.S. Highway 36, 0.1 mi east of city limits of Danville, 0.5 mi upstream from small left-bank tributary, and 7 mi west of Avon.

DRAINAGE AREA.--28.8 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1958 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 828.83 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 23, 1968, nonrecording gage and crest-stage gage on upstream side of bridge at same datum. Oct. 23, 1968, to Aug. 6, 1970, water-stage recorder on upstream side of bridge at same datum.

REMARKS.--Low flow affected by releases from Danville Filtration Plant.

AVERAGE DISCHARGE.--27 years, 29.5 ft<sup>3</sup>/s, 13.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,330 ft<sup>3</sup>/s July 14, 1962, gage height, 11.32 ft; maximum gage height, 12.13 ft July 13, 1979; no flow at times during most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 16.0 ft, from floodmarks, discharge, 6,660 ft<sup>3</sup>/s, from contracted-opening measurement.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1959						4		21	14	14	7	14	7	18	25	26	19	13	28	34	29	30	22	16	11	4	5	2			1	1				
1960						35		5	9	6	3	17	7	21	7	16	23	49	53	39	19	15	7	12	6	4	9	3			1					
1961	24					32		24	19	32	14	17	28	16	16	10	12	23	14	12	13	10	9	11	8	7	4	6	1		1	2				
1962	4					3		19	3	14	15	19	15	17	18	19	23	32	34	38	34	23	10	5	6	4	3	2		2		2	1			
1963	35					37		23	7	19	31	20	31	20	18	13	13	11	16	11	10	14	14	8	2	7	2		1		1		1			
1964	111					41		13	7	7	6	16	13	18	19	7	13	9	12	19	14	11	5	6	3	6	6		1	2		1				
1965	53					37		15	16	15	14	22	16	18	17	15	15	10	10	19	24	16	9	10	7	5			1	1						
1966	56					29		40	21	18	11	14	8	12	12	27	33	27	20	11	10	5	5	2	2	1	1									
1967	69					17		15	11	10	11	15	7	4	13	7	10	20	28	35	19	18	18	16	6	7	4	2		2	1					
1968					2	2	6	9	15	13	11	24	16	7	5	10	31	35	29	26	18	12	20	13	25	16	6	5	2	3	3	2				
1969					5	17	6	4	2	7	8	9	6	3	8	19	25	32	39	53	33	25	14	18	11	5	7	5	1	1	2					
1970	3	12	2	3	3	2	6	4	5	5	9	11	7	13	8	4	6	27	18	24	40	52	39	14	15	14	9	4	1	3	2					
1971	3	2				3		3	5	11	7	12	20	36	27	41	28	33	22	26	19	19	19	8	9	2	4	3	1	2						
1972				3		1	4	1	3	3	4	30	18	15	17	13	24	20	37	37	30	21	22	18	17	10	8	4	2	2	1	1				
1973											5	5	5	11	3	6	10	21	32	45	50	51	31	24	25	18	8	6	8					1		
1974					2	1			5	9	16	14	32	14	8	15	9	9	13	29	34	40	24	29	22	10	12	10	6	2						
1975				1	1	7	15	20	15	15	13	13	10	5	23	13	16	18	23	38	32	24	27	14	8	5	6		2	1						
1976					2	7	5	8	8	10	14	12	16	25	22	34	34	26	23	20	27	23	16	16	8	3	5		2							
1977		3	2	5	5	21	10	7	11	29	17	10	9	27	22	19	17	22	26	17	17	15	17	9	7	5	5	1	1							
1978	1	1			2	1	1	6	5	7	10	2	8	5	3	7	12	18	50	50	35	21	26	22	25	15	7	4	3		1	2				
1979	3				1	3	1	2		1	7	10	9	6	14	4	15	36	39	38	33	23	31	25	21	18	10	5	3	4	1	1	1			
1980									2	2	3	9	14	18	17	21	44	38	31	35	20	29	32	21	12	8	7		2	1						
1981											3	9	13	13	16	40	51	45	34	30	27	13	21	13	11	11	3	7	3	2						
1982				4	8	5	7	5	6	3	6	2	10	18	37	16	19	17	24	24	23	29	27	23	15	10	8	11	4	4						
1983	23	1	9	12	10	11	7	11	6	7	10	11	7	7	6	8	6	9	33	41	42	26	24	11	5	6	6	4	5		1					
1984	5	1	8	5	8	8	7	4	3	6	13	7	9	20	6	14	16	39	21	17	27	33	27	17	15	7	13	4	4	1	1					
1985					1	1	3	6	4	10	19	16	17	14	14	19	35	31	30	28	26	22	10	16	14	11	7	6	2	2	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	390	9862	100.00	12	0.76	350	7815	79.24	24	58.0	403	1202	12.19
1	0.01	20	9472	96.05	13	1.1	386	7465	75.69	25	83.0	280	799	8.10
2	0.02	21	9452	95.84	14	1.6	409	7079	71.78	26	120.0	193	519	5.26
3	0.03	32	9431	95.63	15	2.3	384	6670	67.63	27	170.0	145	326	3.31
4	0.04	40	9399	95.31	16	3.2	515	6286	63.74	28	250.0	80	181	1.84
5	0.06	62	9359	94.90	17	4.6	627	5771	58.52	29	350.0	49	101	1.02
6	0.09	315	9297	94.27	18	6.7	711	5144	52.16	30	510.0	26	52	0.53
7	0.13	71	8982	91.08	19	9.6	727	4433	44.95	31	730.0	14	26	0.26
8	0.18	265	8911	90.36	20	14.0	769	3706	37.58	32	1000.0	10	12	0.12
9	0.26	227	8646	87.67	21	20.0	664	2937	29.78	33	1500.0	2	2	0.02
10	0.37	289	8419	85.37	22	28.0	637	2273	23.05	34				
11	0.53	315	8130	82.44	23	41.0	434	1636	16.59					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.05  
P90 = 0.19  
P75 = 1.2  
P70 = 1.9  
P50 = 7.6  
P25 = 25.7  
P10 = 71.4

## 03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1960	0.10 19	0.10 17	0.11 16	0.14 16	0.17 12	1.40 17	4.80 22	5.10 20	6.60 15
1961	0.00 1	0.00 1	0.00 1	0.04 6	0.08 7	0.17 8	0.23 7	0.29 4	0.81 3
1962	0.00 2	0.00 2	0.00 2	0.12 14	0.18 14	0.70 12	0.82 11	1.10 10	2.10 8
1963	0.00 3	0.00 3	0.10 14	0.13 15	0.46 16	1.10 15	1.30 13	1.60 12	2.80 9
1964	0.00 4	0.00 4	0.00 3	0.00 1	0.00 1	0.00 1	0.04 2	0.04 2	0.98 4
1965	0.00 5	0.00 5	0.00 4	0.00 2	0.00 2	0.01 2	0.03 1	0.03 1	0.28 1
1966	0.00 6	0.00 6	0.10 15	0.11 11	0.17 13	0.22 11	0.48 10	1.19 11	1.40 7
1967	0.00 7	0.00 7	0.00 5	0.00 3	0.00 3	0.03 3	0.11 3	0.19 3	1.19 5
1968	0.00 8	0.00 8	0.00 6	0.00 4	0.00 4	0.04 4	0.17 4	0.34 5	1.40 6
1969	0.08 17	0.08 16	0.09 13	0.11 12	0.12 10	0.21 10	0.85 12	2.10 13	7.80 16
1970	0.42 23	0.47 22	0.51 22	0.65 20	1.10 19	5.50 24	12.00 25	15.00 24	17.00 23
1971	0.00 9	0.00 9	0.03 9	0.06 8	0.11 9	0.20 9	0.45 9	0.69 8	3.40 11
1972	0.11 20	0.27 20	0.32 20	0.68 21	1.10 20	1.40 16	1.90 15	2.20 14	10.00 20
1973	0.03 15	0.05 15	0.17 17	0.81 22	1.60 24	2.10 21	2.70 20	8.60 21	14.00 21
1974	0.62 24	0.70 24	0.82 24	1.19 24	1.40 23	1.60 18	2.20 17	12.00 23	29.00 26
1975	0.10 18	0.11 18	0.18 18	0.26 17	0.38 15	1.60 19	2.30 18	2.60 17	9.60 19
1976	0.04 16	0.13 19	0.24 19	0.40 18	0.62 18	1.00 14	1.70 14	2.30 15	5.80 13
1977	0.01 13	0.01 13	0.04 11	0.06 9	0.06 5	0.12 5	0.21 5	0.49 6	0.78 2
1978	0.34 22	0.49 23	0.72 23	1.50 25	2.20 25	7.70 26	19.00 26	21.00 25	22.00 24
1979	0.00 10	0.00 10	0.04 12	0.06 10	0.50 17	1.80 20	10.00 23	10.00 22	15.00 22
1980	1.00 26	1.00 26	1.50 26	2.20 26	3.60 26	5.90 25	11.00 24	28.00 26	27.00 25
1981	0.31 21	0.35 21	0.51 21	0.65 19	1.30 21	3.10 23	4.20 21	4.80 19	8.80 18
1982	0.72 25	0.76 25	0.87 25	1.10 23	1.40 22	2.40 22	2.50 19	3.50 18	5.40 12
1983	0.03 14	0.03 14	0.03 10	0.04 7	0.06 6	0.13 6	0.26 8	0.76 9	6.30 14
1984	0.00 11	0.00 11	0.00 7	0.03 5	0.09 8	0.16 7	0.22 6	0.60 7	3.10 10
1985	0.00 12	0.00 12	0.03 8	0.12 13	0.15 11	0.80 13	2.10 16	2.40 16	8.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1959	1270.00 7	567.00 10	287.00 13	161.00 18	149.00 8	99.00 10	78.00 9	66.00 10	51.00 14
1960	863.00 12	398.00 16	197.00 23	112.00 25	70.00 25	55.00 25	47.00 25	42.00 24	41.00 20
1961	1330.00 5	626.00 9	334.00 8	272.00 2	177.00 1	137.00 1	113.00 1	87.00 2	58.00 9
1962	1790.00 1	859.00 1	398.00 2	194.00 10	110.00 17	86.00 15	72.00 14	57.00 15	52.00 13
1963	1500.00 2	834.00 2	402.00 1	224.00 7	159.00 6	101.00 9	71.00 15	54.00 18	37.00 23
1964	1060.00 8	648.00 7	330.00 9	187.00 12	120.00 14	108.00 5	76.00 10	59.00 13	40.00 21
1965	605.00 19	291.00 23	181.00 24	116.00 24	80.00 24	60.00 24	53.00 23	42.00 25	29.00 26
1966	202.00 27	137.00 27	75.00 27	39.00 27	26.00 27	17.00 27	17.00 27	15.00 27	12.00 27
1967	820.00 13	708.00 3	388.00 4	203.00 9	120.00 15	81.00 17	60.00 18	57.00 16	49.00 15
1968	912.00 10	509.00 15	371.00 6	213.00 8	121.00 12	98.00 11	74.00 11	72.00 8	68.00 4
1969	735.00 15	559.00 11	324.00 10	249.00 3	167.00 3	117.00 4	88.00 4	75.00 6	57.00 10
1970	586.00 21	387.00 17	223.00 20	138.00 21	103.00 22	70.00 20	63.00 17	62.00 11	53.00 11
1971	616.00 18	335.00 21	239.00 19	156.00 19	117.00 16	76.00 18	54.00 22	47.00 22	39.00 22
1972	758.00 14	525.00 14	283.00 14	168.00 15	108.00 18	68.00 22	55.00 19	48.00 21	49.00 16
1973	1360.00 4	663.00 6	352.00 7	249.00 4	148.00 9	97.00 12	81.00 8	72.00 9	76.00 2
1974	654.00 17	534.00 13	322.00 11	234.00 5	163.00 5	120.00 3	104.00 2	95.00 1	91.00 1
1975	992.00 9	536.00 12	281.00 15	162.00 17	121.00 13	96.00 13	90.00 3	85.00 3	68.00 3
1976	499.00 23	285.00 24	175.00 25	134.00 22	104.00 21	69.00 21	55.00 20	50.00 19	36.00 24
1977	350.00 26	213.00 26	129.00 26	86.00 26	64.00 26	46.00 26	40.00 26	35.00 26	33.00 25
1978	1310.00 6	694.00 4	389.00 3	276.00 1	175.00 2	102.00 8	85.00 7	75.00 7	66.00 5
1979	1380.00 3	630.00 8	313.00 12	189.00 11	165.00 4	105.00 6	73.00 12	56.00 17	63.00 7
1980	530.00 22	357.00 20	216.00 21	122.00 23	83.00 23	72.00 19	54.00 21	49.00 20	46.00 17
1981	390.00 25	247.00 25	204.00 22	174.00 13	135.00 11	89.00 14	65.00 16	58.00 14	43.00 18
1982	433.00 24	334.00 22	270.00 16	164.00 16	141.00 10	103.00 7	87.00 5	77.00 5	61.00 8
1983	589.00 20	365.00 19	267.00 17	140.00 20	107.00 19	61.00 23	49.00 24	43.00 23	43.00 19
1984	675.00 16	366.00 18	260.00 18	172.00 14	104.00 20	82.00 16	73.00 13	62.00 12	53.00 12
1985	872.00 11	685.00 5	376.00 5	234.00 6	150.00 7	121.00 2	87.00 6	80.00 4	66.00 6

03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1960	21.00	7
1961	23.00	8
1962	35.00	18
1963	25.00	11
1964	15.00	3
1965	18.00	5
1966	12.00	2
1967	21.00	6
1968	29.00	14
1969	39.00	20
1970	31.00	16
1971	27.00	12
1972	23.00	9
1973	48.00	25
1974	53.00	26
1975	45.00	24
1976	29.00	15
1977	10.00	1
1978	43.00	22
1979	32.00	17
1980	43.00	23
1981	16.00	4
1982	41.00	21
1983	24.00	10
1984	28.00	13
1985	38.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1959	29.00	13
1960	24.00	19
1961	29.00	14
1962	31.00	11
1963	19.00	24
1964	20.00	23
1965	15.00	26
1966	6.30	27
1967	26.00	17
1968	36.00	7
1969	34.00	8
1970	32.00	10
1971	23.00	20
1972	28.00	15
1973	56.00	1
1974	52.00	2
1975	37.00	6
1976	21.00	22
1977	17.00	25
1978	45.00	3
1979	42.00	4
1980	30.00	12
1981	24.00	18
1982	33.00	9
1983	22.00	21
1984	28.00	16
1985	37.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	*	*	*	*	*	*	*	23.00	40.60	28.70	31.40	5.16
1959	4.66	29.50	14.40	80.00	91.90	42.40	46.40	16.00	8.15	1.60	16.10	0.21
1960	11.20	5.80	15.30	29.40	54.80	46.90	26.40	29.60	55.30	13.30	0.47	0.37
1961	0.08	0.38	0.93	2.69	9.38	140.00	104.00	85.40	4.72	0.94	1.19	1.92
1962	0.50	5.01	9.80	83.40	44.50	82.60	13.50	22.70	2.59	96.30	1.77	7.62
1963	1.86	1.56	0.67	3.81	3.22	145.00	49.90	13.70	1.85	5.74	3.16	0.00
1964	0.01	0.12	0.04	3.60	2.82	94.10	119.00	12.20	5.71	1.23	0.03	0.06
1965	0.00	0.05	0.31	5.37	38.80	39.60	79.20	10.60	2.60	2.67	0.57	3.67
1966	0.25	0.22	2.41	12.40	22.00	12.30	13.10	10.80	2.39	1.25	0.03	0.24
1967	0.18	7.18	116.00	25.10	32.00	48.80	22.00	50.20	6.85	0.47	0.16	0.02
1968	0.77	0.65	93.50	56.20	71.20	42.40	51.80	90.20	17.90	5.89	5.71	0.32
1969	0.13	18.20	69.10	130.00	54.70	17.80	51.40	10.50	11.00	27.10	15.60	7.58
1970	31.30	75.10	17.30	38.80	41.50	42.50	81.50	48.80	13.30	1.23	0.50	0.16
1971	1.27	12.00	12.50	10.30	118.00	37.50	9.14	26.90	34.40	18.00	2.77	3.09
1972	1.55	1.87	96.70	34.90	16.30	26.90	107.00	10.50	25.80	2.71	2.67	13.90
1973	28.20	148.00	53.40	42.10	44.00	105.00	67.00	13.60	70.50	58.50	37.30	1.59
1974	1.64	41.50	85.40	131.00	53.90	68.10	56.60	97.30	75.90	6.28	3.17	3.41
1975	0.38	7.30	38.90	86.10	108.00	65.60	82.40	30.00	11.30	13.30	2.34	1.10
1976	2.79	9.88	32.00	27.50	84.50	52.30	9.60	3.87	12.90	6.75	13.30	0.23
1977	1.13	0.74	0.25	0.06	17.10	53.60	25.70	24.80	11.80	53.40	12.90	2.18
1978	66.30	16.50	120.00	18.60	8.78	145.00	45.30	54.80	17.80	10.90	27.00	6.54
1979	2.88	23.90	39.10	23.30	42.60	92.40	52.10	7.71	5.00	134.00	69.40	7.82
1980	6.44	64.10	37.20	22.50	31.00	74.10	48.30	15.80	20.00	8.75	26.80	6.33
1981	3.32	4.92	7.99	3.11	43.30	11.20	32.40	130.00	27.40	12.60	5.71	5.30
1982	2.44	2.65	18.30	72.60	97.10	85.80	42.70	32.10	28.00	11.80	1.04	0.25
1983	0.17	3.74	103.00	14.90	26.30	20.00	51.90	38.40	8.49	1.90	0.21	0.11
1984	1.37	16.70	57.90	6.18	59.30	95.20	62.30	29.40	6.80	5.57	0.34	1.38
1985	4.61	57.40	54.40	31.80	108.00	95.60	51.80	19.40	11.60	1.94	16.60	1.59



## 03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.25	1.56	7.99	6.18	22.00	39.60
FIFTIETH PERCENTILE					
1.55	7.18	32.00	25.10	43.30	53.60
SEVENTY FIFTH PERCENTILE					
4.61	23.90	69.10	56.20	71.20	94.10
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
26.40	12.60	5.98	1.91	0.52	0.23
FIFTIETH PERCENTILE					
51.40	23.90	11.70	6.51	2.96	1.59
SEVENTY FIFTH PERCENTILE					
67.00	46.20	27.00	16.80	16.00	5.26

## 0353800 WHITE LICK CREEK AT MOORESVILLE, IN

LOCATION.--Lat 39°36'28", long 86°22'56", in NE¼SE¼ sec.35, T.14 N., R.1 E., Morgan County, Hydrologic Unit 05120201, on right bank at downstream side of bridge on State Highway 42 at Mooresville, 0.9 mi downstream from McCracken Creek, 2.0 mi upstream from East Fork White Lick Creek, and at mile 11.4.

DRAINAGE AREA.--212 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1957 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 644.64 ft above National Geodetic Vertical Datum of 1929. Dec. 10, 1963 to Sept. 30, 1964, nonrecording gage at bridge 1,950 ft upstream at datum 1.39 ft higher.

AVERAGE DISCHARGE.--28 years, 220 ft<sup>3</sup>/s, 14.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,000 ft<sup>3</sup>/s July 13, 1979, gage height, 23.31 ft; minimum daily, 2.0 ft<sup>3</sup>/s Dec. 24, 25, 1960, Sept. 2, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 22.5 ft, from levels to high-water mark by State of Indiana, Department of Natural Resources.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1958									13	2	3	9	13	32	38	39	50	51	29	24	16	9	12	7	4	4	2		6		1	1				
1959							3	1	15	22	14	25	25	29	20	26	15	39	30	29	16	20	12	10	4	3	3	1			1	1	1			
1960							2	10	22	12	13	15	12	22	28	40	44	45	23	28	12	9	8	8	4	4	1	1	1	1				1		
1961	3	2	2	2	2	28	34	43	25	23	26	18	9	18	15	11	19	11	13	13	13	7	9	2	4	5	2	1	1	1	1		1	2		
1962							5	17	2	22	30	24	26	29	29	32	39	26	23	15	13	7	8	4	2	4	1	1	2			1	3			
1963							12	9	13	14	28	51	52	39	27	25	16	13	6	12	12	6	10	9	2	1	4	1			1		1	1		
1964	1	3	15	49	55	26	18	6	24	38	19	12	9	11	7	12	8	12	11	3	4	4	5	1	5	3			1	2			1	1		
1965							4	8	31	26	31	41	19	12	10	30	26	15	14	7	26	19	13	4	4	4	5	2		1	1					
1966	2	12	19	7	13	11	20	82	22	18	27	11	30	24	27	11	12	4	2	4	3	1	1			1	1									
1967							11	15	13	20	17	25	25	15	17	12	10	12	16	28	26	20	16	14	14	10	15		6	1	3	1	1	2		
1968							8	14	15	10	15	25	8	35	30	19	16	17	15	19	15	15	17	11	12	10	5		7	3		1	2	3		
1969							4	24	5	3	4	16	19	30	37	29	47	38	22	17	17	11	10	7	6	4	6	2	2		2	2	2	1		
1970							9	20	17	7	13	23	14	17	20	15	21	36	36	34	19	18	11	12	6	9	4		1	1	1	1	1			
1971							4	4		16	16	33	32	31	37	32	37	28	22	13	17	13	10	4	2	2	2	5		1	2	2				
1972									12	39	46	20	21	15	19	17	31	39	23	26	14	13	8	4	6	3	3	2	2	1	1	1				
1973									8	13	12	11	10	29	32	50	30	34	39	21	19	17	6	13	8	5	2	4			1	1				
1974									6	29	28	29	18	12	15	30	32	27	30	22	14	21	14	11	14	5	3	4	1							
1975							2	13	10	15	33	26	11	10	21	28	15	19	33	39	24	18	15	15	7	2	2	3	3				1			
1976							3	25	15	38	39	20	26	28	20	26	23	21	22	18	7	9	8	4	4	3	3	3	1							
1977							9	52	50	12	26	30	19	15	24	21	24	20	21	11	8	8	3	2	3	2	2	1	1							
1978													10	18	75	45	39	32	24	22	26	19	7	14	5	5	10	5	2	4	1	1		1		
1979												6	29	67	43	41	43	18	20	22	18	11	13	10	9		2	3	4	3	2	1				
1980								3	5	13	26	36	26	40	39	39	22	26	29	13	20	8	11	4	2	3			1							
1981									3	44	51	28	32	44	28	28	24	10	19	13	8	5	10	5	4	3	3	2			1					
1982									16	24	35	26	28	14	11	26	20	27	22	25	24	18	15	9	6	4	8	4	3							
1983							6	14	13	26	35	13	15	9	10	7	13	25	27	51	30	17	19	11	6	7	2	4	1	3		1				
1984							2	2	5	4	13	37	19	15	16	20	23	25	19	12	27	19	29	26	16	9	10	10	3	2	1	1		1		
1985									4	19	37	21	15	17	33	21	30	37	26	24	19	11	9	13	10	7	5	3		1			3			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10227	100.00	12	34.0	568	7345	71.82	24	730.0	155	586	5.73
1	2.0	5	10227	100.00	13	43.0	621	6777	66.27	25	940.0	126	431	4.21
2	2.6	15	10222	99.95	14	56.0	728	6156	60.19	26	1200.0	113	305	2.98
3	3.3	49	10207	99.80	15	73.0	707	5428	53.08	27	1600.0	59	192	1.88
4	4.3	69	10158	99.33	16	94.0	724	4721	46.16	28	2000.0	40	133	1.30
5	5.6	146	10089	98.65	17	120.0	854	3997	39.08	29	2600.0	35	93	0.91
6	7.2	210	9943	97.22	18	160.0	579	3143	30.73	30	3400.0	24	58	0.57
7	9.3	308	9733	95.17	19	200.0	590	2564	25.07	31	4400.0	17	34	0.33
8	12.0	544	9425	92.16	20	260.0	509	1974	19.30	32	5700.0	11	17	0.17
9	16.0	340	8881	86.84	21	340.0	353	1465	14.32	33	7300.0	5	6	0.06
10	20.0	547	8541	83.51	22	440.0	265	1112	10.87	34	9500.0	1	1	0.01
11	26.0	649	7994	78.17	23	560.0	261	847	8.28					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.4  
P90 = 13.6  
P75 = 30.0  
P70 = 36.9  
P50 = 82.4  
P25 = 201.0  
P10 = 480.0

## 03353800 WHITE LICK CREEK AT MOORESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1959	18.00 20	19.00 20	23.00 22	26.00 22	39.00 24	48.00 23	56.00 22	101.00 24	149.00 23
1960	7.60 9	7.80 9	11.00 13	12.00 14	14.00 14	26.00 17	40.00 20	46.00 18	66.00 17
1961	2.00 1	2.10 1	2.70 2	4.60 4	9.50 8	12.00 7	13.00 7	14.00 6	17.00 3
1962	9.20 14	9.20 13	9.40 11	9.80 11	13.00 13	22.00 14	23.00 13	31.00 14	44.00 10
1963	20.00 22	20.00 21	22.00 20	25.00 20	26.00 19	42.00 22	48.00 21	53.00 19	72.00 19
1964	5.20 6	5.20 6	5.30 6	5.70 6	6.40 5	7.40 4	8.60 3	8.60 2	21.00 7
1965	3.20 3	3.40 3	4.00 3	4.50 3	5.80 3	6.10 2	6.60 1	7.60 1	11.00 1
1966	6.80 8	6.90 8	8.00 8	8.00 7	9.20 6	13.00 10	14.00 8	14.00 7	18.00 4
1967	2.00 2	2.30 2	2.60 1	3.40 1	3.80 1	4.90 1	7.70 2	8.80 3	16.00 2
1968	3.70 4	3.70 4	4.00 4	4.20 2	4.70 2	6.80 3	9.20 4	9.50 4	18.00 5
1969	8.80 13	9.10 12	9.30 10	9.70 10	11.00 10	12.00 8	16.00 10	22.00 11	54.00 11
1970	24.00 24	26.00 24	28.00 24	32.00 24	47.00 26	59.00 25	110.00 26	177.00 26	169.00 25
1971	6.10 7	6.40 7	7.10 7	9.10 8	9.60 9	12.00 9	15.00 9	21.00 9	31.00 8
1972	12.00 16	12.00 16	13.00 15	15.00 15	20.00 16	21.00 13	22.00 12	25.00 12	60.00 13
1973	16.00 18	17.00 18	18.00 18	20.00 18	23.00 17	23.00 15	31.00 16	64.00 20	99.00 20
1974	23.00 23	23.00 23	24.00 23	26.00 23	32.00 22	34.00 20	36.00 19	65.00 21	176.00 26
1975	29.00 25	30.00 25	31.00 25	33.00 25	35.00 23	57.00 24	80.00 24	76.00 22	130.00 22
1976	9.80 15	11.00 15	13.00 16	15.00 16	18.00 15	23.00 16	27.00 14	34.00 16	60.00 14
1977	8.60 12	8.60 11	8.80 9	9.10 9	9.50 7	11.00 6	12.00 6	13.00 5	20.00 6
1978	19.00 21	20.00 22	23.00 21	25.00 21	28.00 21	42.00 21	69.00 23	81.00 23	108.00 21
1979	34.00 26	34.00 26	37.00 26	46.00 27	64.00 27	79.00 27	109.00 25	141.00 25	166.00 24
1980	37.00 27	38.00 27	40.00 27	44.00 26	45.00 25	61.00 26	112.00 27	195.00 27	210.00 27
1981	18.00 19	18.00 19	20.00 19	20.00 19	24.00 18	30.00 18	34.00 18	33.00 15	58.00 12
1982	13.00 17	14.00 17	17.00 17	19.00 17	27.00 20	33.00 19	32.00 17	39.00 17	70.00 18
1983	7.80 10	8.50 10	10.00 12	12.00 12	13.00 11	15.00 11	17.00 11	22.00 10	64.00 15
1984	3.90 5	4.20 5	4.90 5	5.40 5	6.30 4	9.00 5	10.00 5	15.00 8	41.00 9
1985	8.30 11	10.00 14	12.00 14	12.00 13	13.00 12	21.00 12	27.00 15	31.00 13	66.00 16

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1958	5400.00 13	3770.00 10	2060.00 11	1370.00 9	817.00 16	567.00 17	429.00 19	344.00 23	277.00 24
1959	6740.00 10	3170.00 15	1800.00 15	1070.00 18	945.00 9	709.00 10	562.00 10	482.00 11	370.00 13
1960	7290.00 5	3280.00 14	1610.00 19	847.00 23	513.00 26	359.00 26	311.00 26	296.00 25	282.00 22
1961	9490.00 2	4830.00 4	2530.00 5	2060.00 3	1370.00 1	969.00 2	779.00 1	631.00 2	432.00 7
1962	7080.00 6	4570.00 5	2190.00 10	1100.00 16	808.00 17	638.00 14	537.00 13	440.00 13	392.00 10
1963	8550.00 3	5620.00 2	2770.00 3	1690.00 5	1260.00 7	770.00 7	543.00 12	425.00 16	299.00 21
1964	10500.00 1	7690.00 1	4030.00 1	2160.00 1	1340.00 2	995.00 1	697.00 2	538.00 6	367.00 14
1965	3270.00 23	1670.00 26	1170.00 25	779.00 24	613.00 23	450.00 24	406.00 21	327.00 24	230.00 26
1966	1230.00 28	977.00 28	563.00 28	298.00 28	202.00 28	137.00 28	128.00 28	111.00 28	90.00 28
1967	3910.00 19	3540.00 11	2250.00 9	1240.00 14	714.00 20	481.00 21	380.00 23	382.00 19	351.00 15
1968	5540.00 12	3940.00 9	2320.00 8	1340.00 12	822.00 15	556.00 18	483.00 14	458.00 12	406.00 9
1969	6650.00 11	4470.00 6	2580.00 4	1650.00 6	1180.00 5	789.00 6	576.00 9	518.00 8	385.00 11
1970	4670.00 15	2440.00 19	1580.00 21	1060.00 19	707.00 21	480.00 22	451.00 18	429.00 14	377.00 12
1971	4340.00 18	2730.00 18	2000.00 12	1270.00 13	921.00 11	572.00 16	411.00 20	349.00 21	273.00 25
1972	4530.00 16	3140.00 16	1610.00 20	1010.00 21	732.00 19	496.00 20	382.00 22	346.00 22	336.00 16
1973	6800.00 9	3520.00 12	1850.00 13	1480.00 7	920.00 12	642.00 13	551.00 11	488.00 10	527.00 3
1974	4370.00 17	3110.00 17	1750.00 16	1350.00 10	941.00 10	729.00 9	653.00 5	623.00 3	609.00 1
1975	6830.00 8	3390.00 13	1850.00 14	1150.00 15	908.00 14	734.00 8	684.00 3	655.00 1	531.00 2
1976	2790.00 25	1860.00 24	1170.00 26	1020.00 20	793.00 18	574.00 15	460.00 16	425.00 15	308.00 20
1977	2640.00 26	1350.00 27	937.00 27	601.00 27	434.00 27	361.00 25	312.00 25	251.00 27	205.00 27
1978	8090.00 4	4980.00 3	2930.00 2	2160.00 2	1330.00 3	796.00 5	655.00 4	556.00 4	476.00 5
1979	6960.00 7	4020.00 8	2400.00 6	1810.00 4	1100.00 6	836.00 3	598.00 7	510.00 9	519.00 4
1980	3650.00 21	1930.00 22	1210.00 24	733.00 26	556.00 24	473.00 23	359.00 24	353.00 20	330.00 18
1981	3730.00 20	2390.00 20	1650.00 17	1350.00 11	1030.00 7	652.00 12	474.00 15	406.00 17	314.00 19
1982	2560.00 27	1840.00 25	1630.00 18	1070.00 17	911.00 13	702.00 11	584.00 8	521.00 7	412.00 8
1983	3010.00 24	1920.00 23	1370.00 23	768.00 25	540.00 25	350.00 27	289.00 27	286.00 26	280.00 23
1984	3640.00 22	2020.00 21	1450.00 22	983.00 22	657.00 22	544.00 19	453.00 17	394.00 18	333.00 17
1985	5050.00 14	4210.00 7	2360.00 7	1480.00 8	998.00 8	825.00 4	620.00 6	547.00 5	443.00 6

03353800 WHITE LICK CREEK AT MOORESVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1959	256.00	17
1960	168.00	9
1961	153.00	7
1962	299.00	22
1963	224.00	14
1964	113.00	3
1965	181.00	11
1966	100.00	2
1967	151.00	5
1968	169.00	10
1969	276.00	20
1970	249.00	16
1971	200.00	13
1972	151.00	6
1973	331.00	25
1974	342.00	26
1975	373.00	27
1976	239.00	15
1977	92.00	1
1978	262.00	19
1979	294.00	21
1980	316.00	24
1981	115.00	4
1982	300.00	23
1983	162.00	8
1984	186.00	12
1985	258.00	18

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1958	226.00	13
1959	215.00	15
1960	186.00	20
1961	227.00	12
1962	248.00	8
1963	174.00	23
1964	188.00	19
1965	122.00	26
1966	51.00	28
1967	189.00	18
1968	230.00	11
1969	257.00	7
1970	237.00	9
1971	162.00	24
1972	200.00	16
1973	366.00	2
1974	372.00	1
1975	303.00	5
1976	184.00	21
1977	113.00	27
1978	334.00	4
1979	339.00	3
1980	221.00	14
1981	178.00	22
1982	230.00	10
1983	157.00	25
1984	189.00	17
1985	261.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	*	*	*	*	*	*	*	*	*	*	*	29.10
1958	72.80	279.00	778.00	179.00	82.00	117.00	107.00	186.00	309.00	249.00	283.00	53.40
1959	52.50	188.00	114.00	446.00	714.00	400.00	329.00	163.00	84.90	51.90	65.50	16.40
1960	88.00	104.00	203.00	267.00	428.00	226.00	143.00	162.00	476.00	110.00	23.30	15.10
1961	10.10	16.20	14.30	28.30	59.50	774.00	771.00	743.00	176.00	36.40	46.70	29.20
1962	15.50	77.30	111.00	624.00	303.00	647.00	119.00	259.00	47.80	565.00	38.60	157.00
1963	96.60	58.50	30.00	56.00	70.10	1154.0	329.00	107.00	43.90	54.30	63.20	10.40
1964	6.40	10.60	8.83	58.30	35.70	619.00	1328.0	124.00	41.00	24.30	8.66	6.37
1965	5.97	9.92	13.00	55.30	287.00	297.00	603.00	119.00	42.50	29.30	10.10	19.30
1966	12.50	14.30	23.70	75.50	174.00	98.20	91.60	81.50	25.30	11.70	5.10	10.20
1967	11.70	77.30	665.00	180.00	240.00	408.00	185.00	405.00	54.60	17.90	10.30	4.79
1968	13.30	9.86	432.00	343.00	342.00	212.00	388.00	695.00	220.00	42.60	43.00	13.60
1969	11.10	80.50	394.00	845.00	464.00	119.00	390.00	83.10	97.60	436.00	111.00	60.60
1970	219.00	535.00	165.00	256.00	315.00	331.00	584.00	297.00	91.90	34.40	21.60	10.40
1971	18.90	55.00	78.20	92.70	942.00	241.00	83.10	172.00	156.00	108.00	33.10	27.30
1972	20.30	23.00	555.00	231.00	124.00	267.00	724.00	108.00	227.00	37.60	23.90	66.40
1973	138.00	920.00	379.00	348.00	267.00	744.00	514.00	116.00	383.00	430.00	123.00	33.30
1974	36.60	266.00	559.00	777.00	365.00	500.00	458.00	656.00	550.00	83.70	95.60	108.00
1975	35.10	127.00	346.00	647.00	838.00	563.00	587.00	232.00	101.00	117.00	55.60	21.80
1976	25.40	89.60	289.00	290.00	658.00	424.00	102.00	46.30	98.50	80.40	105.00	14.50
1977	16.00	14.60	13.70	9.60	217.00	391.00	196.00	180.00	60.20	176.00	54.80	27.90
1978	256.00	102.00	743.00	125.00	60.00	1125.0	353.00	418.00	202.00	157.00	289.00	128.00
1979	80.50	141.00	244.00	245.00	428.00	847.00	492.00	93.80	90.60	764.00	567.00	70.40
1980	56.20	402.00	328.00	207.00	220.00	487.00	341.00	109.00	133.00	65.50	246.00	64.70
1981	31.70	32.00	44.90	24.60	192.00	104.00	193.00	997.00	195.00	152.00	106.00	52.60
1982	35.60	29.70	117.00	468.00	654.00	611.00	306.00	192.00	225.00	107.00	29.40	18.00
1983	13.10	35.90	516.00	142.00	196.00	163.00	356.00	305.00	87.90	47.70	13.10	7.41
1984	21.80	124.00	344.00	59.30	283.00	578.00	466.00	234.00	64.90	44.90	18.10	28.50
1985	34.20	292.00	352.00	230.00	693.00	672.00	428.00	201.00	125.00	31.40	82.30	26.70

## 03353800 WHITE LICK CREEK AT MOORESVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
13.20	24.69	53.20	63.30	179.00	230.00
FIFTIETH PERCENTILE					
28.50	78.90	267.00	219.00	285.00	416.00
SEVENTY FIFTH PERCENTILE					
68.60	176.00	423.00	347.00	455.00	640.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
187.00	111.00	61.40	36.70	22.00	14.10
FIFTIETH PERCENTILE					
355.00	183.00	99.70	72.90	50.70	27.30
SEVENTY FIFTH PERCENTILE					
509.00	303.00	216.00	156.00	106.00	57.00

## 03354000 WHITE RIVER NEAR CENTERTON, IN

LOCATION.--Lat 39°29'51", long 86°24'02", in NE¼NE¼ sec.10, T.12 N., R.1 E., Morgan County, Hydrologic Unit 05120201, on right bank at upstream side of bridge on Blue Bluff Road, 0.8 mi downstream from White Lick Creek, 1 mi south of Centerton, and at mile 199.3.

DRAINAGE AREA.--2,444 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1925 to September 1930 (gage heights only), October 1930 to March 1932, October 1946 to September 1985. Monthly discharge only for October and November 1946, published in MSP 1305. Published as West Fork White River at Martinsville prior to March 1932, and as West Fork White River near Centerton October 1946 to September 1948.

GAGE.--Water-stage recorder. Datum of gage is 595.44 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark), levels by Indianapolis Power and Light Co. See MSP 1725 for history of changes prior to July 1953. July 1953 to Aug. 7, 1975, water-stage recorder at site 0.4 mi downstream at same datum.

REMARKS.--Flow regulated by upstream reservoirs.

AVERAGE DISCHARGE.--40 years (1930-31, 1946 to 1985), 2,421 ft<sup>3</sup>/s, 13.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,500 ft<sup>3</sup>/s Apr. 22, 1964, gage height, 17.57 ft, at site 0.4 mi downstream; minimum daily, 131 ft<sup>3</sup>/s Nov. 15, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 22.8 ft at Martinsville site (from information by Indiana State Highway Commission) and 21.9 ft at site 0.4 mi downstream (from information by U.S. Army Corps of Engineers), discharge, 90,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1931	5	7	9	40	65	36	43	31	23	17	18	17	14	10	13	11	4	1			1															
1948				12	30	11	44	33	19	38	24	17	15	13	14	15	10	14	10	8	4	5	5	3	4	4	4	5	4	1						
1949				16	12	21	19	23	13	19	20	23	19	22	37	30	17	12	7	9	4	6	10	4	4	9	5	2	2							
1950				5	12	35	22	24	20	12	13	22	19	19	20	16	16	22	22	7	9	7	3	8	6	3	8	4	7	2	2					
1951					15	27	5	26	14	17	20	15	25	28	21	20	23	18	18	23	7	9	14	9	3	3	2	3								
1952					5	20	34	12	15	9	11	15	14	21	27	27	21	20	14	15	24	17	13	10	9	3	5	5								
1953					2	23	60	9	6	7	13	18	28	31	37	38	25	14	17	6	5	5	5	5	2	2	6	1								
1954	3	7	10	11	94	45	29	13	19	19	16	21	18	16	11	6	7	6	7			4	2	1												
1955	3	2	1	3	25	41	28	14	17	21	26	24	24	19	13	19	12	25	10	15	8	5	7	1	2											
1956					1	6	10	5	16	34	34	26	22	22	24	24	27	24	23	15	16	10	3	5	3	5	5	1	3		2					
1957					31	21	12	16	12	19	15	17	22	21	23	25	20	13	10	9	17	15	7	10	7	4	2	5	6	2	2	2				
1958						9	7	2	9	31	31	36	51	47	30	15	12	14	18	13	9	3	7	1	4	4	3	1	4	3	1	4	3	1		
1959					10	11	18	10	13	17	50	28	26	8	12	15	34	22	14	22	19	4	11	4	2	3	4	1	3	2	2					
1960					2	11	20	22	12	26	17	27	25	52	26	38	26	15	9	6	7	5	3	6	5	1	3	2								
1961					8	51	57	29	11	19	15	26	18	20	13	11	12	6	5	7	10	3	9	5	7	8	3	5	3	1	2			1		
1962						3	27	28	36	23	33	41	33	34	26	11	17	8	6	10	7	4	2	4	3	2	3	2	1	1						
1963					3	13	33	73	59	39	13	27	14	9	15	9	5	7	5	7	6	3	6	4	4	3	2	1	1		1	2	1			
1964					8	68	59	46	18	17	7	23	12	7	6	8	17	13	11	4	4	6	4	2	5	6	1	3	1	1	2	3	1	1	2	
1965					3	41	32	42	36	13	20	19	21	17	16	11	19	11	17	4	9	3	2	8	9	6	2	3	1							
1966					22	42	60	52	38	19	30	25	15	17	16	7	4	5	5	4	1	2	1													
1967					9	50	50	24	10	11	10	19	15	14	28	19	14	16	7	9	14	7	16	11	6		1			1	2	2				
1968					3	14	27	18	21	19	33	42	26	19	9	26	16	11	23	8	12	10	3	2	3	4	7	4	2	2	2					
1969						18	16	21	13	12	32	32	25	36	44	21	15	13	14	12	8	6	5	5	10	1	2			1	1	2				
1970					2	7	3	26	12	21	27	26	37	18	20	39	26	23	15	13	15	6	11	4	4	6	4									
1971					3	22	19	28	51	44	39	33	21	23	17	9	10	8	13	7	3	1	2	5	1	2	2	1	1							
1972					8	47	23	24	8	19	21	24	22	41	27	19	17	11	12	7	5	11	6	3	7	1	1			2						
1973							1	18	15	21	19	29	22	34	23	21	21	32	21	22	13	18	8	16	7	4										
1974							7	38	31	23	11	19	21	20	24	32	15	25	23	14	11	12	10	7	13	3	4	2								
1975					2	6	30	41	28	24	13	13	23	19	21	25	20	26	25	7	13	6	3	7	6	3	1	2	1							
1976					4	28	27	35	29	36	25	16	20	23	24	19	16	13	12	10	5	4	5	4	3	5	2	1								
1977					10	16	36	53	49	38	36	20	22	13	9	13	13	10	1	6	4	5	5	4	1											
1978							19	22	32	40	35	26	31	22	17	18	16	20	13	7	9	7	6	5	3	9	4	4								
1979							21	15	22	30	37	35	32	30	21	22	17	14	14	6	8	9	2	7	7	4	6	4	2							
1980							3	19	20	30	30	39	32	38	26	24	15	17	18	13	10	12	7	9	2	1	1									
1981					11	13	35	49	36	32	23	18	14	23	18	13	17	13	14	12	8	3	4	1	2	3	2		1							
1982					8	15	12	38	31	19	22	10	21	27	28	19	12	8	18	18	14	8	4	6	4	10	8	5								
1983					7	30	48	15	20	7	14	25	22	32	35	31	13	15	8	11	10	4	5	3	2	3	5									
1984					10	26	17	23	18	22	33	25	19	14	20	25	22	20	16	13	10	7	3	7	6	5	5									
1985					6	9	9	28	24	20	30	24	16	34	26	24	22	19	16	10	7	6	10	4	6	6	2	2	2	3						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14245	100.00	12	900.0	971	8761	61.50	24	7300.0	230	972	6.82
1	131.0	11	14245	100.00	13	1100.0	844	7790	54.69	25	8700.0	169	742	5.21
2	160.0	16	14234	99.92	14	1300.0	829	6946	48.76	26	10000.0	159	573	4.02
3	190.0	20	14218	99.81	15	1500.0	903	6117	42.94	27	12000.0	152	414	2.91
4	220.0	75	14198	99.67	16	1800.0	925	5214	36.60	28	15000.0	95	262	1.84
5	260.0	442	14123	99.14	17	2200.0	707	4289	30.11	29	18000.0	68	167	1.17
6	310.0	660	13681	96.04	18	2600.0	623	3582	25.15	30	21000.0	43	99	0.69
7	370.0	927	13021	91.41	19	3100.0	475	2959	20.77	31	25000.0	36	56	0.39
8	450.0	775	12094	84.90	20	3600.0	491	2484	17.44	32	30000.0	12	20	0.14
9	530.0	838	11319	79.46	21	4300.0	475	1993	13.99	33	35000.0	6	8	0.06
10	630.0	838	10481	73.58	22	5200.0	278	1518	10.66	34	42000.0	2	2	0.01
11	750.0	882	9643	67.69	23	6100.0	268	1240	8.70					

P95 =	323.0
P90 =	387.0
P75 =	606.0
P70 =	703.0
P50 =	1260.0
P25 =	2620.0
P10 =	5500.0

YEAR	1	3	7	14	30	60	90	120	183
1932	148.00 2	160.00 2	177.00 2	236.00 2	270.00 2	424.00 14	476.00 14	539.00 14	587.00 10
1948	308.00 18	323.00 21	337.00 21	352.00 17	435.00 23	497.00 20	521.00 17	540.00 15	757.00 18
1949	277.00 13	283.00 11	284.00 10	287.00 9	302.00 8	331.00 7	385.00 8	533.00 12	878.00 23
1950	344.00 26	357.00 26	369.00 24	384.00 22	433.00 22	578.00 26	584.00 21	591.00 20	706.00 13
1951	478.00 34	482.00 33	509.00 31	511.00 31	633.00 31	803.00 31	1050.00 35	1020.00 32	1490.00 33
1952	298.00 14	304.00 14	310.00 14	317.00 12	334.00 11	366.00 9	403.00 11	534.00 13	918.00 24
1953	380.00 27	382.00 27	394.00 27	403.00 24	408.00 19	445.00 17	581.00 20	577.00 19	756.00 17
1954	265.00 9	267.00 9	271.00 5	272.00 5	287.00 5	294.00 3	316.00 3	319.00 2	417.00 3
1955	138.00 1	146.00 1	157.00 1	166.00 1	193.00 1	258.00 1	275.00 1	341.00 3	365.00 2
1956	258.00 6	264.00 7	271.00 6	274.00 6	310.00 9	452.00 18	790.00 31	926.00 29	1130.00 28
1957	260.00 7	263.00 6	276.00 8	282.00 8	297.00 7	314.00 5	355.00 5	443.00 9	596.00 11
1958	471.00 33	483.00 34	512.00 32	540.00 32	722.00 34	878.00 36	1040.00 34	1270.00 34	2740.00 39
1959	690.00 39	710.00 39	729.00 39	774.00 38	811.00 39	933.00 37	1070.00 36	1480.00 37	2010.00 37
1960	265.00 10	269.00 10	278.00 9	299.00 10	339.00 13	403.00 12	511.00 16	594.00 21	746.00 14
1961	274.00 11	287.00 13	303.00 13	317.00 13	346.00 14	368.00 10	385.00 9	394.00 6	436.00 4
1962	320.00 22	320.00 19	329.00 18	378.00 21	477.00 26	602.00 27	615.00 24	724.00 26	870.00 22
1963	398.00 28	406.00 28	432.00 30	452.00 29	493.00 27	572.00 25	603.00 23	626.00 22	697.00 12
1964	246.00 5	257.00 4	267.00 4	269.00 4	280.00 4	290.00 2	310.00 2	311.00 1	360.00 1
1965	243.00 4	262.00 5	275.00 7	281.00 7	288.00 6	308.00 4	325.00 4	349.00 4	465.00 7
1966	305.00 17	317.00 17	323.00 16	354.00 19	397.00 17	440.00 16	493.00 15	541.00 16	546.00 9
1967	274.00 12	284.00 12	294.00 12	302.00 11	314.00 10	335.00 8	374.00 7	379.00 5	464.00 6
1968	301.00 16	306.00 15	313.00 15	322.00 14	337.00 12	370.00 11	395.00 10	415.00 8	500.00 8
1969	411.00 30	416.00 30	422.00 28	428.00 27	456.00 24	497.00 21	595.00 22	837.00 28	1030.00 27
1970	461.00 32	477.00 32	553.00 34	612.00 35	734.00 35	1170.00 39	1590.00 39	1890.00 38	1950.00 35
1971	300.00 15	307.00 16	326.00 17	374.00 20	432.00 21	529.00 23	626.00 26	682.00 25	750.00 15
1972	325.00 23	351.00 25	381.00 25	399.00 23	422.00 20	461.00 19	524.00 18	525.00 11	755.00 16
1973	318.00 21	320.00 18	356.00 23	408.00 25	496.00 29	607.00 28	781.00 30	1050.00 33	1400.00 31
1974	628.00 37	634.00 37	655.00 37	695.00 37	751.00 37	809.00 32	861.00 32	1300.00 35	1960.00 36
1975	530.00 35	540.00 35	588.00 36	643.00 36	655.00 32	829.00 35	928.00 33	967.00 30	1440.00 32
1976	404.00 29	411.00 29							

## 03354000 WHITE RIVER NEAR CENTERTON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1931	3610.00 39	2990.00 39	2440.00 39	2200.00 39	1800.00 39	1480.00 39	1200.00 39	1080.00 39	872.00 39
1948	27400.00 12	24200.00 13	20100.00 11	14800.00 7	14000.00 2	8710.00 6	6790.00 7	5670.00 10	4360.00 14
1949	24300.00 18	23000.00 16	17500.00 17	14700.00 8	12000.00 5	8850.00 5	6960.00 6	6100.00 7	4610.00 11
1950	35000.00 4	33300.00 3	25500.00 3	23700.00 1	18400.00 1	14200.00 1	11400.00 1	9680.00 1	7090.00 1
1951	18500.00 26	18500.00 23	14500.00 24	11100.00 19	7510.00 23	5790.00 22	5350.00 19	5040.00 16	4600.00 12
1952	17300.00 28	16600.00 27	11900.00 29	11000.00 21	7790.00 22	6690.00 18	6170.00 12	5750.00 9	4740.00 9
1953	15300.00 31	14800.00 30	11400.00 30	7680.00 32	6000.00 31	4280.00 33	4200.00 30	3610.00 31	3140.00 28
1954	8300.00 37	7330.00 37	5250.00 37	4330.00 37	3390.00 36	2360.00 37	1970.00 37	1700.00 37	1320.00 37
1955	9650.00 36	9200.00 35	6820.00 35	4690.00 35	4240.00 35	3550.00 35	3080.00 35	2940.00 35	2390.00 35
1956	29100.00 10	26200.00 10	17800.00 14	10500.00 24	6480.00 29	4830.00 30	3960.00 31	4410.00 21	3620.00 23
1957	33500.00 6	30100.00 6	23100.00 4	14400.00 10	10300.00 12	8210.00 8	8170.00 2	7260.00 2	5590.00 3
1958	35000.00 5	33400.00 2	29200.00 2	18200.00 4	10600.00 11	8200.00 9	6130.00 13	5290.00 14	4190.00 16
1959	26000.00 14	24300.00 12	17800.00 15	10800.00 22	10200.00 13	7360.00 13	5970.00 14	5580.00 13	4340.00 15
1960	17400.00 27	13200.00 33	10800.00 32	7440.00 33	5430.00 34	3920.00 34	3570.00 33	3270.00 33	2820.00 33
1961	38000.00 2	28400.00 7	21300.00 8	14300.00 12	11700.00 7	8940.00 4	7560.00 4	6230.00 5	4480.00 13
1962	25600.00 15	22500.00 18	14400.00 25	8480.00 28	6860.00 28	5810.00 21	4930.00 22	4110.00 26	3300.00 26
1963	37300.00 3	33200.00 4	23000.00 5	15000.00 6	11400.00 8	7430.00 12	5460.00 17	4330.00 24	3100.00 29
1964	47100.00 1	42900.00 1	31600.00 1	18900.00 2	11900.00 6	9770.00 2	7160.00 5	5620.00 11	4040.00 20
1965	15000.00 32	14000.00 31	10200.00 34	8150.00 30	6220.00 30	5250.00 27	4840.00 23	4000.00 28	2940.00 32
1966	6680.00 38	6170.00 38	4570.00 38	2950.00 38	2120.00 38	1560.00 38	1570.00 38	1460.00 38	1280.00 38
1967	29400.00 9	27400.00 9	21100.00 9	12300.00 15	7260.00 25	5000.00 29	4220.00 29	4380.00 23	4070.00 19
1968	28500.00 11	24500.00 11	19400.00 13	11900.00 17	7000.00 26	5370.00 25	4400.00 25	4290.00 25	4120.00 18
1969	33100.00 7	30600.00 5	22100.00 7	14400.00 11	10700.00 10	7030.00 15	5250.00 20	4950.00 17	3870.00 22
1970	14400.00 34	13100.00 34	11000.00 31	8140.00 31	5490.00 33	4430.00 31	4390.00 26	4050.00 27	3550.00 24
1971	22300.00 20	18900.00 21	14900.00 21	10500.00 25	7410.00 24	5220.00 28	3840.00 32	3420.00 32	2710.00 34
1972	22800.00 19	20500.00 19	14600.00 23	10600.00 23	7940.00 21	5290.00 26	4290.00 28	3770.00 30	3510.00 25
1973	15900.00 30	15500.00 29	12100.00 28	9960.00 27	9000.00 16	6900.00 16	5570.00 16	5160.00 15	5420.00 4
1974	22000.00 21	20300.00 20	17100.00 18	13900.00 13	9090.00 15	7590.00 11	6740.00 8	6540.00 4	5790.00 2
1975	25200.00 16	23500.00 14	17700.00 16	11100.00 20	8230.00 19	6890.00 17	6410.00 11	6110.00 6	5090.00 6
1976	19900.00 24	18500.00 22	13900.00 26	11400.00 18	8820.00 17	6170.00 20	4980.00 21	4390.00 22	3260.00 27
1977	11200.00 35	7800.00 36	6150.00 36	4460.00 36	3350.00 37	2990.00 36	2580.00 36	2120.00 36	1630.00 36
1978	24300.00 17	23000.00 17	20900.00 10	18400.00 3	12400.00 3	8080.00 10	6570.00 10	5600.00 12	4630.00 10
1979	26100.00 13	23400.00 15	19500.00 12	15300.00 5	9700.00 14	7270.00 14	5420.00 18	4720.00 19	4930.00 7
1980	21000.00 23	17700.00 25	13400.00 27	8400.00 29	6900.00 27	5580.00 24	4690.00 24	4590.00 20	3990.00 21
1981	21200.00 22	17700.00 26	14700.00 22	10400.00 26	7990.00 20	5650.00 23	4380.00 27	3810.00 29	3080.00 30
1982	19000.00 25	18000.00 24	17100.00 19	12700.00 14	12000.00 4	9160.00 3	7700.00 3	6730.00 3	5210.00 5
1983	14500.00 33	13400.00 32	10600.00 33	6500.00 34	5600.00 32	4340.00 32	3490.00 34	3070.00 34	3000.00 31
1984	16300.00 29	15800.00 28	15200.00 20	12100.00 16	8290.00 18	6640.00 19	5660.00 15	4910.00 18	4140.00 17
1985	29400.00 8	27500.00 8	22300.00 6	14600.00 9	10800.00 9	8690.00 7	6680.00 9	5820.00 8	4760.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	1890.00 11
1948	2680.00 24
1949	3380.00 31
1950	3600.00 36
1951	3030.00 30
1952	2780.00 26
1953	2020.00 14
1954	1310.00 2
1955	1330.00 3
1956	2110.00 17
1957	1850.00 10
1958	4080.00 39
1959	3730.00 38
1960	2040.00 15
1961	1730.00 7
1962	2960.00 28
1963	1930.00 13
1964	1450.00 5
1965	2290.00 19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1931	611.00 39
1948	2480.00 20
1949	2710.00 14
1950	4110.00 1
1951	2830.00 13
1952	2910.00 12
1953	1970.00 28
1954	812.00 38
1955	1520.00 35
1956	2670.00 16
1957	3200.00 7
1958	3490.00 4
1959	2640.00 17
1960	1960.00 29
1961	2480.00 21
1962	2180.00 26
1963	1850.00 31
1964	2200.00 25
1965	1720.00 34



## 03354000 WHITE RIVER NEAR CENTERTON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	1340.00	4
1967	1900.00	12
1968	2140.00	18
1969	2760.00	25
1970	2600.00	22
1971	2080.00	16
1972	1580.00	6
1973	3560.00	34
1974	3630.00	37
1975	3550.00	33
1976	2600.00	23
1977	1060.00	1
1978	2310.00	20
1979	2990.00	29
1980	3390.00	32
1981	1820.00	9
1982	3580.00	35
1983	1800.00	8
1984	2510.00	21
1985	2950.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1966	861.00	37
1967	2320.00	23
1968	2560.00	18
1969	2700.00	15
1970	2380.00	22
1971	1740.00	33
1972	2210.00	24
1973	3810.00	2
1974	3720.00	3
1975	3040.00	9
1976	2100.00	27
1977	1050.00	36
1978	3210.00	6
1979	3380.00	5
1980	2930.00	11
1981	1920.00	30
1982	3050.00	8
1983	1840.00	32
1984	2550.00	19
1985	2950.00	10

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	287.00	250.00	365.00	256.00	406.00	1101.0	1707.0	739.00	597.00	597.00	327.00	701.00
1932	775.00	1184.0	3726.0	7488.0	3224.0	1611.0	*	*	*	*	*	*
1947	*	*	*	*	*	*	4836.0	4772.0	4708.0	1236.0	1138.0	588.00
1948	473.00	534.00	574.00	3292.0	2173.0	7783.0	9212.0	2425.0	1245.0	1242.0	547.00	329.00
1949	336.00	1767.0	3074.0	11620.0	5479.0	3498.0	2168.0	1330.0	1293.0	888.00	703.00	485.00
1950	832.00	477.00	1494.0	17760.0	10430.0	5666.0	4417.0	1771.0	2686.0	1810.0	688.00	1726.0
1951	727.00	3105.0	4537.0	4504.0	6969.0	3738.0	4476.0	2179.0	1261.0	1841.0	520.00	381.00
1952	399.00	1166.0	3610.0	5929.0	5535.0	6110.0	4874.0	2329.0	2725.0	971.00	538.00	892.00
1953	424.00	586.00	1350.0	1927.0	1758.0	5862.0	2440.0	4095.0	1298.0	2613.0	824.00	352.00
1954	298.00	320.00	355.00	645.00	876.00	1577.0	3132.0	933.00	743.00	344.00	349.00	213.00
1955	526.00	363.00	546.00	2743.0	1916.0	4132.0	2881.0	1279.0	1314.0	1459.0	486.00	569.00
1956	1746.0	5089.0	1584.0	757.00	5554.0	2902.0	3288.0	4583.0	3724.0	1887.0	705.00	474.00
1957	301.00	370.00	896.00	1796.0	2374.0	1827.0	10170.0	6023.0	6701.0	5859.0	1317.0	877.00
1958	1164.0	2428.0	8248.0	2654.0	1351.0	2029.0	1805.0	2740.0	10280.0	3628.0	4241.0	1133.0
1959	911.00	2266.0	1615.0	5434.0	7091.0	3997.0	3990.0	3675.0	1318.0	768.00	536.00	369.00
1960	764.00	1101.0	1931.0	3016.0	4824.0	2367.0	2093.0	1645.0	2845.0	2009.0	642.00	455.00
1961	373.00	369.00	432.00	493.00	819.00	8495.0	8134.0	5613.0	2191.0	1044.0	1057.0	604.00
1962	600.00	961.00	958.00	5377.0	2989.0	6005.0	1617.0	1904.0	1047.0	3015.0	779.00	906.00
1963	795.00	691.00	551.00	622.00	650.00	10390.0	3906.0	1693.0	971.00	791.00	600.00	360.00
1964	281.00	343.00	305.00	418.00	460.00	7253.0	11530.0	2402.0	983.00	1625.0	420.00	355.00
1965	291.00	372.00	444.00	1259.0	3718.0	4351.0	6129.0	1626.0	825.00	647.00	425.00	732.00
1966	561.00	460.00	462.00	1271.0	1881.0	1207.0	1163.0	1605.0	608.00	398.00	338.00	455.00
1967	366.00	1007.0	6865.0	2073.0	2842.0	5069.0	3389.0	3951.0	928.00	478.00	415.00	346.00
1968	468.00	433.00	4960.0	2371.0	5838.0	2242.0	3642.0	5391.0	2394.0	946.00	1546.0	555.00
1969	463.00	1040.0	2761.0	6532.0	6556.0	1587.0	4286.0	1785.0	1577.0	3310.0	1626.0	1221.0
1970	2215.0	3899.0	1962.0	1966.0	4113.0	3455.0	5173.0	2591.0	1237.0	875.00	795.00	434.00
1971	729.00	854.00	962.00	1114.0	7116.0	3516.0	1097.0	2118.0	1718.0	937.00	529.00	677.00
1972	508.00	425.00	3666.0	3095.0	1333.0	2760.0	7790.0	2214.0	2055.0	1062.0	590.00	1057.0
1973	1506.0	7604.0	4593.0	3877.0	3037.0	7466.0	5984.0	1808.0	4229.0	2482.0	2365.0	793.00
1974	855.00	2438.0	5471.0	8482.0	4315.0	4341.0	5871.0	4336.0	4891.0	1558.0	954.00	1168.0
1975	661.00	1209.0	3127.0	5499.0	7827.0	5905.0	5127.0	3089.0	1972.0	932.00	812.00	656.00
1976	549.00	757.00	2652.0	3242.0	7318.0	4381.0	1286.0	799.00	1351.0	1843.0	791.00	442.00
1977	507.00	473.00	382.00	302.00	1344.0	3240.0	2122.0	1570.0	640.00	721.00	731.00	570.00
1978	1649.0	904.00	6189.0	1463.0	800.00	10050.0	4943.0	4078.0	1938.0	2238.0	2502.0	1445.0
1979	875.00	1429.0	2456.0	2914.0	4178.0	6889.0	4859.0	1430.0	1559.0	6629.0	6001.0	1258.0
1980	909.00	2933.0	3969.0	2594.0	2297.0	6021.0	4291.0	1885.0	5186.0	1313.0	2860.0	956.00
1981	584.00	590.00	644.00	413.00	2098.0	1209.0	2181.0	7563.0	3070.0	1901.0	1391.0	1359.0
1982	881.00	788.00	1627.0	4439.0	8868.0	9215.0	4039.0	1828.0	2672.0	1471.0	740.00	435.00
1983	421.00	648.00	3853.0	1860.0	2004.0	1636.0	4202.0	4380.0	1340.0	880.00	484.00	387.00
1984	630.00	1683.0	4255.0	1012.0	3748.0	7138.0	5827.0	2726.0	1247.0	1046.0	721.00	635.00
1985	718.00	2633.0	3409.0	3088.0	6829.0	6818.0	5626.0	2439.0	1709.0	800.00	1158.0	566.00

## WABASH RIVER BASIN

03354000 WHITE RIVER NEAR CENTERTON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
422.00	463.00	592.00	1150.00	1789.00	2273.00
FIFTIETH PERCENTILE					
592.00	879.00	1947.00	2624.00	3131.00	4237.00
SEVENTY FIFTH PERCENTILE					
849.00	1746.00	3821.00	4488.00	5767.00	6641.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
2246.00	1657.00	1239.00	876.00	531.00	434.00
FIFTIETH PERCENTILE					
4244.00	2272.00	1568.00	1239.00	726.00	579.00
SEVENTY FIFTH PERCENTILE					
5513.00	4046.00	2715.00	1898.00	1153.00	903.00

## 03354500 BEANBLOSSOM CREEK AT BEANBLOSSOM, IN

LOCATION.--Lat 39°15'45", long 86°14'55", in SW¼NW¼ sec.31, T.10 N., R.3 E., Brown County, Hydrologic Unit 05120202, on right bank 15 ft downstream from bridge on State Highway 135, 0.3 mi south of Beanblossom, 2.7 mi upstream from North Fork Beanblossom Creek, and at mile 42.1.

DRAINAGE AREA.--14.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1951 to September 1985. Prior to October 1965, published as Bean Blossom Creek at Bean Blossom.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 673.65 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--34 years, 16.2 ft<sup>3</sup>/s, 15.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharges, 8,140 ft<sup>3</sup>/s June 23, 1960, gage height, 11.78 ft, from curve extended above 2,000 ft<sup>3</sup>/s on basis of contracted-opening measurement at gage height 11.78 ft; no flow for many days in most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1952	66						7		15	15	13	6	4	9	6	20	20	14	5	12	28	25	19	20	17	16	11	8	3	4	3					
1953	111						8		16	3	4	9	16	8	14	17	12	18	21	40	25	12	14	1	6	6	2	1	1							
1954	171						8		24	3	8	11	8	5	11	9	26	21	15	12	7	12	3	7	2	2										
1955	96						46		13	4	10	11	13	11	13	6	19	12	11	21	20	19	15	9	6	3	3	4								
1956	34						11		3	1	1	9	19	24	57	20	19	13	29	23	23	19	17	16	11	6	2	4	4	1						
1957	64						14		8	2	8	11	15	5	19	25	27	26	24	33	24	14	11	6	6	5	1	3	4	2						
1958	15								6	6	9	4	9	7	9	13	26	32	38	45	26	26	27	21	10	15	6	7	2	6						
1959	24						8		5	6	6	4	9	6	6	32	29	38	21	26	42	38	25	16	14	5	1	1	1		1				1	
1960	36						5		5	3	7	2	3	11	23	19	21	49	76	28	18	11	22	10	8	2	2	3	1							1
1961	77						16		10	4	18	45	37	19	12	18	16	4	8	8	11	10	13	9	7	10	4	1	5	1	1				1	
1962	45						15		6	9	13	25	15	9	9	12	23	31	33	32	34	18	8	14	4	3	2	1	2	2						
1963	38						31		17	26	16	24	26	17	19	21	31	18	10	7	9	12	22	5	9	2			2							
1964	167						18		18	8	6	11	12	8	18	16	12	8	5	12	16	8	8	6	1	3	2			2						1
1965	89						26		17	14	6	20	11	22	12	16	17	13	18	21	16	12	6	9	6	4	4	4	1		1					
1966	46						17		14	6	1	4	5	22	41	40	43	23	16	23	21	15	9	6	2	2	3	3	1	1	1					
1967	30						4	25	7	4	12	7	3	6	5	13	11	12	13	29	24	25	20	21	21	18	17	12	5	6	4	7	1	3		
1968	16						1	2	3	7	23	20	19	19	10	7	37	25	27	16	12	15	28	23	15	13	10	6	3	3	3	2				1
1969							2	1	7	6	34	34	13	11	11	8	31	36	28	30	22	26	22	16	11	4	3	2	1	3					3	
1970							2	3	9	12	18	7	4	18	9	10	13	10	22	17	32	28	26	26	28	17	23	14	10	2	2					
1971	2	1	1	1	7	7	3	13	8	7	21	9	21	18	25	28	43	24	29	22	17	14	14	8	10	5	3	1	1	1	1					
1972	44				1	1	3	7	19	14	16	28	25	11	12	18	21	23	37	21	18	13	6	6	9	7	2	2							1	
1973					1	2	7	14	20	6	12	11	7	6	10	7	20	20	29	32	30	31	29	27	13	11	9	5	4	1	1					
1974	1				9	1	5	12	27	15	19	16	8	5	5	7	21	16	8	37	28	44	30	15	15	8	4	5	2	2						
1975	29	5	1	1	2	3	2	13	12	7	11	5	3	2	7	14	35	13	16	26	40	31	33	18	13	7	8	4	1	1	1	1				
1976	42	8	9	4	5	3	16	4	3	3	6	30	6	14	21	16	22	17	15	36	20	27	14	8	3	5	3	3	3							
1977	12				1	9	15	5	23	27	32	26	29	23	16	17	13	14	15	10	12	11	15	13	5	3	3	1	1	1					1	
1978					1	4	3	5	2	5	11	11	7	25	16	17	24	46	25	36	13	22	23	18	14	9	6	9	5	6						
1979							6	3	1	20	4	14	16	11	16	30	25	30	27	42	24	33	17	18	10	3	3	5	3	1	1	1	1			
1980							6	8	9	16	15	24	16	8	9	31	19	34	37	33	28	21	19	6	13	10	1	3								
1981					1		10	13	16	20	27	25	33	14	13	29	22	17	18	22	15	20	19	8	9	3	3	3	1	1	1	3				
1982										5	33	39	21	14	24	21	23	19	25	29	25	35	20	9	8	5	3	2	3	1					1	
1983	53				5	3	3	2	1	4	11	18	24	11	9	11	14	12	12	24	22	39	25	18	10	15	5	7	2	1	3	1				
1984	43	1	4	2	10	18	4	2	14	11	8	11	6	6	20	15	22	14	12	16	29	35	37	6	7	6	2	1	2	1					1	
1985	1	1				5	2	5	6	8	8	18	19	11	27	17	27	24	26	21	32	26	23	19	9	11	6	6	2	2	2					1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1352	12419	100.00	12	0.69	480	8611	69.34	24	48.0	291	862	6.94
1	0.01	17	11067	89.11	13	0.99	410	8131	65.47	25	68.0	199	571	4.60
2	0.02	22	11050	88.98	14	1.4	593	7721	62.17	26	97.0	131	372	3.00
3	0.03	32	11028	88.80	15	2.0	604	7128	57.40	27	140.0	87	241	1.94
4	0.04	94	10996	88.54	16	2.8	832	6524	52.53	28	200.0	67	154	1.24
5	0.06	71	10902	87.78	17	4.1	701	5692	45.83	29	280.0	44	87	0.70
6	0.08	345	10831	87.21	18	5.8	755	4991	40.19	30	400.0	27	43	0.35
7	0.12	158	10486	84.44	19	8.2	823	4236	34.11	31	570.0	9	16	0.13
8	0.17	399	10328	83.16	20	12.0	807	3413	27.48	32	810.0	6	7	0.06
9	0.24	332	9929	79.95	21	17.0	739	2606	20.98	33	1200.0	1	1	0.01
10	0.34	441	9597	77.28	22	24.0	603	1867	15.03	34				
11	0.49	545	9156	73.73	23	34.0	402	1264	10.18					

## 03354500 BEANBLOSSOM CREEK AT BEANBLOSSOM, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.00  
 P90 = 0.01  
 P75 = 0.44  
 P70 = 0.66  
 P50 = 3.3  
 P25 = 13.9  
 P10 = 34.8

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1953	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.02 10	0.06 7	0.05 3	0.68 9
1954	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.07 5	0.20 4
1955	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.01 9	0.03 5	0.06 4	0.10 1
1956	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	0.00 2	0.43 22	0.92 23	2.10 16
1957	0.00 5	0.00 5	0.00 5	0.00 5	0.00 5	0.05 11	0.49 23	0.48 16	2.70 20
1958	0.00 6	0.00 6	0.00 6	0.00 6	0.04 15	0.14 16	0.25 14	0.65 20	6.90 29
1959	0.70 33	0.83 33	1.00 33	1.70 33	2.80 33	3.70 33	4.30 33	8.70 33	11.00 32
1960	0.00 7	0.00 7	0.00 7	0.01 17	0.06 18	1.40 32	3.30 32	3.80 29	5.20 26
1961	0.00 8	0.00 8	0.00 8	0.00 7	0.00 6	0.00 3	0.09 9	0.26 11	0.48 7
1962	0.00 9	0.00 9	0.00 9	0.00 8	0.00 7	0.00 4	0.02 4	0.11 6	0.47 5
1963	0.00 10	0.00 10	0.01 21	0.09 23	0.10 20	0.24 20	0.40 21	0.59 17	1.19 12
1964	0.00 11	0.00 11	0.00 10	0.00 9	0.00 8	0.00 5	0.00 2	0.00 1	0.18 3
1965	0.00 12	0.00 12	0.00 11	0.00 10	0.00 9	0.00 6	0.00 3	0.00 2	0.10 2
1966	0.00 13	0.00 13	0.00 12	0.06 20	0.28 27	0.78 29	0.74 26	1.00 24	4.00 24
1967	0.00 14	0.00 14	0.00 13	0.00 11	0.00 10	0.25 21	0.36 18	0.74 21	3.40 22
1968	0.00 15	0.00 15	0.00 14	0.00 12	0.00 11	0.01 7	0.11 10	0.16 7	0.56 8
1969	0.09 28	0.10 27	0.15 28	0.20 28	0.28 28	0.30 22	0.37 19	2.90 28	6.50 27
1970	0.25 31	0.25 30	0.33 30	0.53 31	0.74 31	0.86 30	1.50 29	6.50 31	6.70 28
1971	0.00 16	0.00 16	0.02 22	0.06 21	0.07 19	0.22 19	0.26 15	0.36 14	1.19 13
1972	0.05 26	0.05 25	0.05 25	0.10 24	0.13 22	0.21 17	0.31 16	0.40 15	1.50 14
1973	0.00 17	0.00 17	0.00 15	0.00 13	0.00 12	0.06 14	0.20 13	0.26 12	3.50 23
1974	0.09 27	0.12 28	0.15 26	0.16 25	0.19 24	0.22 18	0.32 17	0.90 22	7.60 30
1975	0.00 18	0.04 24	0.04 24	0.07 22	0.11 21	0.32 23	2.00 30	4.50 30	7.90 31
1976	0.00 19	0.00 18	0.00 16	0.03 19	0.05 17	0.09 15	0.12 11	0.33 13	2.50 17
1977	0.00 20	0.00 19	0.00 17	0.00 14	0.04 16	0.05 12	0.07 8	0.18 8	0.47 6
1978	0.00 21	0.00 20	0.00 18	0.01 18	0.15 23	0.51 26	0.62 25	0.64 18	0.76 10
1979	0.01 24	0.02 23	0.03 23	0.16 26	0.42 29	0.62 28	1.30 27	2.10 27	2.60 18
1980	0.41 32	0.45 32	0.54 32	0.69 32	0.81 32	1.10 31	2.70 31	8.60 32	13.00 33
1981	0.10 29	0.15 29	0.16 29	0.19 27	0.28 25	0.46 25	0.55 24	1.30 25	1.80 15
1982	0.05 25	0.10 26	0.15 27	0.22 29	0.28 26	0.37 24	0.40 20	0.65 19	0.96 11
1983	0.25 30	0.32 31	0.35 31	0.48 30	0.55 30	0.61 27	1.30 28	1.40 26	4.60 25
1984	0.00 22	0.00 21	0.00 19	0.00 15	0.00 13	0.01 8	0.04 6	0.21 9	2.70 19
1985	0.00 23	0.00 22	0.00 20	0.00 16	0.00 14	0.06 13	0.15 12	0.21 10	3.10 21

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1952	564.00 14	342.00 10	247.00 7	134.00 7	122.00 1	92.00 1	74.00 1	69.00 1	57.00 1
1953	262.00 31	138.00 32	66.00 33	44.00 33	39.00 33	30.00 33	28.00 32	23.00 32	18.00 31
1954	76.00 34	61.00 34	38.00 34	29.00 34	21.00 34	14.00 34	12.00 34	10.00 34	7.70 34
1955	190.00 33	121.00 33	75.00 32	50.00 31	42.00 31	35.00 27	29.00 31	26.00 29	18.00 32
1956	330.00 26	196.00 26	100.00 29	55.00 30	53.00 25	38.00 24	35.00 24	33.00 19	27.00 19
1957	509.00 19	357.00 9	263.00 4	137.00 6	74.00 17	69.00 4	52.00 5	44.00 7	36.00 6
1958	346.00 25	336.00 13	176.00 15	123.00 12	80.00 10	53.00 15	47.00 10	41.00 10	36.00 7
1959	1150.00 2	428.00 6	200.00 9	109.00 14	93.00 4	64.00 8	49.00 7	40.00 11	32.00 14
1960	1220.00 1	460.00 3	205.00 8	99.00 20	55.00 24	31.00 32	24.00 33	23.00 33	23.00 23
1961	1080.00 5	632.00 1	339.00 1	173.00 1	113.00 2	75.00 2	67.00 2	52.00 2	35.00 11
1962	288.00 28	164.00 28	92.00 30	61.00 29	49.00 27	33.00 30	31.00 29	25.00 30	21.00 25
1963	545.00 15	297.00 18	147.00 21	126.00 11	86.00 6	53.00 16	37.00 20	30.00 22	21.00 26
1964	1110.00 4	460.00 4	250.00 6	129.00 9	72.00 18	51.00 19	35.00 21	27.00 27	18.00 33
1965	403.00 24	229.00 22	117.00 25	69.00 27	48.00 28	37.00 25	35.00 22	28.00 23	19.00 29
1966	465.00 21	215.00 23	121.00 24	76.00 24	52.00 26	31.00 31	29.00 30	26.00 28	21.00 27
1967	503.00 20	434.00 5	267.00 3	150.00 3	84.00 8	53.00 17	46.00 11	40.00 12	42.00 3
1968	1130.00 3	577.00 2	300.00 2	149.00 4	90.00 5	60.00 9	48.00 8	46.00 5	36.00 8
1969	669.00 10	400.00 7	198.00 10	145.00 5	85.00 7	57.00 11	44.00 15	43.00 8	33.00 12
1970	531.00 17	211.00 25	116.00 26	70.00 26	46.00 29	35.00 28	32.00 27	28.00 24	24.00 20

## 03354500 BEAMBLOSSOM CREEK AT BEAMBLOSSOM, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	460.00	22	212.00	24	163.00	17	100.00	18	66.00	21	44.00	22	34.00	25	28.00	25	22.00	24
1972	770.00	8	304.00	17	188.00	11	129.00	10	78.00	11	49.00	20	39.00	19	31.00	20	24.00	21
1973	418.00	23	252.00	21	185.00	13	106.00	16	75.00	14	69.00	3	52.00	6	45.00	6	40.00	5
1974	301.00	27	194.00	27	133.00	22	93.00	22	57.00	23	43.00	23	41.00	17	36.00	17	35.00	9
1975	743.00	9	319.00	14	160.00	18	97.00	21	81.00	9	65.00	7	55.00	4	49.00	4	41.00	4
1976	230.00	32	146.00	30	86.00	31	48.00	32	40.00	32	35.00	29	33.00	26	31.00	21	23.00	22
1977	659.00	11	278.00	19	186.00	12	102.00	17	63.00	22	47.00	21	35.00	23	27.00	26	18.00	30
1978	286.00	29	143.00	31	101.00	28	68.00	28	42.00	30	36.00	26	31.00	28	24.00	31	19.00	28
1979	813.00	7	310.00	16	166.00	16	131.00	8	74.00	15	56.00	12	44.00	16	40.00	13	32.00	15
1980	274.00	30	153.00	29	116.00	27	83.00	23	68.00	19	51.00	18	40.00	18	36.00	18	33.00	13
1981	536.00	16	366.00	8	251.00	5	164.00	2	94.00	3	67.00	5	48.00	9	43.00	9	30.00	16
1982	583.00	12	316.00	15	151.00	20	108.00	15	74.00	16	55.00	13	46.00	12	40.00	14	30.00	17
1983	518.00	18	338.00	11	183.00	14	112.00	13	78.00	12	58.00	10	45.00	13	36.00	15	35.00	10
1984	577.00	13	267.00	20	132.00	23	74.00	25	67.00	20	55.00	14	44.00	14	36.00	16	29.00	18
1985	889.00	6	337.00	12	157.00	19	99.00	19	75.00	13	65.00	6	59.00	3	52.00	3	46.00	2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1953	12.00	12
1954	5.20	1
1955	9.00	5
1956	11.00	9
1957	13.00	13
1958	25.00	31
1959	29.00	33
1960	13.00	14
1961	13.00	15
1962	18.00	23
1963	12.00	10
1964	9.40	7
1965	8.00	4
1966	12.00	11
1967	20.00	24
1968	16.00	19
1969	24.00	29
1970	17.00	20
1971	15.00	17
1972	6.50	3
1973	22.00	27
1974	21.00	25
1975	27.00	32
1976	15.00	18
1977	5.90	2
1978	9.70	8
1979	18.00	21
1980	22.00	26
1981	9.10	6
1982	24.00	28
1983	13.00	16
1984	18.00	22
1985	25.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1952	30.00	1
1953	9.00	32
1954	3.90	34
1955	9.60	30
1956	16.00	17
1957	19.00	12
1958	26.00	2
1959	19.00	13
1960	15.00	18
1961	18.00	14
1962	12.00	25
1963	11.00	26
1964	9.00	33
1965	11.00	27
1966	11.00	28
1967	23.00	5
1968	21.00	8
1969	21.00	9
1970	13.00	21
1971	12.00	22
1972	12.00	23
1973	25.00	3
1974	20.00	10
1975	22.00	6
1976	12.00	24
1977	9.30	31
1978	11.00	29
1979	22.00	7
1980	18.00	15
1981	15.00	19
1982	16.00	16
1983	19.00	11
1984	15.00	20
1985	25.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1952	0.26	10.90	115.00	61.70	39.80	50.40	42.00	30.00	7.78	0.37	0.05	0.17
1953	0.00	0.40	3.24	13.10	9.48	36.60	22.50	20.30	0.59	0.43	0.69	0.01
1954	0.00	0.00	0.28	5.19	4.34	7.55	14.10	10.10	5.13	0.00	0.31	0.00
1955	0.05	0.08	4.62	14.90	26.60	33.30	26.10	5.43	1.76	1.12	0.00	2.42
1956	1.84	17.60	3.83	4.69	52.40	21.50	30.10	27.20	29.20	1.72	0.19	1.46
1957	0.01	1.19	11.80	22.30	20.90	14.70	64.60	69.70	18.60	8.37	0.50	0.05
1958	0.32	15.60	77.20	20.60	4.84	16.40	24.30	41.20	58.60	34.70	12.50	4.27
1959	3.06	17.60	9.69	59.00	56.00	28.20	15.80	14.10	11.60	0.09	3.58	8.58
1960	3.25	11.50	15.20	20.50	32.20	18.10	9.57	7.14	52.90	6.81	0.72	0.00
1961	0.02	0.59	0.89	1.08	13.80	65.90	37.00	84.50	4.73	0.37	0.12	0.00
1962	0.01	0.41	5.04	27.60	27.70	32.40	11.20	13.10	6.28	17.70	1.00	0.51
1963	0.27	1.05	1.18	3.21	2.13	80.90	20.20	6.55	10.10	2.93	0.38	0.00
1964	0.00	0.00	0.03	1.56	2.07	68.50	30.70	3.08	0.40	0.42	0.00	0.00
1965	0.00	0.00	0.24	5.12	33.80	24.70	48.40	3.26	0.59	1.21	0.93	16.60

## WABASH RIVER BASIN

03354500 BEANBLOSSOM CREEK AT BEANBLOSSOM, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1966	2.98	1.83	3.47	17.70	33.30	11.70	30.50	29.20	1.33	0.14	0.85	1.25
1967	1.73	28.90	71.10	12.30	18.70	46.90	33.00	54.80	1.97	0.32	0.06	0.00
1968	0.33	0.85	24.00	21.10	33.00	21.10	31.80	85.20	7.36	16.80	5.53	0.32
1969	0.35	9.14	33.80	73.30	17.40	9.21	51.10	5.01	8.14	42.70	1.19	0.94
1970	2.41	22.20	8.46	16.50	20.30	21.90	46.30	12.50	5.47	0.36	0.31	0.21
1971	1.07	3.97	7.54	16.10	66.60	23.30	6.61	14.00	7.03	1.61	0.40	0.24
1972	0.40	0.69	12.10	8.98	8.13	17.90	77.80	17.80	1.86	0.57	0.10	0.32
1973	0.26	30.80	33.20	21.80	20.80	63.80	70.90	9.42	22.50	19.50	1.60	0.19
1974	0.27	8.08	21.80	39.40	21.90	36.00	30.10	53.60	10.40	0.42	0.28	13.40
1975	4.10	21.10	29.40	36.20	64.10	64.40	31.00	5.29	9.38	0.29	0.14	0.06
1976	2.21	13.60	31.50	28.20	29.80	26.70	5.65	1.70	1.66	0.13	0.04	0.14
1977	0.72	1.55	0.32	0.16	15.60	43.60	40.50	6.13	1.23	0.42	1.18	0.53
1978	0.58	0.95	21.50	2.59	2.06	38.40	17.20	33.80	2.63	3.32	4.33	1.08
1979	0.86	3.73	24.10	32.10	46.90	43.00	30.10	10.70	2.62	57.50	9.33	1.10
1980	1.18	31.80	29.90	16.80	13.50	61.60	32.90	19.10	8.78	1.57	3.40	0.55
1981	0.50	1.65	3.63	1.58	27.20	10.40	38.90	90.60	9.83	0.74	1.36	0.30
1982	0.55	1.24	10.00	56.60	33.90	39.10	23.30	8.64	14.90	4.71	1.65	1.92
1983	0.55	7.70	55.10	10.40	11.60	17.90	47.80	63.30	8.11	0.41	0.02	0.00
1984	1.80	14.60	18.20	2.80	19.80	42.00	66.70	15.20	0.94	0.17	0.28	0.05
1985	3.19	17.80	63.70	19.20	56.40	61.00	24.70	46.00	3.36	1.20	1.84	0.40

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.21	0.81	3.59	5.01	13.00	18.00
------	------	------	------	-------	-------

## FIFTIETH PERCENTILE

0.53	3.85	12.00	16.60	21.40	32.80
------	------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

1.81	16.10	30.30	27.70	33.80	47.80
------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

21.90	6.99	1.83	0.37	0.14	0.04
-------	------	------	------	------	------

## FIFTIETH PERCENTILE

30.60	14.70	6.65	0.93	0.60	0.31
-------	-------	------	------	------	------

## SEVENTY FIFTH PERCENTILE

43.10	42.40	10.20	5.23	1.61	1.14
-------	-------	-------	------	------	------

## 03355000 BEAR CREEK NEAR TREVLAC, IN

LOCATION.--Lat 39°16'40", long 86°20'45", in NE¼NE¼ sec.30, T.10 N., R.2 E., Brown County, Hydrologic Unit 05120202, on left bank 15 ft west of Bear Creek Road, 100 ft upstream from Slippery Elm Shoot Road, 1.1 mi northwest of Trevlac, and 1.3 mi upstream from mouth.

DRAINAGE AREA.--6.94 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1952 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

AVERAGE DISCHARGE.--21 years, 6.69 ft<sup>3</sup>/s, 13.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharges, 1,830 ft<sup>3</sup>/s June 12, 1957, gage height, 7.62 ft, from rating curve extended above 290 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow at gage height, 6.43 ft; no flow at times most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
NUMBER OF DAYS IN CLASS																																					
1953	122							31		10	14		10	8	11	15	10	22	10	26	15	23	20	6	2	2	4	2	2								
1954	187							31		13	5		9	6	6	12	17	9	7	18	12	12	9	6	2	2	1	1									
1955	100							20		16	13	14	4	20	10	18	18	19	6	25	18	17	14	9	7	1	6	5	3	2							
1956	80							7		10	4	28	19	31	10	11	9	13	16	20	19	16	21	17	13	10	3	3	1	3	1	1					
1957	99							5		19		7	7	9	14	17	26	29	28	28	15	12	12	8	5	5	7	5	1	5	1	1					
1958	24							5		14	1	12	8	18	6	40	36	40	31	22	26	15	16	11	12	6	6	8	1	7							
1959	70							15		6	5	7	4	15	9	23	21	19	21	35	22	20	21	15	13	9	7	4	2		1		1				
1960	42							8		18		22	8	5	25	11	27	29	42	30	31	15	21	9	7	7	3	4		1				1			
1961	100							82		6	24	16		7	2	10	8	9	15	8	9	11	13	9	10	11	2	5	3	3		1		1			
1962	20							30		41	22	13	15	9	7	15	30	24	34	20	31	18	13	5	5	3	6	1	1	2							
1963	62							34		24	15	25	18	23	15	26	16	21	17	14	13	10	10	8	6	1	2	1	1	2	1						
1964	154							58		36	10	10	4	9	4	4	6	7	9	15	10	3	6	4	6	3	3		4			1					
1965	110							53		23	6	15	18	13	9	24	13	12	11	12	8	3	5	2	10	3	3	5	3	4							
1966	77							12		42	14	12	32	20	12	16	12	13	24	11	16	12	13	9	5	4	2	2	2	1	2						
1967	68							33		11	11	10	11	5	6	24	13	24	24	17	15	19	22	16	10	11	3	4	5	2	1						
1968	26							36		19	21	16	39	21	19	14	10	17	6	24	19	13	16	11	15	11	3	2	1	4	1	1	1	1			
1969					4	6	9	34	21	15	20	11	10	4	10	32	40	30	11	18	13	15	18	13	9	9	3	1	3	5		1					
1970	12	5	5	1	6	15	10	24	14	7	6	17	21	14	22	25	15	22	17	24	19	13	10	10	14	9	3	1	2	2							
1971	12		2	2	2	13		23	2	20	14	13	10	22	21	43	19	15	21	30	16	12	15	11	7	9	4	5		2							
1972	23	7		2	4	9	4	8	9	11	29	48	21	9	5	25	12	34	21	34	14	3	7	8	5	5	1	3	2	2	1						
1973						8	7	25	6	16	11	12	14	8	8	13	18	20	34	19	32	22	24	26	14	8	11	5		3	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1388	7670	100.00	12	0.46	282	4605	60.04	24	21.0	177	563	7.34
1	0.01	12	6282	81.90	13	0.64	276	4323	56.36	25	30.0	129	386	5.03
2	0.02	7	6270	81.75	14	0.88	231	4047	52.76	26	41.0	83	257	3.35
3	0.03	5	6263	81.66	15	1.2	418	3816	49.75	27	56.0	67	174	2.27
4	0.04	16	6258	81.59	16	1.7	376	3398	44.30	28	77.0	37	107	1.40
5	0.05	51	6242	81.38	17	2.3	428	3022	39.40	29	110.0	50	70	0.91
6	0.07	30	6191	80.72	18	3.2	405	2594	33.82	30	150.0	10	20	0.26
7	0.09	574	6161	80.33	19	4.3	450	2189	28.54	31	200.0	6	10	0.13
8	0.13	52	5587	72.84	20	6.0	373	1739	22.67	32	280.0	2	4	0.05
9	0.18	377	5535	72.16	21	8.2	284	1366	17.81	33	380.0	2	2	0.03
10	0.24	245	5158	67.25	22	11.0	306	1082	14.11	34				
11	0.34	308	4913	64.05	23	16.0	213	776	10.12					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.00
P90 =	0.01
P75 =	0.12
P70 =	0.21
P50 =	1.2
P25 =	5.3
P10 =	16.2

## 03355000 BEAR CREEK NEAR TREVLAC, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1954	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.18 5
1955	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.02 3	0.02 2	0.09 1
1956	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.17 13	0.40 16	2.20 16
1957	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	0.02 7	0.27 16	0.25 10	1.19 12
1958	0.00 5	0.00 5	0.00 5	0.00 5	0.02 14	0.05 12	0.10 9	0.30 12	2.70 18
1959	0.00 6	0.23 20	0.27 20	0.83 20	1.00 20	1.80 20	2.20 20	2.40 20	4.40 20
1960	0.00 7	0.00 6	0.00 6	0.00 6	0.00 5	0.14 16	0.19 14	0.35 14	1.19 13
1961	0.00 8	0.00 7	0.00 7	0.00 7	0.01 10	0.03 8	0.04 6	0.08 6	0.13 3
1962	0.00 9	0.00 8	0.00 8	0.00 8	0.01 11	0.05 9	0.06 7	0.08 7	0.58 7
1963	0.00 10	0.00 9	0.04 18	0.06 18	0.17 19	0.35 19	0.50 19	0.58 17	0.94 10
1964	0.00 11	0.00 10	0.00 9	0.00 9	0.00 6	0.00 4	0.02 4	0.03 3	0.16 4
1965	0.00 12	0.00 11	0.00 10	0.00 10	0.00 7	0.00 5	0.00 2	0.04 4	0.10 2
1966	0.00 13	0.00 12	0.00 11	0.00 11	0.00 8	0.05 10	0.28 17	0.39 15	1.50 15
1967	0.00 14	0.00 13	0.00 12	0.00 12	0.01 12	0.05 11	0.08 8	0.30 13	1.10 11
1968	0.00 15	0.00 14	0.00 13	0.00 13	0.00 9	0.02 6	0.04 5	0.06 5	0.21 6
1969	0.00 16	0.00 15	0.00 14	0.04 17	0.10 17	0.14 17	0.15 12	0.95 18	3.00 19
1970	0.04 20	0.04 19	0.07 19	0.13 19	0.15 18	0.21 18	0.44 18	2.40 19	2.60 17
1971	0.00 17	0.00 16	0.00 15	0.03 15	0.07 15	0.09 14	0.14 10	0.17 8	0.70 9
1972	0.00 18	0.00 17	0.00 16	0.03 16	0.09 16	0.14 15	0.20 15	0.26 11	0.64 8
1973	0.00 19	0.00 18	0.00 17	0.00 14	0.02 13	0.06 13	0.14 11	0.21 9	1.40 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1953	103.00 20	55.00 20	45.00 18	26.00 20	17.00 20	15.00 19	14.00 18	12.00 16	8.60 18
1954	60.00 21	32.00 21	18.00 21	16.00 21	14.00 21	10.00 21	7.60 21	6.70 21	4.70 21
1955	141.00 16	78.00 17	44.00 19	33.00 17	22.00 18	21.00 11	17.00 14	15.00 9	12.00 11
1956	223.00 8	109.00 10	58.00 15	30.00 18	29.00 13	21.00 12	19.00 6	18.00 6	13.00 8
1957	238.00 6	151.00 5	89.00 4	53.00 6	35.00 5	28.00 3	23.00 2	18.00 7	15.00 6
1958	144.00 15	135.00 7	72.00 8	51.00 7	32.00 6	21.00 13	18.00 10	15.00 10	13.00 9
1959	314.00 4	133.00 8	64.00 13	37.00 14	32.00 7	26.00 6	21.00 3	20.00 3	16.00 2
1960	381.00 2	146.00 6	67.00 9	35.00 15	22.00 19	14.00 20	13.00 20	12.00 17	12.00 10
1961	402.00 1	254.00 1	138.00 1	75.00 1	50.00 1	34.00 1	29.00 1	24.00 1	16.00 3
1962	138.00 18	70.00 18	39.00 20	28.00 19	25.00 17	16.00 17	14.00 19	12.00 18	9.60 17
1963	150.00 13	103.00 11	54.00 16	42.00 10	32.00 8	20.00 14	15.00 15	11.00 19	8.10 19
1964	230.00 7	120.00 9	66.00 10	38.00 12	26.00 15	22.00 8	15.00 16	11.00 20	7.50 20
1965	132.00 19	89.00 15	75.00 7	38.00 13	30.00 11	22.00 9	19.00 7	15.00 11	9.70 16
1966	178.00 10	93.00 14	62.00 14	43.00 9	28.00 14	16.00 18	14.00 17	13.00 15	10.00 15
1967	173.00 11	152.00 4	92.00 3	54.00 5	30.00 12	19.00 15	18.00 11	16.00 8	16.00 4
1968	366.00 3	225.00 2	124.00 2	66.00 2	38.00 3	27.00 4	21.00 4	20.00 2	16.00 5
1969	238.00 5	166.00 3	86.00 5	63.00 3	39.00 2	26.00 5	19.00 8	19.00 4	14.00 7
1970	140.00 17	66.00 19	52.00 17	33.00 16	25.00 16	19.00 16	17.00 12	14.00 12	11.00 12
1971	149.00 14	82.00 16	65.00 12	46.00 8	32.00 9	21.00 10	17.00 13	14.00 13	11.00 13
1972	191.00 9	100.00 13	84.00 6	57.00 4	36.00 4	23.00 7	18.00 9	14.00 14	10.00 14
1973	168.00 12	102.00 12	66.00 11	40.00 11	32.00 10	28.00 2	21.00 5	19.00 5	17.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1954	3.30 1
1955	4.80 6
1956	7.60 14
1957	5.80 8
1958	9.90 18
1959	11.00 19
1960	6.60 12
1961	6.00 9
1962	8.80 15
1963	4.50 4
1964	3.30 2
1965	4.80 5

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1953	4.40 18
1954	2.40 21
1955	6.20 12
1956	8.10 7
1957	8.10 8
1958	9.60 2
1959	8.70 4
1960	7.00 10
1961	8.10 9
1962	5.30 17
1963	4.30 19
1964	3.80 20



03355000 BEAR CREEK NEAR TREVLAC, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	5.10	7
1967	8.80	16
1968	6.30	10
1969	11.00	20
1970	6.60	11
1971	7.20	13
1972	3.40	3
1973	9.90	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	5.50	14
1966	5.40	15
1967	8.60	5
1968	9.30	3
1969	8.10	6
1970	6.00	13
1971	6.20	11
1972	5.40	16
1973	9.90	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1953	0.01	0.18	1.23	4.65	3.36	15.30	11.50	15.40	0.11	0.98	0.03	0.00
1954	0.00	0.00	0.29	3.64	1.53	5.81	11.70	3.94	1.47	0.00	0.05	0.00
1955	0.10	0.28	3.04	7.89	11.70	18.30	20.00	10.30	1.73	0.30	0.00	1.20
1956	0.12	13.40	2.30	1.46	29.60	12.80	13.70	14.50	8.44	1.20	0.01	0.80
1957	0.00	0.24	5.03	9.65	9.37	6.91	33.60	20.30	11.10	1.59	0.05	0.09
1958	0.25	5.72	31.30	7.62	1.27	5.55	8.50	12.30	27.80	8.60	2.85	3.28
1959	1.09	9.47	5.12	20.40	22.70	16.00	17.60	9.18	2.79	0.05	0.43	0.13
1960	1.17	3.94	7.36	10.10	16.60	10.10	5.02	9.14	19.10	1.88	0.13	0.03
1961	0.04	0.15	0.22	0.24	4.35	31.00	18.90	34.30	7.01	0.11	0.10	0.02
1962	0.12	0.56	4.41	10.60	11.60	17.80	5.87	6.98	1.97	2.86	0.77	0.45
1963	0.33	0.99	1.35	1.80	1.27	28.90	9.14	5.35	0.79	1.10	0.30	0.00
1964	0.01	0.07	0.03	0.96	0.54	21.10	20.70	1.51	0.30	0.20	0.00	0.00
1965	0.10	0.17	0.46	2.76	13.90	19.00	22.70	0.48	0.00	0.58	0.75	6.57
1966	0.96	0.34	1.79	8.45	14.50	5.84	15.80	16.10	0.26	0.06	0.16	0.76
1967	0.52	10.80	25.00	5.48	8.69	21.40	12.80	17.80	0.38	0.07	0.03	0.01
1968	0.29	0.50	10.50	9.33	14.00	9.87	14.90	36.60	1.84	10.30	2.47	0.20
1969	0.10	2.64	13.20	31.80	9.22	4.34	19.60	2.32	0.75	12.80	0.42	0.17
1970	0.79	8.36	3.59	7.06	12.10	11.50	25.20	2.98	0.94	0.11	0.08	0.27
1971	1.57	2.56	3.52	7.23	32.20	11.70	3.11	7.03	7.39	0.28	0.13	0.20
1972	0.44	0.39	3.91	3.45	4.43	9.46	35.80	4.78	2.51	0.28	0.07	0.25
1973	0.33	14.30	14.20	10.00	8.12	28.50	26.90	4.22	6.48	5.98	0.35	0.09

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.07	0.21	1.29	3.10	3.85	8.18
------	------	------	------	------	------

## FIFTIETH PERCENTILE

0.25	0.56	3.59	7.23	9.37	12.80
------	------	------	------	------	-------

## SEVENTY FIFTH PERCENTILE

0.66	7.04	8.93	9.82	14.30	20.00
------	------	------	------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

10.30	4.08	0.57	0.11	0.04	0.02
-------	------	------	------	------	------

## FIFTIETH PERCENTILE

15.80	9.14	1.84	0.58	0.13	0.17
-------	------	------	------	------	------

## SEVENTY FIFTH PERCENTILE

21.69	15.70	7.20	2.37	0.43	0.61
-------	-------	------	------	------	------

## 03356000 BEAMBLOSSOM CREEK AT DOLAN, IN

LOCATION.--Lat 39°14'30", long 86°29'57", in NW¼SW¼ sec.2, T.9 N., R.1 W., Monroe County, Hydrologic Unit 05120202, on downstream side of pier of highway bridge at Dolan, 5.8 mi northeast of Bloomington, 8.2 mi downstream from Lake Lemon, and 21.5 mi upstream from mouth.

DRAINAGE AREA.--100 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1946 to September 1978 (discontinued). Prior to October 1965, published as Bean Blossom Creek at Dolan.

GAGE.--Water-stage recorder. Datum of gage is 576.41 ft above National Geodetic Vertical Datum of 1929 (unadjusted). Prior to Sept. 28, 1951, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Lake Lemon 8.2 mi upstream.

AVERAGE DISCHARGE.--32 years, 111 ft<sup>3</sup>/s, 15.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharges, 9,420 ft<sup>3</sup>/s June 2, 1947; maximum gage height, 17.9 ft, Jan. 5, 1949; no flow at times during 1946-49, and 1953.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1947	1	7		4	1	4		4	5	9	14	13	18	12	17	16	26	30	21	18	29	26	28	17	9	8	5	11	5	5		1		1	
1948	6	1		3	5	4	3	26	5	11	22	26	34	19	27	17	19	11	7	20	30	13	19	11	8	10	2	2	1	4					
1949	3			3	4	2	1	1	9	9	11	15	13	13	21	25	16	19	36	38	33	21	20	9	8	5	9	7	5	3	2	1		2	1
1950					1	5	12	8	4	12	6	7	18	19	12	26	19	23	19	19	34	34	21	15	10	7	9	5	7	5	4	3			1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	10	1461	100.00	12	4.2	72	1181	80.84	24	250.0	40	181	12.39
1	0.10	8	1451	99.32	13	5.9	62	1109	75.91	25	340.0	33	141	9.65
2	0.14	0	1443	98.77	14	8.2	84	1047	71.66	26	480.0	23	108	7.39
3	0.20	10	1443	98.77	15	12.0	70	963	65.91	27	680.0	29	85	5.82
4	0.28	10	1433	98.08	16	16.0	87	893	61.12	28	950.0	16	56	3.83
5	0.39	11	1423	97.40	17	23.0	79	806	55.17	29	1300.0	19	40	2.74
6	0.55	9	1412	96.65	18	32.0	87	727	49.76	30	1900.0	7	21	1.44
7	0.77	43	1403	96.03	19	45.0	95	640	43.81	31	2600.0	6	14	0.96
8	1.1	27	1360	93.09	20	63.0	111	545	37.30	32	3700.0	3	8	0.55
9	1.5	33	1333	91.24	21	89.0	94	434	29.71	33	5200.0	3	5	0.34
10	2.1	59	1300	88.98	22	120.0	101	340	23.27	34	7300.0	2	2	0.14
11	3.0	60	1241	84.94	23	170.0	58	239	16.36					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.89
P90 =	1.8
P75 =	6.4
P70 =	9.3
P50 =	31.7
P25 =	112.0
P10 =	329.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1		3		7		14		30		60		90		120		183	
1948	0.70	3	0.73	2	0.79	2	0.85	2	1.30	2	2.10	2	3.00	1	4.90	1	15.00	1
1949	0.00	1	0.00	1	0.00	1	0.06	1	0.22	1	1.00	1	5.50	2	16.00	2	23.00	3
1950	0.60	2	1.30	3	2.20	3	3.60	3	7.00	3	14.00	3	18.00	3	18.00	3	20.00	2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1		3		7		15		30		60		90		120		183	
1947	6280.00	3	3200.00	3	1570.00	3	902.00	3	635.00	3	557.00	3	436.00	3	336.00	3	282.00	3
1948	1640.00	4	1240.00	4	660.00	4	414.00	4	392.00	4	278.00	4	230.00	4	185.00	4	136.00	4
1949	7300.00	2	3850.00	2	1800.00	2	995.00	2	797.00	2	617.00	2	575.00	2	463.00	2	334.00	2
1950	7480.00	1	4360.00	1	2560.00	1	1960.00	1	1280.00	1	970.00	1	730.00	1	661.00	1	476.00	1

03356000 BEAMBLOSSOM CREEK AT DOLAN, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	150.00	1
1949	196.00	2
1950	227.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1947	152.00	3
1948	75.00	4
1949	175.00	2
1950	263.00	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	0.93	22.70	106.00	250.00	47.70	92.00	484.00	337.00	413.00	20.80	45.90	3.26
1948	2.26	3.63	12.10	98.30	155.00	230.00	251.00	74.10	8.81	47.80	14.20	1.58
1949	1.31	140.00	152.00	741.00	446.00	492.00	47.00	12.90	20.10	23.20	18.30	20.90
1950	160.00	16.50	256.00	1246.0	645.00	278.00	322.00	131.00	54.80	15.00	10.30	36.50

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1954								1	3	15	14	82	57	88	32	19	21	10	5	5	5	4	1	1												
1955												32	22	89	55	18	28	20	12	24	19	11	10	3	5	6	5	2	4							
1956												2	18	51	80	37	24	17	17	25	23	14	18	14	9	5	3	5	3		1					
1957				1	3	1	1						24	28	97	44	12	13	44	18	12	12	16	8	8	7	3	3	3	2	2	1	2			
1958													3	11	56	32	32	39	25	27	29	22	30	11	13	13	5	3	6	3	3	2				
1959									2	1	4	3	3	3	11	91	31	15	47	33	32	24	15	19	14	5	4	2	2	3		1				
1960								2	7	3	3	4	2	5	8	98	47	45	39	34	14	16	11	11	4	4	1	2	2	2		1		1		
1961									2		2	1	6	7	47	179	27	9	9	8	5	8	11	9	6	8	10	2	2	2	3			1	1	
1962										2	2	1	11	47	103	51	37	23	23	16	13	12	5	7	6		2	3	1							
1963														81	159	30	18	14	5	10	9	14	6	9	3	1	2	3	1							
1964														11	136	149	5	5	7	14	5	5	9	2	4	3	3	4	2		2					
1965													1	70	139	42	12	6	27	15	13	9	4	8	4	5	4	3	3							
1966														43	128	62	23	16	17	17	13	9	12	3	6	5	5	3	1		2					
1967														30	113	25	29	19	25	16	18	20	17	13	11	9	3	9	3	1	2	2				
1968															37	139	46	22	21	22	16	7	15	9	7	5	5	3	2	4	3	1	2			
1969															38	74	53	41	30	18	12	14	13	21	15	10	7	6	2	2	1	6	1	1		
1970															94	53	30	33	31	23	17	16	17	10	17	10	5	4	3	1	1					
1971																95	66	34	28	26	24	18	11	15	14	10	8	5	3	4	2	2				
1972																3	112	77	28	24	29	24	22	7	8	7	5	4	6	2	2	2	4			
1973																	51	40	15	23	20	29	36	25	23	27	22	17	10	11	10	1	3	2		
1974																	91	51	21	12	10	19	24	18	30	30	19	11	9	6	8	5	1			
1975																	60	58	30	9	14	17	19	29	35	29	19	13	15	6	2	2	6	1	1	
1976																	2	114	48	39	18	13	20	29	15	20	16	6	6	8	6	5	1			
1977		1					1	7	3	30	10	4	40	122	42	8	14	8	7	8	11	17	11	7	5	1	3	1						1		
1978						1		9	6	27	28	29	20	26	40	41	19	10	11	21	13	15	9	10	7	8	7	3	1	2	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	9131	100.00	12	9.0	202	8782	96.18	24	290.0	199	694	7.60
1	0.37	1	9131	100.00	13	12.0	1250	8580	93.97	25	390.0	158	495	5.42
2	0.49	0	9130	99.99	14	16.0	1616	7330	80.28	26	520.0	106	337	3.69
3	0.66	0	9130	99.99	15	21.0	1496	5714	62.58	27	690.0	85	231	2.53
4	0.88	1	9130	99.99	16	28.0	639	4218	46.19	28	920.0	54	146	1.60
5	1.2	4	9129	99.98	17	38.0	482	3579	39.20	29	1200.0	41	92	1.01
6	1.6	2	9125	99.93	18	51.0	524	3097	33.92	30	1600.0	30	51	0.56
7	2.1	20	9123	99.91	19	68.0	492	2573	28.18	31	2200.0	10	21	0.23
8	2.8	23	9103	99.69	20	91.0	389	2081	22.79	32	2900.0	8	11	0.12
9	3.8	76	9080	99.44	21	120.0	376	1692	18.53	33	3900.0	1	3	0.03
10	5.0	63	9004	98.61	22	160.0	370	1316	14.41	34	5200.0	2	2	0.02
11	6.7	159	8941	97.92	23	220.0	252	946	10.36					

## 03356000 BEAMBLOSSOM CREEK AT DOLAN, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 10.6  
 P90 = 13.2  
 P75 = 17.5  
 P70 = 18.9  
 P50 = 26.4  
 P25 = 81.6  
 P10 = 229.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1955	2.70 4	3.30 4	5.00 4	7.50 4	7.80 2	8.10 2	8.30 2	8.40 2	10.00 1
1956	11.00 11	11.00 10	11.00 10	12.00 11	12.00 6	14.00 7	15.00 9	17.00 10	33.00 18
1957	8.60 8	8.90 8	9.60 8	10.00 8	11.00 3	13.00 3	14.00 6	15.00 6	18.00 7
1958	1.10 2	1.19 1	2.90 2	9.30 5	13.00 7	15.00 10	16.00 10	18.00 11	51.00 22
1959	9.60 9	12.00 13	14.00 19	26.00 24	41.00 24	48.00 24	52.00 24	63.00 24	76.00 24
1960	3.60 6	3.70 5	5.00 5	7.10 3	13.00 8	19.00 20	20.00 18	21.00 17	27.00 15
1961	2.60 3	2.70 3	2.90 3	3.70 2	11.00 4	18.00 16	20.00 19	21.00 18	23.00 11
1962	2.80 5	3.70 6	6.50 6	9.30 6	16.00 18	18.00 17	19.00 17	20.00 16	20.00 8
1963	5.20 7	6.20 7	9.20 7	17.00 21	21.00 23	21.00 21	22.00 20	22.00 19	23.00 12
1964	17.00 24	17.00 24	18.00 24	18.00 23	19.00 22	22.00 22	22.00 21	23.00 20	23.00 13
1965	11.00 12	12.00 14	12.00 11	12.00 9	14.00 13	15.00 11	16.00 11	16.00 7	17.00 5
1966	16.00 23	16.00 23	16.00 23	17.00 22	17.00 21	18.00 18	18.00 15	19.00 14	29.00 17
1967	12.00 16	12.00 15	12.00 12	13.00 12	15.00 16	16.00 14	16.00 12	17.00 8	20.00 9
1968	15.00 22	15.00 20	15.00 20	15.00 18	16.00 19	18.00 19	19.00 16	19.00 15	20.00 10
1969	14.00 20	15.00 21	15.00 21	15.00 19	17.00 20	22.00 23	23.00 23	29.00 22	56.00 23
1970	15.00 21	15.00 22	15.00 22	15.00 20	15.00 17	16.00 15	17.00 14	40.00 23	47.00 21
1971	12.00 17	13.00 16	13.00 18	13.00 13	13.00 9	13.00 4	13.00 3	14.00 4	17.00 6
1972	11.00 13	11.00 11	12.00 13	12.00 10	13.00 10	13.00 5	13.00 4	14.00 5	16.00 4
1973	12.00 14	13.00 17	13.00 14	13.00 14	14.00 14	15.00 12	16.00 13	18.00 12	28.00 16
1974	13.00 18	13.00 18	13.00 15	14.00 17	14.00 15	15.00 13	15.00 7	18.00 13	39.00 19
1975	13.00 19	13.00 19	13.00 16	13.00 15	13.00 11	14.00 8	22.00 22	26.00 21	47.00 20
1976	12.00 15	12.00 12	13.00 17	13.00 16	14.00 12	15.00 9	15.00 8	17.00 9	27.00 14
1977	10.00 10	10.00 9	10.00 9	10.00 7	11.00 5	13.00 6	13.00 5	13.00 3	13.00 3
1978	0.37 1	2.20 2	2.70 1	3.30 1	4.40 1	5.10 1	5.80 1	6.20 1	10.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1954	326.00 25	270.00 25	184.00 25	136.00 25	83.00 25	55.00 25	47.00 25	39.00 25	30.00 25
1955	1080.00 22	854.00 22	516.00 22	340.00 22	286.00 23	252.00 17	199.00 20	174.00 18	128.00 19
1956	1640.00 15	1010.00 20	600.00 21	333.00 23	310.00 20	224.00 22	204.00 18	195.00 13	153.00 13
1957	3630.00 3	2670.00 3	1590.00 3	845.00 4	513.00 6	452.00 3	358.00 3	294.00 4	230.00 6
1958	2600.00 10	2060.00 9	1200.00 7	888.00 3	552.00 5	340.00 8	292.00 7	252.00 9	226.00 8
1959	3430.00 5	2180.00 8	1120.00 9	651.00 12	584.00 3	413.00 6	320.00 5	281.00 7	217.00 10
1960	5500.00 1	3190.00 2	1450.00 5	744.00 8	410.00 15	252.00 18	197.00 21	174.00 19	173.00 11
1961	5230.00 2	3840.00 1	2180.00 1	1130.00 1	775.00 1	540.00 1	435.00 1	345.00 2	234.00 5
1962	1250.00 20	1110.00 17	644.00 19	431.00 19	378.00 16	234.00 20	193.00 22	160.00 23	126.00 20
1963	1500.00 18	1050.00 18	722.00 17	563.00 15	439.00 11	280.00 15	203.00 19	169.00 21	120.00 21
1964	2000.00 12	1540.00 12	868.00 14	456.00 18	376.00 17	299.00 12	210.00 16	163.00 22	115.00 23
1965	1020.00 23	725.00 24	494.00 24	377.00 21	305.00 21	240.00 19	191.00 23	150.00 24	105.00 24
1966	1720.00 14	1160.00 15	772.00 16	498.00 17	357.00 18	210.00 24	186.00 24	172.00 20	135.00 17
1967	2700.00 9	2360.00 6	1490.00 4	771.00 6	452.00 9	298.00 13	271.00 11	242.00 10	244.00 3
1968	3170.00 6	2570.00 4	1610.00 2	838.00 5	506.00 7	358.00 7	291.00 8	288.00 5	227.00 7
1969	3490.00 4	2510.00 5	1390.00 6	1050.00 2	644.00 2	440.00 4	311.00 6	310.00 3	224.00 9
1970	1230.00 21	949.00 21	639.00 20	428.00 20	300.00 22	218.00 23	208.00 17	178.00 16	150.00 16
1971	1590.00 16	1290.00 14	974.00 13	622.00 13	427.00 13	286.00 14	229.00 13	185.00 14	151.00 15
1972	1570.00 17	1130.00 16	859.00 15	686.00 10	447.00 10	305.00 10	233.00 12	184.00 15	134.00 18
1973	1810.00 13	1420.00 13	1060.00 11	622.00 14	482.00 8	435.00 5	330.00 4	286.00 6	253.00 2
1974	1260.00 19	1050.00 19	665.00 18	525.00 16	347.00 19	275.00 16	274.00 10	253.00 8	237.00 4
1975	3110.00 7	2260.00 7	1170.00 8	686.00 11	575.00 4	459.00 2	388.00 2	348.00 1	276.00 1
1976	1010.00 24	829.00 23	514.00 23	306.00 24	258.00 24	224.00 21	217.00 15	208.00 12	152.00 14
1977	3100.00 8	1710.00 11	1040.00 12	697.00 9	414.00 14	304.00 11	225.00 14	174.00 17	120.00 22
1978	2450.00 11	1790.00 10	1090.00 10	746.00 7	438.00 12	312.00 9	277.00 9	213.00 11	170.00 12

### ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1955	52.00	3
1956	86.00	11
1957	72.00	7
1958	165.00	21
1959	187.00	24
1960	82.00	9
1961	102.00	15
1962	131.00	18
1963	71.00	6
1964	59.00	4
1965	62.00	5
1966	76.00	8
1967	126.00	17
1968	97.00	12
1969	169.00	22
1970	100.00	14
1971	98.00	13
1972	49.00	2
1973	142.00	20
1974	135.00	19
1975	181.00	23
1976	105.00	16
1977	45.00	1
1978	83.00	10

**ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30**

1954	20.00	25
1955	71.00	20
1956	95.00	12
1957	125.00	10
1958	162.00	1
1959	128.00	8
1960	103.00	11
1961	128.00	9
1962	77.00	17
1963	71.00	21
1964	67.00	22
1965	66.00	23
1966	77.00	18
1967	133.00	5
1968	133.00	6
1969	136.00	4
1970	84.00	16
1971	86.00	14
1972	76.00	19
1973	157.00	2
1974	131.00	7
1975	153.00	3
1976	84.00	15
1977	65.00	24
1978	92.00	13

NORMAL MONTHLY MEANS (ALL DAYS)

[illegible]

## WABASH RIVER BASIN

03356000 BEANBLOSSOM CREEK AT DOLAN, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
14.80	17.30	23.60	25.10	42.70	118.00
FIFTIETH PERCENTILE					
19.10	25.40	39.50	107.00	132.00	201.00
SEVENTY FIFTH PERCENTILE					
22.80	60.00	165.00	141.00	221.00	289.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
136.00	51.20	20.60	16.10	14.10	14.30
FIFTIETH PERCENTILE					
216.00	88.50	32.50	19.50	17.19	16.50
SEVENTY FIFTH PERCENTILE					
301.00	259.00	104.00	47.30	20.80	23.00

## 03357000 WHITE RIVER AT SPENCER, IN

LOCATION.--Lat 39°16'49", long 86°45'42", in NE¼NE¼ sec.29, T.10 N., R.3 W., Owen County, Hydrologic Unit 05120202, on right bank on downstream side of highway bridge at Spencer, 3.3 mi upstream from McBrides Creek, and at mile 165.9.

DRAINAGE AREA.--2,988 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1925 to September 1971 (discontinued). Monthly discharge only for some periods, published in WSP 1305. Prior to October 1948, published as West Fork White River at Spencer. Gage-height records collected since July 1925 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 526.04 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 26, 1940, nonrecording gage at same site and datum.

REMARKS.--Natural flow of stream affected by storage reservoirs.

AVERAGE DISCHARGE.--46 years, 2,961 ft<sup>3</sup>/s, 13.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharges, 59,400 ft<sup>3</sup>/s May 15, 1933, Jan. 16, 1937; gage height, 23.2 ft; minimum daily, 135 ft<sup>3</sup>/s Sept. 30, Oct. 1, 1941.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1926								5	6	5	9	20	39	19	30	23	18	27	19	23	20	15	17	13	16	14	4	7	6	2	3	3	1	1		
1927							4	10	10	11	25	15	17	16	29	31	36	20	14	22	17	20	13	18	13	11	4	2	3	1	3					
1928							8	3	11	17	23	14	16	12	18	25	42	33	28	27	23	9	9	5	8	12	12	11								
1929						1	15	11	14	20	12	20	17	11	16	11	30	27	18	19	22	18	18	15	6	8	8	6	17	5						
1930					6	22	29	33	15	8	11	21	19	15	9	19	17	20	12	18	20	14	12	5	10	4	2	5	7	3		3	6			
1931				4	19	89	49	49	27	13	9	20	16	20	9	19	6	4	4	5		1	2													
1932				6	19	15	16	23	28	15	13	16	26	32	21	21	15	9	17	11	14	15	9	6	2	3	5	6	3							
1933							1	18	30	24	16	16	19	17	16	15	25	22	17	17	19	18	16	11	11	8	12	4	4	5	1	1	1	1		
1934				13	11	12	37	61	61	33	24	40	13	13	9	9	8	5	5	3	2	3	1	2												
1935				4	51	19	24	57	30	10	20	15	19	21	16	20	12	7	12	4	3	4	3	4	1	2	2	5								
1936			5	24	20	32	34	14	17	40	23	20	17	13	18	12	10	16	12	9	5	4	7	5	4		1	3	1							
1937				3	7	6	18	24	32	17	24	20	17	13	20	19	23	20	25	11	14	6	7	10	7	7	4	4	2		3	1	1			
1938							3	15	21	25	35	19	34	24	29	15	16	22	15	11	11	14	8	11	9	6	10	4	2	6						
1939						5	15	33	27	24	18	11	24	25	29	17	20	24	14	14	11	9	7	6	7	6	5	2	4	2	3	3				
1940				21	32	34	50	56	18	11	15	10	11	15	26	10	8	8	13	7	10	2	1	1			2	1	3	1						
1941	12	43	30	37	25	35	52	56	17	19	10	9	2	4	5	2	1	2	2	2																
1942	2	1		3	8	2	10	43	37	42	19	16	14	28	19	16	19	16	16	6	9	6	5	7	10	4	3	3	1							
1943				6	19	11	7	18	20	27	22	47	36	24	26	22	15	15	7	5	6	1	4	1	6	4	3	2			1	2	1			
1944				9	26	105	53	19	16	12	10	4	9	3	10	8	21	18	7	8	5	2	2	5	5	2	1	2		2	2					
1945				21	60	46	3	4	24	5	2	18	13	26	12	15	26	19	9	7	11	7	7	5	7	5	4	2	4	3						
1946						7	19	7	12	9	27	26	25	25	30	26	21	18	21	18	22	19	7	7	12	4	3									
1947			1	19	19	23	12	22	12	41	17	23	17	17	15	17	15	17	14	19	19	10	11	2	7	8	8									
1948						18	31	41	42	27	38	17	16	17	13	15	11	14	16	9	5	9	2	6	2	4	8	3			2					
1949				9	18	20	22	9	16	23	18	28	25	36	17	22	22	17	11	8	4	8	5	2	10	8	3	4								
1950						5	24	33	17	20	16	18	10	29	19	20	13	23	22	21	14	7	7	3	9	4	5	6	6	7	4	2	1			
1951							11	19	17	10	28	22	24	26	14	25	19	15	24	21	23	16	8	12	12	8	5	3	3							
1952						10	17	20	23	16	10	14	13	19	22	20	29	13	23	17	15	20	17	15	11	10	6	4	2							
1953						3	20	57	15	5	7	18	25	36	29	35	26	21	24	10	5	7	6	5	6	1	2	2								
1954				15	28	102	40	26	12	15	17	22	16	21	8	10	10	6	9	2	3	1	1													
1955				17	10	24	39	23	13	20	12	30	29	18	20	9	22	16	21	12	10	4	11	5												
1956						6	6	8	3	26	26	33	16	24	21	25	26	25	41	17	16	13	7	7	7	3	5	1	2	1	1					
1957				3	40	14	17	14	9	16	23	9	13	28	23	34	13	13	11	11	19	10	11	8	5	4	4	5	4	2	2					
1958						4	5	4	8	2	15	26	30	37	39	50	21	30	15	14	18	11	5	5	4	6	4	3	3	2	4					
1959						6	7	7	16	30	38	25	24	10	18	12	15	41	18	22	20	11	7	6	4	2	3	4	2							
1960						3	20	24	21	24	21	21	47	29	29	40	25	19	7	6	9	4	5	6	1	3										
1961						54	62	27	21	15	27	10	18	18	17	6	9	8	10	6	9	7	8	6	9	5	4	4	1	2	1	1				
1962							3	40	30	15	42	15	48	33	29	21	12	20	14	7	10	2	6	5	2	6	4	1								
1963						6	19	20	68	72	24	34	13	12	19	11	9	4	9	4	8	6	7	3	3	3	2	4	1							
1964				19	95	39	32	11	17	13	29	11	10	5	9	11	8	10	7	8	2	3	4	6	3	2	3	1		2	3	1	2			
1965				17	33	32	48	14	24	26	25	15	16	11	17	18	13	12	6	3	5	5	6	12	3	3	1									
1966			1	10	10	16	17	71	46	43	19	26	17	21	15	18	10	6	4	3	5	3	2	2												
1967			1	17	40	18	31	19	12	10	8	12	22	17	21	21	22	15	9	11	14	17	10	10	1	2										
1968						5	2	20	32	24	21	10	29	38	17	25	18	28	20	16	12	14	7	2	6	1	6	3	5	1	3	1				
1969								17	24	12	17	15	23	31	38	40	36	25	19	15	7	6	5	6	9	5	9	1	1	1	1	2				
1970								18	19	13	33	27	32	29	19	28	35	24	19	14	14	13	7	3	7	5	3	3								
1971								4	24	18	38	67	49	23	31	19	13	13	13	7	20	5	4	1	4	4	3		2	1	2					

## 03357000 WHITE RIVER AT SPENCER, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	16801	100.00	12	970.0	1082	10348	61.59	24	8400.0	270	1319	7.85
1	135.0	14	16801	100.00	13	1200.0	815	9266	55.15	25	10000.0	285	1049	6.24
2	160.0	49	16787	99.92	14	1400.0	1056	8451	50.30	26	12000.0	187	764	4.55
3	190.0	80	16738	99.63	15	1700.0	873	7395	44.02	27	14000.0	190	577	3.43
4	230.0	204	16658	99.15	16	2000.0	933	6522	38.82	28	17000.0	150	387	2.30
5	280.0	480	16454	97.93	17	2400.0	918	5589	33.27	29	21000.0	89	237	1.41
6	330.0	802	15974	95.08	18	2900.0	733	4671	27.80	30	25000.0	54	148	0.88
7	400.0	894	15172	90.30	19	3400.0	787	3938	23.44	31	29000.0	45	94	0.56
8	470.0	1135	14278	84.98	20	4100.0	577	3151	18.75	32	35000.0	35	49	0.29
9	570.0	1020	13143	78.23	21	4900.0	482	2574	15.32	33	42000.0	10	14	0.08
10	680.0	916	12123	72.16	22	5800.0	447	2092	12.45	34	50000.0	4	4	0.02
11	810.0	859	11207	66.70	23	7000.0	326	1645	9.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 331.0  
 P90 = 404.0  
 P75 = 628.0  
 P70 = 731.0  
 P50 = 1410.0  
 P25 = 3220.0  
 P10 = 6910.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1927	435.00 33	448.00 33	463.00 33	509.00 34	790.00 41	906.00 38	1180.00 40	1710.00 42	4610.00 45
1928	530.00 41	538.00 41	566.00 42	636.00 42	693.00 39	1090.00 41	1080.00 38	1170.00 38	1750.00 38
1929	330.00 22	338.00 22	362.00 22	401.00 24	469.00 27	611.00 30	806.00 35	936.00 34	1350.00 36
1930	315.00 18	335.00 21	345.00 21	350.00 21	373.00 19	467.00 18	671.00 26	844.00 32	2300.00 42
1931	260.00 10	260.00 9	263.00 7	279.00 10	292.00 7	302.00 4	330.00 5	325.00 4	338.00 2
1932	225.00 5	225.00 4	235.00 5	247.00 4	302.00 9	469.00 19	590.00 21	656.00 20	740.00 18
1933	253.00 9	261.00 10	274.00 11	297.00 11	440.00 24	735.00 36	976.00 37	1010.00 35	1160.00 32
1934	430.00 31	438.00 31	451.00 31	465.00 30	491.00 29	564.00 27	736.00 30	735.00 26	808.00 21
1935	247.00 8	252.00 7	265.00 8	276.00 8	287.00 6	319.00 6	353.00 7	421.00 10	505.00 8
1936	298.00 14	298.00 13	309.00 15	332.00 17	348.00 16	384.00 15	513.00 17	593.00 18	703.00 16
1937	170.00 3	175.00 3	191.00 3	208.00 3	230.00 3	251.00 3	305.00 3	338.00 5	681.00 15
1938	625.00 43	686.00 43	701.00 43	737.00 43	911.00 43	1250.00 44	1400.00 43	1450.00 41	1610.00 37
1939	432.00 32	432.00 30	442.00 29	449.00 28	461.00 26	505.00 23	603.00 24	666.00 21	984.00 26
1940	304.00 15	304.00 15	307.00 14	316.00 14	329.00 11	379.00 13	391.00 11	383.00 8	519.00 9
1941	168.00 2	172.00 2	174.00 2	178.00 2	185.00 1	204.00 1	221.00 1	236.00 1	305.00 1
1942	135.00 1	136.00 1	137.00 1	143.00 1	185.00 2	212.00 2	253.00 2	308.00 2	461.00 6
1943	322.00 20	322.00 18	333.00 18	336.00 18	358.00 18	440.00 17	594.00 22	637.00 19	1110.00 31
1944	384.00 26	389.00 26	394.00 26	406.00 25	430.00 23	477.00 21	489.00 16	534.00 17	635.00 13
1945	231.00 6	260.00 8	272.00 9	275.00 7	285.00 5	311.00 5	320.00 4	321.00 3	357.00 3
1946	546.00 42	546.00 42	563.00 41	586.00 39	638.00 37	1100.00 42	1360.00 42	1870.00 43	1950.00 40
1947	328.00 21	334.00 20	338.00 20	343.00 20	376.00 20	404.00 16	437.00 14	521.00 16	790.00 20
1948	449.00 35	452.00 34	465.00 34	485.00 32	549.00 34	627.00 32	661.00 25	687.00 22	996.00 27
1949	370.00 24	373.00 24	376.00 23	397.00 22	426.00 22	508.00 25	588.00 20	837.00 31	1170.00 33
1950	418.00 27	423.00 28	434.00 28	458.00 29	521.00 32	695.00 34	779.00 34	801.00 29	977.00 25
1951	520.00 40	523.00 39	544.00 39	602.00 41	720.00 40	998.00 40	1310.00 41	1270.00 39	1770.00 39
1952	378.00 25	381.00 25	385.00 25	399.00 23	413.00 21	470.00 20	536.00 19	688.00 23	1080.00 30
1953	460.00 37	465.00 37	469.00 35	484.00 31	492.00 30	553.00 26	703.00 27	709.00 25	925.00 24
1954	292.00 13	299.00 14	301.00 13	312.00 12	331.00 13	361.00 10	371.00 9	372.00 6	499.00 7
1955	238.00 7	241.00 6	248.00 6	253.00 5	266.00 4	321.00 7	348.00 6	421.00 11	438.00 4
1956	270.00 11	271.00 11	272.00 10	279.00 9	322.00 10	506.00 24	872.00 36	1040.00 36	1330.00 34
1957	320.00 19	325.00 19	333.00 19	338.00 19	357.00 17	375.00 12	426.00 13	520.00 15	748.00 19
1958	443.00 34	454.00 35	472.00 36	537.00 37	820.00 42	914.00 39	1130.00 39	1390.00 40	3290.00 44
1959	832.00 45	848.00 45	888.00 45	919.00 45	1010.00 45	1240.00 43	1590.00 44	2000.00 44	2780.00 43
1960	352.00 23	360.00 23	376.00 24	412.00 26	479.00 28	594.00 29	746.00 32	826.00 30	1050.00 28
1961	420.00 28	420.00 27	431.00 27	443.00 27	449.00 25	480.00 22	514.00 18	513.00 13	557.00 11
1962	424.00 29	440.00 32	459.00 32	518.00 35	608.00 36	713.00 35	720.00 28	857.00 33	1050.00 29
1963	488.00 38	503.00 38	553.00 40	595.00 40	663.00 38	758.00 37	762.00 33	778.00 27	878.00 23
1964	310.00 16	310.00 16	311.00 16	316.00 13	338.00 14	359.00 9	366.00 8	374.00 7	446.00 5
1965	310.00 17	320.00 17	325.00 17	328.00 16	340.00 15	354.00 8	373.00 10	396.00 9	523.00 10
1966	430.00 30	430.00 29	447.00 30	493.00 33	506.00 31	572.00 28	603.00 23	696.00 24	708.00 17
1967	215.00 4	226.00 5	235.00 4	267.00 6	299.00 8	373.00 11	414.00 12	431.00 12	601.00 12
1968	278.00 12	282.00 12	298.00 12	317.00 15	330.00 12	381.00 14	463.00 15	518.00 14	656.00 14
1969	515.00 39	527.00 40	532.00 38	543.00 38	568.00 35	615.00 31	739.00 31	1090.00 37	1340.00 35
1970	670.00 44	690.00 44	743.00 44	800.00 44	927.00 44	1300.00 45	1750.00 45	2220.00 45	2280.00 41
1971	456.00 36	459.00 36	475.00 37	519.00 36	530.00 33	629.00 33	724.00 29	797.00 28	866.00 22



## 03357000 WHITE RIVER AT SPENCER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1926	42800.00 7	39100.00 7	32000.00 8	21400.00 6	14700.00 10	8970.00 19	6560.00 25	5700.00 25	5510.00 15
1927	39700.00 11	38000.00 8	31200.00 9	19800.00 10	15500.00 7	10800.00 9	10500.00 4	9550.00 2	7910.00 3
1928	15800.00 39	15400.00 39	13700.00 36	9880.00 34	7950.00 31	5690.00 33	5690.00 30	4910.00 32	4750.00 24
1929	23200.00 30	21400.00 30	19900.00 24	14100.00 23	10400.00 20	8940.00 20	7740.00 14	7390.00 11	7250.00 4
1930	41000.00 8	39700.00 6	36800.00 1	28500.00 2	18700.00 3	12800.00 4	10900.00 2	9070.00 4	6860.00 7
1931	6770.00 45	5230.00 45	3110.00 46	2790.00 45	2230.00 45	1880.00 45	1530.00 45	1420.00 45	1110.00 45
1932	24400.00 28	22700.00 26	20100.00 23	17100.00 17	12100.00 19	9280.00 16	7500.00 18	6250.00 21	4740.00 25
1933	50200.00 3	44500.00 4	32200.00 6	19900.00 9	13300.00 14	13100.00 3	10900.00 3	9140.00 3	8370.00 2
1934	9120.00 43	8760.00 43	7040.00 42	4610.00 43	3590.00 43	2560.00 43	1960.00 44	1660.00 44	1430.00 44
1935	18600.00 37	18600.00 35	17400.00 28	13300.00 26	8150.00 30	5260.00 37	4320.00 39	3810.00 38	2870.00 39
1936	21200.00 34	19900.00 32	15500.00 32	9340.00 36	6500.00 39	5480.00 36	4590.00 37	3710.00 39	2740.00 40
1937	50200.00 4	45500.00 3	36700.00 3	28500.00 3	20000.00 2	13600.00 2	10100.00 5	8990.00 5	6830.00 8
1938	34800.00 17	33000.00 15	23600.00 18	22500.00 5	17700.00 4	12700.00 5	9570.00 8	8630.00 7	6930.00 6
1939	34800.00 18	32300.00 17	24100.00 17	15500.00 20	10000.00 22	9200.00 17	8650.00 10	7150.00 12	5310.00 17
1940	22700.00 31	20600.00 31	17100.00 30	10700.00 32	7170.00 36	4410.00 41	3650.00 41	3130.00 41	2310.00 41
1941	4400.00 46	4170.00 46	3530.00 45	2580.00 46	1710.00 46	1030.00 46	956.00 46	835.00 46	728.00 46
1942	21300.00 33	19000.00 34	14500.00 35	9330.00 37	7480.00 34	6340.00 29	5870.00 29	4990.00 31	4170.00 30
1943	55900.00 1	50600.00 1	35500.00 4	27100.00 4	16600.00 5	9530.00 13	8240.00 12	6750.00 14	5360.00 16
1944	40500.00 9	37100.00 9	28500.00 10	18700.00 12	12900.00 15	9030.00 18	7170.00 19	5840.00 23	4020.00 32
1945	28500.00 22	27400.00 21	21600.00 20	13300.00 27	8280.00 29	6930.00 26	6570.00 24	6470.00 18	4890.00 23
1946	15000.00 40	13800.00 40	12300.00 40	8770.00 40	6670.00 38	5570.00 35	5420.00 33	4850.00 34	4580.00 28
1947	22500.00 32	19800.00 33	17100.00 31	11900.00 29	8970.00 28	8440.00 23	7110.00 20	5830.00 24	5000.00 20
1948	29600.00 20	27500.00 20	22300.00 19	15900.00 18	15100.00 9	9640.00 12	7580.00 17	6400.00 19	4900.00 22
1949	28500.00 21	26300.00 22	21000.00 21	18300.00 13	15500.00 6	11400.00 6	9290.00 9	8120.00 8	6090.00 10
1950	50400.00 2	46500.00 2	36800.00 2	32700.00 1	25200.00 1	18800.00 1	14900.00 1	12700.00 1	9230.00 1
1951	23900.00 29	22500.00 27	18500.00 27	14100.00 24	9490.00 24	7610.00 24	6990.00 21	6680.00 15	6050.00 11
1952	24900.00 26	22300.00 28	17200.00 29	15000.00 21	10300.00 21	8590.00 22	8130.00 13	7400.00 10	6200.00 9
1953	17700.00 38	17000.00 38	13300.00 38	9080.00 38	7230.00 35	5220.00 38	5060.00 35	4370.00 35	3740.00 34
1954	8450.00 44	7600.00 44	5670.00 44	4660.00 42	3840.00 42	2740.00 42	2310.00 42	1990.00 43	1560.00 43
1955	9520.00 41	9070.00 41	7840.00 41	5950.00 41	5490.00 41	4640.00 40	3930.00 40	3700.00 40	3020.00 38
1956	34300.00 19	28700.00 19	19200.00 26	11600.00 30	7730.00 32	6080.00 32	5120.00 34	5420.00 28	4590.00 27
1957	35600.00 15	33600.00 14	25300.00 14	17600.00 16	12300.00 18	10300.00 10	9900.00 6	8870.00 6	6970.00 5
1958	36200.00 14	36200.00 12	32100.00 7	20900.00 7	12400.00 16	9820.00 11	7630.00 16	6630.00 16	5180.00 19
1959	27000.00 24	25400.00 23	20200.00 22	12700.00 28	12300.00 17	9290.00 15	7650.00 15	7140.00 13	5620.00 14
1960	28000.00 23	22900.00 25	13500.00 37	9000.00 39	6490.00 40	4790.00 39	4360.00 38	4000.00 37	3670.00 35
1961	45100.00 6	37000.00 10	25200.00 15	19300.00 11	15200.00 8	11400.00 7	9830.00 7	8120.00 9	5810.00 12
1962	24600.00 27	21400.00 29	14800.00 33	9970.00 33	8980.00 27	7240.00 25	6180.00 26	5170.00 29	4140.00 31
1963	38700.00 12	36500.00 11	27200.00 11	18300.00 14	14300.00 11	9330.00 14	6880.00 22	5510.00 26	3930.00 33
1964	47100.00 5	44400.00 5	33300.00 5	20600.00 8	13500.00 12	11300.00 8	8310.00 11	6510.00 17	4670.00 26
1965	18700.00 36	17200.00 37	12700.00 39	9510.00 35	7520.00 33	6270.00 30	5890.00 28	4860.00 33	3560.00 36
1966	9280.00 42	8950.00 42	6450.00 43	4190.00 44	3110.00 44	2200.00 44	2310.00 43	2160.00 42	1850.00 42
1967	35000.00 16	31400.00 18	25100.00 16	15000.00 22	9360.00 26	6150.00 31	5500.00 31	5470.00 27	5270.00 18
1968	40100.00 10	32600.00 16	25500.00 13	15800.00 19	9490.00 25	6830.00 27	6070.00 27	6160.00 22	5660.00 13
1969	38600.00 13	35500.00 13	26900.00 12	17900.00 15	13500.00 13	8940.00 21	6700.00 23	6340.00 20	4970.00 21
1970	20400.00 35	18500.00 36	14800.00 34	10700.00 31	7040.00 37	5590.00 34	5480.00 32	5030.00 30	4400.00 29
1971	26200.00 25	24900.00 24	19500.00 25	13900.00 25	9550.00 23	6640.00 28	4920.00 36	4290.00 36	3430.00 37

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1927	5590.00 45
1928	4020.00 38
1929	3480.00 31
1930	5560.00 44
1931	996.00 2
1932	2740.00 23
1933	3290.00 28
1934	2810.00 24
1935	905.00 1
1936	2280.00 12
1937	3470.00 29
1938	3550.00 33
1939	4030.00 39
1940	1810.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1926	4660.00 4
1927	5220.00 2
1928	3530.00 14
1929	4300.00 7
1930	3810.00 11
1931	770.00 45
1932	2880.00 26
1933	4900.00 3
1934	1050.00 43
1935	1710.00 39
1936	1590.00 40
1937	4160.00 8
1938	4560.00 5
1939	3080.00 21

## WABASH RIVER BASIN

03357000 WHITE RIVER AT SPENCER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	1090.00	3
1942	1540.00	4
1943	2500.00	17
1944	2820.00	25
1945	2270.00	11
1946	3970.00	37
1947	2080.00	10
1948	3480.00	30
1949	4260.00	40
1950	4720.00	41
1951	3930.00	36
1952	3520.00	32
1953	2600.00	18
1954	1540.00	5
1955	1620.00	6
1956	2650.00	21
1957	2350.00	14
1958	4960.00	43
1959	4810.00	42
1960	2640.00	20
1961	2310.00	13
1962	3770.00	35
1963	2450.00	15
1964	1820.00	9
1965	2660.00	22
1966	1720.00	7
1967	2480.00	16
1968	2840.00	26
1969	3710.00	34
1970	3170.00	27
1971	2600.00	19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	1320.00	41
1941	511.00	46
1942	2480.00	32
1943	3350.00	18
1944	2260.00	35
1945	2730.00	29
1946	3060.00	22
1947	3030.00	23
1948	2870.00	27
1949	3590.00	13
1950	5300.00	1
1951	3670.00	12
1952	3840.00	10
1953	2360.00	33
1954	963.00	44
1955	1870.00	38
1956	3340.00	19
1957	3960.00	9
1958	4380.00	6
1959	3490.00	15
1960	2550.00	30
1961	3200.00	20
1962	2760.00	28
1963	2340.00	34
1964	2540.00	31
1965	2090.00	37
1966	1190.00	42
1967	3000.00	24
1968	3490.00	16
1969	3410.00	17
1970	2880.00	25
1971	2160.00	36

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1926	1527.0	7956.0	2794.0	3138.0	5941.0	4434.0	9019.0	1898.0	1140.0	801.00	3169.0	14670.0
1927	6311.0	3005.0	2307.0	5367.0	8507.0	11350.0	9334.0	8819.0	4409.0	1201.0	1383.0	901.00
1928	1607.0	1031.0	6627.0	3561.0	6780.0	2756.0	5277.0	1864.0	7630.0	3645.0	1221.0	537.00
1929	722.00	1537.0	2164.0	7785.0	3731.0	5737.0	6120.0	9729.0	4705.0	7533.0	1102.0	487.00
1930	476.00	1674.0	5902.0	17640.0	6683.0	4506.0	4471.0	1988.0	1037.0	585.00	320.00	416.00
1931	310.00	296.00	393.00	317.00	422.00	1408.0	2146.0	943.00	653.00	1004.0	329.00	1021.0
1932	819.00	2158.0	5110.0	11790.0	4752.0	2133.0	1596.0	1417.0	1442.0	1278.0	767.00	1231.0
1933	1165.0	2946.0	6249.0	8009.0	3420.0	9729.0	9428.0	12890.0	2107.0	870.00	712.00	953.00
1934	875.00	569.00	1168.0	861.00	590.00	2557.0	2492.0	745.00	687.00	474.00	898.00	593.00
1935	406.00	318.00	404.00	1133.0	595.00	2103.0	1456.0	7925.0	2361.0	2388.0	784.00	470.00
1936	355.00	850.00	720.00	1059.0	3939.0	5082.0	3401.0	2252.0	654.00	411.00	242.00	274.00
1937	482.00	3278.0	903.00	19760.0	6962.0	3110.0	5729.0	3002.0	2361.0	1337.0	1681.0	1430.0
1938	2110.0	1048.0	6152.0	2073.0	5603.0	10160.0	12880.0	3326.0	4626.0	4880.0	1329.0	692.00
1939	469.00	732.00	790.00	2911.0	7128.0	8944.0	9315.0	2122.0	1808.0	1661.0	1119.0	401.00
1940	370.00	426.00	396.00	640.00	1728.0	1825.0	6388.0	2211.0	1141.0	404.00	258.00	222.00
1941	190.00	296.00	501.00	467.00	577.00	466.00	820.00	362.00	1686.0	377.00	188.00	243.00
1942	443.00	911.00	947.00	807.00	6115.0	5904.0	5549.0	2485.0	4312.0	1108.0	799.00	824.00
1943	360.00	2122.0	2112.0	2088.0	2727.0	5647.0	2134.0	15310.0	3282.0	1460.0	1618.0	1122.0
1944	468.00	706.00	475.00	506.00	1442.0	5155.0	12640.0	3245.0	1236.0	493.00	506.00	375.00
1945	294.00	351.00	326.00	334.00	1268.0	6209.0	7484.0	4482.0	7505.0	1827.0	1422.0	1284.0
1946	3455.0	1899.0	2690.0	4752.0	4346.0	6558.0	1923.0	6063.0	2546.0	1192.0	787.00	431.00
1947	385.00	536.00	1474.0	3825.0	3306.0	2475.0	6758.0	6745.0	7010.0	1592.0	1627.0	771.00
1948	565.00	698.00	724.00	3814.0	2658.0	8839.0	10020.0	2701.0	1296.0	1877.0	795.00	517.00
1949	502.00	2297.0	3705.0	15100.0	7128.0	5410.0	2841.0	1801.0	1659.0	1304.0	883.00	606.00
1950	1194.0	610.00	2011.0	24090.0	13240.0	6745.0	5976.0	2471.0	2917.0	1945.0	723.00	2108.0
1951	1084.0	4435.0	5862.0	6238.0	8818.0	5046.0	5688.0	2656.0	1435.0	1988.0	690.00	488.00
1952	514.00	1722.0	5060.0	7398.0	7022.0	7706.0	6837.0	3137.0	3753.0	1368.0	697.00	1043.0
1953	545.00	664.00	1580.0	2405.0	2219.0	6957.0	3307.0	4649.0	1628.0	2798.0	1015.0	445.00
1954	364.00	376.00	399.00	751.00	973.00	1755.0	3679.0	1244.0	931.00	448.00	401.00	287.00
1955	600.00	422.00	608.00	3219.0	2283.0	5337.0	3811.0	1821.0	1589.0	1593.0	557.00	571.00
1956	1990.0	6048.0	2178.0	1000.0	6819.0	4160.0	4322.0	4696.0	5378.0	2444.0	825.00	566.00
1957	366.00	441.00	1195.0	2375.0	3169.0	2803.0	12230.0	8035.0	6951.0	7849.0	1428.0	978.00
1958	1170.0	2983.0	10360.0	3363.0	1645.0	2370.0	2491.0	3780.0	11970.0	4536.0	5911.0	1761.0
1959	1186.0	3002.0	2164.0	6614.0	9138.0	5554.0	4812.0	5200.0	2201.0	1015.0	861.00	538.00
1960	971.00	1527.0	2383.0	3677.0	5913.0	2727.0	2795.0	2186.0	4553.0	2595.0	837.00	600.00

## 03357000 WHITE RIVER AT SPENCER, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1961	460.00	517.00	572.00	563.00	1075.0	10770.0	9020.0	9096.0	2952.0	1282.0	1194.0	760.00
1962	665.00	1077.0	1317.0	5723.0	3934.0	8247.0	2176.0	2585.0	1258.0	3665.0	1091.0	1300.0
1963	900.00	822.00	699.00	854.00	746.00	12960.0	5000.0	2188.0	1421.0	1027.0	816.00	446.00
1964	343.00	416.00	351.00	534.00	596.00	8597.0	13020.0	2953.0	1130.0	1727.0	509.00	395.00
1965	341.00	409.00	495.00	1369.0	4755.0	5142.0	7344.0	2048.0	999.00	868.00	544.00	1038.0
1966	664.00	562.00	591.00	1792.0	2658.0	1681.0	1629.0	2647.0	827.00	549.00	395.00	439.00
1967	416.00	1751.0	8611.0	2480.0	3692.0	6290.0	4482.0	5413.0	1305.0	608.00	532.00	330.00
1968	624.00	641.00	5953.0	2755.0	8346.0	3249.0	5326.0	7974.0	3217.0	1474.0	1862.0	699.00
1969	571.00	1373.0	3510.0	8161.0	8573.0	2076.0	5556.0	2275.0	1812.0	4327.0	1804.0	1275.0
1970	2393.0	4633.0	2443.0	2236.0	5397.0	4066.0	6728.0	3154.0	1434.0	949.00	903.00	559.00
1971	798.00	1021.0	1161.0	1543.0	8903.0	4590.0	1410.0	2419.0	2193.0	1021.0	658.00	711.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
401.00	531.00	604.00	965.00	1707.00	2557.00
FIFTIETH PERCENTILE					
568.00	966.00	1527.00	2618.00	3937.00	5082.00
SEVENTY FIFTH PERCENTILE					
1104.00	2131.00	3559.00	5852.00	6855.00	6745.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
2568.00	2067.00	1236.00	870.00	582.00	444.00
FIFTIETH PERCENTILE					
5302.00	2668.00	1808.00	1304.00	821.00	597.00
SEVENTY FIFTH PERCENTILE					
7449.00	5074.00	3753.00	1988.00	1302.00	1025.00

## 03357350 PLUM CREEK NEAR BAINBRIDGE, IN

LOCATION.--Lat 39°45'42", long 86°43'46", in SW¼SE¼ sec.3, T.15 N., R.3 W., Putnam County, Hydrologic Unit 05120203, on right upstream wingwall of bridge on U.S. Highway 36, 0.5 mi west of Groveland, and 4.5 mi east of Bainbridge.

DRAINAGE AREA.--3.00 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 828.44 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

AVERAGE DISCHARGE.--16 years, 3.72 ft<sup>3</sup>/s, 16.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 744 ft<sup>3</sup>/s June 30, 1977, gage height, 5.75 ft; no flow at times during 1970, 1975-77, 1983-85.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
1970	NUMBER OF DAYS IN CLASS																																					
1971	7	1	4	26	12	12	9	6	7	12	25	29	32	35	25	24	19	13	18	14	9	9	4	1	1	4	2	2	1	1	1							
1972		25	20	8	5	3	9	16	26	21	24	11	11	13	28	18	29	22	22	15	14	8	3	7	1	3	1		2					1				
1973				4	3	3	1	3	4	7	5	9	19	24	14	43	35	24	32	46	23	20	17	6	5	7	4	2	3	1	1							
1974				4	30	3	6	14	13	11	15	9	8	9	9	14	15	24	25	34	32	20	24	13	6	6	8	7	5		1							
1975	8	39	17	22	2	1	16	8	7	9	3	4	4	19	19	22	17	19	30	26	24	18	12	6	1	4	4	1	2	1								
1976	13	51	26	59	11	9	8	4	4	3	7	9	18	26	19	12	14	17	15	12	9	4	4	4	4	3	2	1	2									
1977	53	47	25	25	18	12	14	12	9	12	10	14	15	11	15	19	13	7	9	4	4	4	4	5				1	1	1	1							
1978				17	4	5	6	3	8	6	19	8	24	47	34	37	30	16	20	13	19	10	6	8	8	8	3	2	1		2				1			
1979				10		2	1	17	18	10	7	15	24	32	35	28	26	18	23	14	18	16	14	13	9	2	5	2	2	3					1			
1980				38	16	8	3	8	6	14	17	10	30	33	22	21	29	15	23	16	23	10	9	4	5	4	2											
1981				21	2	16	15	23	20	21	19	15	28	24	31	23	23	12	7	19	12	9	12	3	1	3	3	2	1									
1982					1	7	13	8	13	22	30	34	35	21	27	23	12	23	24	17	14	6	16	7	4	4			2			2						
1983	29	15	8	8	4	8	15	10	9	7	8	12	10	18	24	29	48	26	18	25	8	7	5	3	1	3	3	2			2							
1984	83	8	3	14	2	4	11	8	5	8	12	12	10	16	17	23	26	25	21	13	9	11	4	11	3	4	1		2									
1985	8	18	7	20	3	3	3	18	12	13	18	20	23	15	20	25	27	21	15	12	21	10	8	7	5	3	2	5		2			2		1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	233	5844	100.00	12	0.49	305	3700	63.31	24	18.0	59	236	4.04
1	0.01	217	5611	96.01	13	0.66	372	3395	58.09	25	24.0	63	177	3.03
2	0.02	125	5394	92.30	14	0.89	347	3023	51.73	26	32.0	46	114	1.95
3	0.03	320	5269	90.16	15	1.2	391	2676	45.79	27	43.0	27	68	1.16
4	0.05	95	4949	84.69	16	1.6	416	2285	39.10	28	58.0	18	41	0.70
5	0.06	97	4854	83.06	17	2.2	298	1869	31.98	29	78.0	11	23	0.39
6	0.08	137	4757	81.40	18	2.9	336	1571	26.88	30	110.0	8	12	0.21
7	0.11	165	4620	79.06	19	3.9	310	1235	21.13	31	140.0	2	4	0.07
8	0.15	161	4455	76.23	20	5.3	261	925	15.83	32	190.0	2	2	0.03
9	0.20	171	4294	73.48	21	7.2	187	664	11.36	33				
10	0.27	207	4123	70.55	22	9.7	132	477	8.16	34				
11	0.36	216	3916	67.01	23	13.0	109	345	5.90					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.01  
P90 = 0.03  
P75 = 0.17  
P70 = 0.28  
P50 = 0.98  
P25 = 3.2  
P10 = 8.3

## 03357350 PLUM CREEK NEAR BAINBRIDGE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.03 3	0.04 3	0.25 3
1972	0.02 9	0.02 9	0.02 7	0.03 9	0.15 12	0.24 12	0.33 9	0.35 8	1.60 11
1973	0.01 6	0.01 6	0.00 2	0.02 6	0.06 9	0.14 7	0.21 7	0.93 10	1.40 9
1974	0.03 10	0.04 13	0.05 14	0.11 14	0.23 13	0.28 13	0.52 12	1.19 12	3.30 15
1975	0.02 7	0.02 7	0.02 8	0.03 7	0.03 6	0.12 6	0.19 6	0.21 6	1.19 7
1976	0.00 2	0.00 2	0.00 3	0.00 2	0.01 5	0.01 4	0.02 2	0.03 2	0.23 2
1977	0.00 3	0.00 3	0.00 4	0.00 3	0.00 2	0.00 2	0.00 1	0.00 1	0.03 1
1978	0.03 11	0.04 14	0.04 13	0.05 11	0.11 10	0.16 8	1.19 14	1.70 13	2.20 12
1979	0.03 12	0.03 10	0.03 9	0.03 8	0.04 7	0.23 11	0.77 13	1.10 11	1.60 10
1980	0.07 15	0.09 15	0.14 15	0.19 15	0.38 15	0.68 15	1.80 15	2.40 15	2.50 14
1981	0.03 13	0.03 11	0.03 10	0.04 10	0.04 8	0.17 9	0.24 8	0.26 7	0.42 4
1982	0.03 14	0.03 12	0.04 11	0.07 12	0.33 14	0.45 14	0.50 11	0.70 9	1.30 8
1983	0.02 8	0.02 8	0.04 12	0.08 13	0.15 11	0.18 10	0.35 10	1.70 14	2.30 13
1984	0.00 4	0.00 4	0.00 5	0.00 4	0.00 3	0.01 5	0.04 4	0.14 4	0.56 6
1985	0.00 5	0.00 5	0.00 6	0.00 5	0.00 4	0.00 3	0.13 5	0.17 5	0.55 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	89.00 10	39.00 12	26.00 11	17.00 10	12.00 11	8.50 12	7.30 9	7.20 7	5.70 9
1971	119.00 7	50.00 10	38.00 4	22.00 6	16.00 6	10.00 7	7.00 11	6.20 10	5.50 10
1972	151.00 4	74.00 4	38.00 5	21.00 8	12.00 12	7.30 15	5.90 14	4.90 15	4.70 13
1973	119.00 8	67.00 5	33.00 8	22.00 7	13.00 9	10.00 8	8.40 7	7.20 8	7.60 4
1974	95.00 9	55.00 7	34.00 7	25.00 4	16.00 7	12.00 5	11.00 1	10.00 1	9.00 1
1975	82.00 12	52.00 9	26.00 12	16.00 13	13.00 10	11.00 6	10.00 4	9.50 2	7.50 6
1976	54.00 15	29.00 15	16.00 14	12.00 14	9.70 15	7.40 14	5.80 15	5.00 14	3.50 15
1977	86.00 11	34.00 14	15.00 15	12.00 15	6.40 16	4.50 16	3.80 16	3.90 16	3.10 16
1978	193.00 1	90.00 2	50.00 2	37.00 2	22.00 2	13.00 3	10.00 5	8.90 6	7.60 5
1979	192.00 2	86.00 3	43.00 3	39.00 1	23.00 1	16.00 1	11.00 2	9.40 3	9.00 2
1980	36.00 16	22.00 16	14.00 16	12.00 16	10.00 13	8.50 13	6.10 13	5.50 13	4.70 14
1981	69.00 14	35.00 13	29.00 9	23.00 5	17.00 4	9.80 9	7.10 10	6.40 9	5.10 12
1982	136.00 5	53.00 8	29.00 10	17.00 11	15.00 8	12.00 4	10.00 6	9.30 4	7.10 7
1983	121.00 6	60.00 6	37.00 6	19.00 9	17.00 5	9.50 10	7.40 8	6.00 11	5.80 8
1984	75.00 13	39.00 11	25.00 13	16.00 12	10.00 14	8.60 11	6.70 12	5.60 12	5.20 11
1985	189.00 3	113.00 1	55.00 1	30.00 3	19.00 3	14.00 2	11.00 3	9.10 5	7.70 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	3.30 6
1972	2.80 4
1973	4.70 12
1974	5.90 15
1975	4.70 13
1976	2.50 3
1977	0.70 1
1978	4.60 10
1979	4.50 9
1980	4.70 11
1981	1.40 2
1982	4.90 14
1983	4.00 7
1984	3.00 5
1985	4.10 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	3.90 8
1971	3.10 10
1972	2.90 11
1973	5.70 1
1974	5.30 3
1975	4.00 7
1976	1.90 15
1977	1.60 16
1978	5.00 4
1979	5.70 2
1980	2.70 14
1981	2.80 12
1982	4.60 5
1983	3.20 9
1984	2.80 13
1985	4.40 6

## WABASH RIVER BASIN

03357350 PLUM CREEK NEAR BAINBRIDGE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	*	*	*	*	*	*	*	*	*	*	*	*
1970	5.68	8.30	2.05	3.64	4.37	5.98	9.71	5.94	0.69	3.77	1.30	2.47
1971	0.06	1.04	0.89	0.89	17.10	3.98	0.92	3.58	1.58	6.88	0.03	0.00
1972	0.28	0.21	11.50	2.51	2.02	2.77	8.97	0.58	3.95	0.17	0.24	1.09
1973	2.49	13.30	7.37	4.29	3.53	11.00	6.43	1.04	6.53	9.09	3.09	0.25
1974	0.33	6.24	8.95	13.50	6.44	8.42	4.51	7.68	6.24	0.36	0.12	0.33
1975	0.16	1.46	5.48	11.40	11.10	8.21	7.19	1.83	1.14	0.04	0.06	0.01
1976	0.01	0.77	1.88	4.08	7.86	5.55	0.93	0.14	0.33	0.42	0.90	0.01
1977	0.01	0.02	0.01	0.00	1.20	4.41	1.83	2.26	5.30	3.35	0.18	0.60
1978	5.32	1.54	11.80	2.27	0.76	19.10	3.83	7.28	2.07	1.69	3.50	0.18
1979	0.38	1.78	5.09	2.53	11.40	14.80	7.98	1.44	1.75	12.90	7.90	0.70
1980	0.75	4.35	3.70	2.03	3.53	8.85	5.52	0.86	1.76	0.05	1.23	0.36
1981	0.19	0.25	0.49	0.16	4.66	1.46	2.54	16.10	1.62	2.76	2.36	1.14
1982	0.49	0.56	2.29	10.50	9.65	9.31	6.46	3.26	2.02	4.84	5.21	0.38
1983	0.15	1.66	16.40	1.21	3.10	2.62	5.17	5.48	1.50	0.49	0.04	0.01
1984	0.25	2.71	7.16	0.55	3.16	8.99	7.70	2.14	0.22	0.61	0.00	0.01
1985	0.39	6.28	5.05	3.61	14.60	9.85	6.27	3.14	0.93	0.25	2.82	0.26

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.15	0.61	1.92	0.97	3.11	4.09
------	------	------	------	------	------

## FIFTIETH PERCENTILE

0.31	1.60	5.07	2.52	4.51	8.31
------	------	------	------	------	------

## SEVENTY FIFTH PERCENTILE

0.69	5.77	8.55	4.24	10.70	9.71
------	------	------	------	-------	------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

2.86	1.14	0.98	0.21	0.09	0.01
------	------	------	------	------	------

## FIFTIETH PERCENTILE

5.89	2.70	1.68	0.61	0.90	0.33
------	------	------	------	------	------

## SEVENTY FIFTH PERCENTILE

7.57	5.82	3.48	4.30	2.95	0.65
------	------	------	------	------	------

## 03357420 BIG WALNUT CREEK AT GREENCASTLE, IN

LOCATION.--Lat 39°40'01", long 86°51'57", in NW¼SW¼ sec.9, T.14 N., R.4 W., Putnam County, Hydrologic Unit 05120203, on left bank, 80 ft downstream from concrete dam at the Greencastle Waterworks, 0.2 mi downstream from Snyder Branch, 0.3 mi upstream from bridge on U.S. Highway 231, 1.1 mi north of Greencastle, and at mile 21.1.

DRAINAGE AREA.--216 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1974 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 665.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Sept. 9, 1979, water-stage recorder at site 110 ft upstream at same datum.

AVERAGE DISCHARGE.--8 years, 232 ft<sup>3</sup>/s, 14.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,500 ft<sup>3</sup>/s Mar. 4, 1979, gage height, 13.96 ft; minimum daily, 3.1 ft<sup>3</sup>/s Oct. 18, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 24.1 ft, from flood profile by State of Indiana, Department of Natural Resources.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1975							2	17	15	16	17	20	14	11	7	21	22	23	22	20	34	24	25	18	12	5	7	3	2	3	1	3		1	
1976					6	3	5	16	16	30	45	25	17	21	10	19	25	19	19	21	14	10	11	5	10	5	4	2	3	1	3	1			
1977		4	3	15	26	48	34	10	3	17	29	24	17	10	19	20	15	15	19	9	4	6	3	4	5	2	1	1	2						
1978								1				2	20	63	34	40	23	18	18	18	25	19	23	11	12	6	4	7	8	4	4	1	3		1
1979											10	16	16	26	30	33	36	38	25	21	14	19	30	14	8	8	5	2	2	3	5	2	1	1	
1980									6	12	15	24	23	17	31	43	31	38	17	23	19	17	12	9	7	12	3	4	1	1	1				
1981									5	28	32	25	28	43	27	34	20	23	20	9	12	10	10	11	9	5	4	2	3	2	1	2			
1982								9	5	11	9	13	21	37	28	22	16	28	26	18	19	23	18	17	10	7	4	6	7	8		3			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2922	100.00	12	37.0	157	2277	77.93	24	550.0	75	275	9.41
1	3.1	4	2922	100.00	13	46.0	234	2120	72.55	25	690.0	45	200	6.84
2	3.9	3	2918	99.86	14	58.0	172	1886	64.54	26	860.0	41	155	5.30
3	4.9	15	2915	99.76	15	72.0	220	1714	58.66	27	1100.0	26	114	3.90
4	6.1	32	2900	99.25	16	91.0	200	1494	51.13	28	1300.0	31	88	3.01
5	7.6	51	2868	98.15	17	110.0	195	1294	44.28	29	1700.0	22	57	1.95
6	9.6	41	2817	96.41	18	140.0	187	1099	37.61	30	2100.0	10	35	1.20
7	12.0	53	2776	95.00	19	180.0	133	912	31.21	31	2600.0	16	25	0.86
8	15.0	44	2723	93.19	20	220.0	145	779	26.66	32	3300.0	5	9	0.31
9	19.0	108	2679	91.68	21	280.0	130	634	21.70	33	4200.0	2	4	0.14
10	23.0	154	2571	87.99	22	350.0	137	504	17.25	34	5200.0	2	2	0.07
11	29.0	140	2417	82.72	23	440.0	92	367	12.56					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 12.0  
P90 = 20.8  
P75 = 41.9  
P70 = 49.8  
P50 = 94.1  
P25 = 240.0  
P10 = 530.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1976	11.00 3	11.00 3	13.00 3	13.00 2	15.00 2	19.00 2	22.00 2	32.00 2	48.00 2
1977	3.10 1	3.20 1	3.70 1	5.70 1	6.30 1	7.50 1	8.30 1	8.50 1	12.00 1
1978	7.70 2	8.40 2	9.70 2	22.00 4	29.00 4	39.00 4	70.00 5	78.00 5	102.00 5
1979	26.00 5	26.00 5	27.00 5	30.00 5	45.00 5	49.00 5	87.00 6	120.00 6	155.00 6
1980	29.00 7	32.00 7	36.00 7	42.00 7	62.00 7	85.00 7	120.00 7	211.00 7	217.00 7
1981	16.00 4	17.00 4	19.00 4	20.00 3	23.00 3	29.00 3	34.00 3	42.00 3	59.00 3
1982	27.00 6	30.00 6	34.00 6	41.00 6	52.00 6	59.00 6	59.00 4	69.00 4	96.00 4

03357420 BIG WALNUT CREEK AT GREENCASTLE, IN--Continued

YEAR	1		3		7		15		30		60		90		120		183	
1975	4200.00	3	2730.00	3	1600.00	5	939.00	6	745.00	6	640.00	5	580.00	3	556.00	3	466.00	2
1976	2760.00	6	1870.00	6	1270.00	6	1120.00	5	878.00	5	607.00	6	463.00	6	406.00	7	290.00	7
1977	1350.00	8	953.00	8	653.00	8	424.00	8	287.00	8	239.00	8	210.00	8	172.00	8	150.00	8
1978	5200.00	2	3780.00	1	2340.00	1	1970.00	1	1250.00	1	766.00	2	671.00	2	570.00	2	462.00	3
1979	5250.00	1	3550.00	2	2190.00	2	1500.00	2	979.00	4	681.00	3	498.00	4	420.00	4	454.00	4
1980	2600.00	7	1640.00	7	1070.00	7	820.00	7	718.00	7	602.00	7	446.00	7	412.00	5	367.00	5
1981	2960.00	5	1920.00	5	1730.00	4	1380.00	3	1010.00	3	646.00	4	467.00	5	407.00	6	317.00	6
1982	3000.00	4	2100.00	4	1790.00	3	1220.00	4	1090.00	2	826.00	1	689.00	1	603.00	1	471.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	217.00	3
1977	70.00	1
1978	241.00	4
1979	278.00	5
1980	317.00	6
1981	118.00	2
1982	335.00	7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	265.00	4
1976	176.00	7
1977	84.00	8
1978	326.00	1
1979	302.00	2
1980	238.00	5
1981	186.00	6
1982	279.00	3

[illegible]



## 03357500 BIG WALNUT CREEK NEAR REELSVILLE, IN

LOCATION.--Lat 39°32'11", long 86°58'35", in NW¼SW¼ sec.28, T.13 N., R.5 W., Putnam County, Hydrologic Unit 05120203, on left bank at downstream side of county highway bridge, 1.5 mi southwest of Reelsville, and 4.1 mi upstream from Mill Creek.

DRAINAGE AREA.--326 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1949 to September 1985. Published as Eel River near Reelsville, October 1952 to September 1956.

GAGE.--Water-stage recorder. Datum of gage is 588.24 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Dec. 10, 1949, nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Soil Conservation Service control structures on tributaries to Little Walnut Creek beginning in 1971.

AVERAGE DISCHARGE.--36 years, 350 ft<sup>3</sup>/s, 14.58 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,400 ft<sup>3</sup>/s June 28, 1957, gage height, 18.63 ft, from rating curve extended above 18,000 ft<sup>3</sup>/s on basis of slope-conveyance method; minimum daily, 1.4 ft<sup>3</sup>/s Sept. 8, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34						
1950											3	9	5	NUMBER OF DAYS IN CLASS										29	22	23	22	23	18	26	24	17	12	5	4	7	8	2	1	1	1
1951											1	7	9	16	11	8	27	28	33	46	36	38	29	21	19	13	8	6	4	2	3										
1952											3	14	15	22	22	19	12	24	29	54	25	25	26	19	14	15	10	6	2	4	4		2								
1953									2	29	9	23	32	29	32	30	29	18	32	29	23	16	12	10	3	4	1	1		1											
1954	1	1	1	15	4	4	9	49	64	33	26	12	14	23	23	23	20	11	13	7	8	1	2	1																	
1955					3	5	2	22	9	32	42	17	14	15	16	21	23	28	23	27	27	13	12	6	5	1	1	1													
1956										9	12	14	29	27	18	35	25	31	28	33	38	19	18	9	7	4	3	3	2	1	1										
1957							4	15	6	14	11	12	22	9	18	20	24	40	37	28	16	27	18	12	8	5	7	3	3	1	2	1					2				
1958										9	6	2	3	11	32	38	54	63	46	30	17	12	13	11	5	4	1	2	2	2	1	1									
1959								4	10	5	14	5	32	39	39	34	12	29	21	29	30	20	21	10	3		2	3		2	1										
1960										19	13	18	17	11	30	22	20	33	54	43	35	16	14	8	7	1	1	1	1			2									
1961									9	51	20	48	29	32	21	27	23	11	15	14	9	13	10	11	9	6		2		1	1	1	1	1	1						
1962													22	20	36	31	33	39	43	41	38	15	13	13	6	4	3	1	1		4		2								
1963							1	6	14	10	21	37	63	58	26	19	13	25	11	11	8	11	12	1	3	1	1				1				1						
1964			3	3	21	28	28	48	21	13	10	5	27	29	25	11	8	12	11	11	17	6	9	4	6	5				1	3		1								
1965				11	17	16	15	8	16	22	24	29	13	22	19	27	16	18	24	21	12	12	6	8	6	1	1			1											
1966				3	10	10	13	18	17	12	60	34	33	21	33	23	29	20	10	4	6	4	2	2	1																
1967					3	31	22	23	14	20	14	9	11	22	20	25	33	22	28	19	18	11	10	2	3	1	1	3													
1968					1	4			7	15	19	13	39	37	23	35	30	17	18	19	24	18	15	13	3	4	4	2	2	2	1				1						
1969								4	24	13	16	11	6	25	39	38	56	39	28	15	9	19	6	4	4	3	1	2	2	1											
1970								6	10	16	11	21	15	31	17	17	17	34	42	41	24	20	14	14	4	4	4	1	2												
1971									6	2	7	25	21	55	52	30	36	36	20	19	24	7	9	4	3	3	2	2	1	1											
1972									6	9	11	48	45	16	11	24	37	30	29	24	26	17	12	7	4	5	1	3													
1973												12	16	13	21	33	36	40	29	41	42	25	25	7	13	4	6	1			1										
1974										2	5	7	16	25	36	24	15	15	30	39	40	29	21	17	14	12	6	9	3												
1975										3	16	30	33	17	14	12	22	25	22	44	47	29	20	10	7	5	4	1	3	1											
1976										8	17	35	53	31	38	23	32	25	17	29	18	12	10	8	4	3	1	2													
1977								22	28	58	17	24	43	28	29	29	19	21	12	12	7	3	5	4	2	1	1														
1978													19	66	45	42	31	29	34	25	20	14	10	4	10	7	3	3	3												
1979														21	7	24	44	40	56	33	27	21	26	20	13	8	6	6	6	2	3	2									
1980													2	21	24	24	33	46	57	31	38	30	17	17	9	10	3	1	3												
1981													17	38	33	58	44	29	42	24	14	18	10	12	12	2	6	2	4												
1982													11	12	8	18	48	38	31	29	28	26	35	23	17	11	9	7	10	1	3										
1983										1	21	40	31	16	17	6	11	22	35	51	37	25	16	12	7	3	4	3	3	3	1										
1984										6	31	19	10	29	13	21	25	24	29	41	29	28	19	12	12	9	3	2	2	2											
1985													14	18	25	22	30	42	29	36	37	23	23	14	10	15	10	6	5	1	4	1									

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13149	100.00	12	32.0	678	11268	85.69	24	940.0	349	978	7.44
1	1.4	1	13149	100.00	13	42.0	854	10590	80.54	25	1300.0	189	629	4.78
2	1.9	1	13148	99.99	14	56.0	836	9736	74.04	26	1700.0	146	440	3.35
3	2.5	4	13147	99.98	15	74.0	999	8900	67.69	27	2200.0	98	294	2.24
4	3.3	35	13143	99.95	16	98.0	985	7901	60.09	28	2900.0	74	196	1.49
5	4.4	57	13108	99.69	17	130.0	987	6916	52.60	29	3900.0	62	122	0.93
6	5.8	64	13051	99.25	18	170.0	1179	5929	45.09	30	5200.0	29	60	0.46
7	7.7	127	12987	98.77	19	230.0	1008	4750	36.12	31	6800.0	17	31	0.24
8	10.0	218	12860	97.80	20	300.0	937	3742	28.46	32	9100.0	8	14	0.11
9	13.0	386	12642	96.14	21	400.0	772	2805	21.33	33	12000.0	4	6	0.05
10	18.0	447	12256	93.21	22	540.0	584	2033	15.46	34	16000.0	2	2	0.02
11	24.0	541	11809	89.81	23	710.0	471	1449	11.02					

## 03357500 BIG WALNUT CREEK NEAR REELSVILLE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 14.9  
 P90 = 23.7  
 P75 = 53.9  
 P70 = 67.5  
 P50 = 144.0  
 P25 = 349.0  
 P10 = 775.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1951	19.00 21	20.00 22	21.00 21	28.00 23	32.00 22	98.00 33	188.00 34	182.00 34	265.00 32
1952	17.00 16	17.00 17	21.00 22	26.00 21	29.00 19	32.00 18	49.00 21	86.00 24	162.00 27
1953	18.00 20	19.00 20	20.00 19	29.00 24	32.00 23	43.00 22	43.00 17	46.00 13	53.00 9
1954	10.00 11	10.00 10	10.00 9	10.00 7	11.00 7	13.00 5	14.00 5	17.00 5	29.00 6
1955	1.40 1	2.10 1	3.00 1	3.70 1	4.50 1	6.60 2	9.70 2	16.00 4	18.00 1
1956	7.80 6	7.90 6	8.00 5	8.20 5	9.30 5	19.00 10	47.00 20	70.00 20	100.00 17
1957	8.60 7	8.70 7	9.50 7	10.00 8	12.00 8	17.00 9	22.00 8	29.00 8	84.00 14
1958	20.00 22	20.00 21	20.00 20	22.00 19	32.00 24	53.00 25	87.00 27	115.00 28	421.00 35
1959	50.00 34	53.00 33	56.00 33	56.00 33	60.00 31	88.00 31	105.00 31	157.00 31	253.00 31
1960	10.00 8	11.00 11	12.00 10	14.00 11	18.00 12	31.00 15	44.00 18	57.00 17	76.00 12
1961	11.00 12	12.00 12	12.00 11	12.00 9	13.00 10	16.00 8	19.00 7	22.00 7	27.00 4
1962	13.00 13	13.00 13	14.00 13	15.00 13	25.00 17	40.00 20	47.00 19	58.00 19	85.00 15
1963	34.00 29	34.00 29	36.00 29	42.00 30	45.00 27	63.00 27	74.00 25	77.00 22	127.00 21
1964	4.40 4	4.80 4	5.20 4	6.00 4	7.50 4	9.30 4	10.00 3	11.00 2	29.00 5
1965	3.20 2	3.20 2	3.70 2	4.20 2	4.70 2	5.00 1	6.40 1	9.70 1	18.00 2
1966	17.00 17	17.00 18	19.00 17	21.00 16	22.00 15	29.00 14	35.00 13	36.00 10	50.00 8
1967	4.20 3	4.40 3	4.70 3	5.50 3	6.30 3	9.00 3	10.00 4	12.00 3	24.00 3
1968	7.30 5	7.70 5	8.20 6	9.40 6	10.00 6	15.00 6	30.00 10	42.00 12	61.00 11
1969	17.00 18	17.00 19	18.00 16	18.00 14	20.00 13	23.00 11	29.00 9	41.00 11	90.00 16
1970	28.00 28	29.00 28	30.00 26	35.00 25	45.00 28	97.00 32	160.00 33	162.00 32	213.00 30
1971	10.00 9	10.00 8	12.00 12	14.00 12	17.00 11	23.00 12	31.00 11	35.00 9	56.00 10
1972	27.00 26	28.00 26	30.00 27	38.00 26	41.00 25	45.00 23	52.00 22	57.00 18	122.00 19
1973	13.00 14	13.00 14	16.00 14	21.00 17	26.00 18	42.00 21	54.00 23	100.00 26	145.00 23
1974	48.00 32	49.00 32	52.00 32	53.00 31	60.00 32	75.00 28	83.00 26	125.00 30	269.00 33
1975	22.00 24	23.00 24	25.00 25	41.00 29	45.00 29	84.00 30	91.00 28	92.00 25	177.00 28
1976	21.00 23	22.00 23	23.00 23	26.00 20	30.00 20	36.00 19	41.00 15	54.00 15	84.00 13
1977	10.00 10	10.00 9	10.00 8	12.00 10	12.00 9	15.00 7	17.00 6	20.00 6	32.00 7
1978	28.00 27	28.00 27	31.00 28	40.00 28	48.00 30	58.00 26	102.00 30	110.00 27	145.00 24
1979	45.00 31	45.00 31	47.00 31	53.00 32	68.00 33	78.00 29	125.00 32	162.00 33	195.00 29
1980	60.00 35	62.00 35	66.00 35	79.00 35	117.00 35	143.00 35	214.00 35	328.00 35	323.00 34
1981	35.00 30	37.00 30	38.00 30	39.00 27	44.00 26	52.00 24	57.00 24	80.00 23	122.00 20
1982	50.00 33	57.00 34	62.00 34	74.00 34	92.00 34	103.00 34	101.00 29	118.00 29	160.00 25
1983	24.00 25	24.00 25	25.00 24	27.00 22	31.00 21	32.00 16	41.00 16	74.00 21	160.00 26
1984	17.00 19	17.00 15	18.00 15	22.00 18	22.00 16	27.00 13	33.00 12	48.00 14	131.00 22
1985	16.00 15	17.00 16	20.00 18	20.00 15	21.00 14	32.00 17	40.00 14	56.00 16	120.00 18

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	14500.00 2	9730.00 2	5240.00 2	4550.00 1	3060.00 1	2210.00 1	1720.00 1	1460.00 1	1060.00 2
1951	4540.00 25	2880.00 27	2110.00 27	1650.00 21	1060.00 24	845.00 23	794.00 17	772.00 14	668.00 12
1952	8140.00 12	4740.00 15	2780.00 16	1780.00 19	1350.00 16	1010.00 15	995.00 8	885.00 7	749.00 6
1953	5150.00 22	2930.00 26	1740.00 29	1110.00 31	905.00 29	629.00 29	543.00 30	459.00 31	374.00 31
1954	1080.00 36	786.00 36	550.00 36	465.00 35	351.00 35	263.00 35	214.00 35	183.00 36	137.00 36
1955	2240.00 34	1380.00 34	945.00 34	632.00 34	500.00 33	456.00 33	389.00 33	361.00 33	297.00 33
1956	6110.00 18	4060.00 19	2180.00 26	1470.00 23	975.00 28	744.00 26	617.00 26	598.00 23	508.00 23
1957	18600.00 1	13900.00 1	6670.00 1	3730.00 2	2370.00 2	1940.00 2	1690.00 2	1410.00 2	1070.00 1
1958	11500.00 6	7250.00 6	4160.00 6	2830.00 5	1620.00 10	1050.00 13	792.00 18	631.00 21	525.00 20
1959	10800.00 7	7590.00 5	4420.00 3	2340.00 9	1970.00 4	1360.00 3	1080.00 3	891.00 6	662.00 13
1960	8630.00 11	5560.00 10	2750.00 18	1430.00 26	814.00 30	563.00 32	484.00 32	442.00 32	457.00 27
1961	13300.00 3	8590.00 3	4270.00 4	3140.00 3	2020.00 3	1340.00 4	1050.00 5	832.00 9	569.00 18
1962	10100.00 8	5410.00 12	2860.00 15	1710.00 20	1250.00 20	1010.00 16	830.00 15	697.00 16	585.00 17
1963	13000.00 4	8380.00 4	4250.00 5	2560.00 7	1740.00 7	1140.00 12	824.00 16	640.00 19	445.00 29
1964	9300.00 9	6780.00 8	3810.00 8	2270.00 11	1450.00 13	1260.00 8	915.00 12	708.00 15	493.00 26
1965	4570.00 24	2400.00 30	1410.00 31	977.00 32	781.00 31	600.00 30	575.00 28	485.00 30	362.00 32

## 03357500 BIG WALNUT CREEK NEAR REELSVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	1380.00 35	1060.00 35	625.00 35	416.00 36	289.00 36	203.00 36	212.00 36	193.00 35	167.00 35
1967	4460.00 26	3990.00 21	2400.00 22	1340.00 29	775.00 32	594.00 31	540.00 31	511.00 28	494.00 24
1968	12200.00 5	6880.00 7	3790.00 9	2230.00 13	1270.00 19	969.00 18	758.00 20	695.00 17	712.00 10
1969	9070.00 10	6710.00 9	3920.00 7	2530.00 8	1810.00 6	1170.00 9	859.00 13	809.00 11	607.00 14
1970	4340.00 28	2700.00 29	1980.00 28	1370.00 27	982.00 27	697.00 27	649.00 23	631.00 20	528.00 19
1971	6100.00 19	3680.00 23	2760.00 17	1810.00 17	1330.00 18	864.00 22	615.00 27	550.00 27	449.00 28
1972	6090.00 20	4060.00 20	2340.00 24	1460.00 24	1060.00 25	673.00 28	552.00 29	496.00 29	516.00 21
1973	6910.00 14	4620.00 16	2570.00 20	1890.00 15	1340.00 17	1020.00 14	849.00 14	782.00 12	828.00 4
1974	4390.00 27	3800.00 22	2910.00 14	2290.00 10	1440.00 14	1150.00 11	1050.00 6	990.00 3	935.00 3
1975	6560.00 16	4200.00 18	2400.00 21	1430.00 25	1150.00 21	979.00 17	920.00 11	892.00 5	734.00 8
1976	3260.00 32	2290.00 31	1560.00 30	1340.00 28	1080.00 22	789.00 25	623.00 25	554.00 26	408.00 30
1977	2240.00 33	1630.00 33	1070.00 33	687.00 33	441.00 34	369.00 34	329.00 34	270.00 34	229.00 34
1978	6780.00 15	5520.00 11	3680.00 10	3100.00 4	1920.00 5	1160.00 10	1010.00 7	828.00 10	723.00 9
1979	7790.00 13	5320.00 13	3590.00 11	2720.00 6	1700.00 8	1280.00 6	935.00 10	777.00 13	827.00 5
1980	3310.00 31	2070.00 32	1380.00 32	1140.00 30	989.00 26	835.00 24	626.00 24	579.00 25	510.00 22
1981	3860.00 30	2810.00 28	2390.00 23	1940.00 14	1460.00 12	963.00 19	702.00 21	616.00 22	494.00 25
1982	4190.00 29	3100.00 24	2700.00 19	1830.00 16	1660.00 9	1280.00 7	1060.00 4	942.00 4	743.00 7
1983	5210.00 21	4320.00 17	3170.00 13	1780.00 18	1430.00 15	878.00 21	700.00 22	596.00 24	602.00 15
1984	4600.00 23	2980.00 25	2280.00 25	1610.00 22	1070.00 23	929.00 20	788.00 19	686.00 18	602.00 16
1985	6240.00 17	5170.00 14	3510.00 12	2260.00 12	1590.00 11	1310.00 5	980.00 9	846.00 8	698.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	471.00 28
1952	399.00 23
1953	303.00 15
1954	133.00 2
1955	137.00 3
1956	225.00 8
1957	269.00 13
1958	706.00 35
1959	483.00 29
1960	236.00 10
1961	228.00 9
1962	447.00 27
1963	322.00 16
1964	187.00 5
1965	241.00 11
1966	165.00 4
1967	209.00 7
1968	329.00 18
1969	424.00 25
1970	353.00 19
1971	300.00 14
1972	256.00 12
1973	509.00 30
1974	546.00 34
1975	516.00 32
1976	323.00 17
1977	112.00 1
1978	370.00 22
1979	427.00 26
1980	515.00 31
1981	204.00 6
1982	523.00 33
1983	355.00 20
1984	370.00 21
1985	413.00 24

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	640.00 1
1951	425.00 9
1952	453.00 7
1953	214.00 31
1954	76.00 36
1955	170.00 33
1956	305.00 21
1957	591.00 2
1958	424.00 10
1959	379.00 15
1960	279.00 25
1961	304.00 22
1962	385.00 14
1963	256.00 28
1964	253.00 29
1965	199.00 32
1966	96.00 35
1967	275.00 26
1968	405.00 13
1969	370.00 16
1970	354.00 18
1971	268.00 27
1972	300.00 23
1973	566.00 4
1974	573.00 3
1975	422.00 11
1976	249.00 30
1977	130.00 34
1978	478.00 6
1979	544.00 5
1980	350.00 19
1981	297.00 24
1982	443.00 8
1983	359.00 17
1984	346.00 20
1985	416.00 12

## 03357500 BIG WALNUT CREEK NEAR REELSVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	129.00	48.40	243.00	2947.0	1402.0	767.00	649.00	192.00	368.00	167.00	32.60	783.00
1951	124.00	531.00	703.00	665.00	1025.0	484.00	505.00	361.00	213.00	435.00	72.60	29.90
1952	59.90	193.00	533.00	726.00	624.00	1032.0	962.00	303.00	791.00	140.00	43.20	51.60
1953	37.70	65.90	59.50	139.00	194.00	860.00	371.00	368.00	136.00	257.00	58.50	14.50
1954	12.30	16.30	25.20	70.20	77.10	187.00	301.00	124.00	65.60	19.40	11.80	4.76
1955	31.20	18.30	53.20	292.00	275.00	456.00	412.00	186.00	148.00	102.00	25.60	48.20
1956	102.00	263.00	131.00	53.60	923.00	354.00	547.00	497.00	447.00	320.00	46.10	21.10
1957	17.00	40.90	258.00	376.00	406.00	260.00	1459.0	1382.0	2183.0	541.00	147.00	49.20
1958	93.70	441.00	1529.0	329.00	138.00	171.00	183.00	322.00	795.00	366.00	570.00	120.00
1959	84.30	261.00	171.00	1168.0	1116.0	684.00	523.00	260.00	144.00	69.00	102.00	20.70
1960	52.70	97.20	223.00	390.00	654.00	313.00	278.00	334.00	789.00	171.00	46.00	20.80
1961	13.30	23.10	31.30	40.00	87.00	891.00	999.00	1191.0	163.00	55.80	56.30	74.80
1962	48.10	169.00	170.00	902.00	432.00	1086.0	283.00	365.00	146.00	574.00	74.90	357.00
1963	114.00	83.80	46.10	93.10	87.10	1602.0	585.00	227.00	51.60	63.40	81.00	15.50
1964	7.55	13.70	9.71	91.40	65.10	1024.0	1433.0	250.00	83.80	46.40	13.20	5.48
1965	4.79	16.20	20.50	148.00	469.00	443.00	756.00	238.00	140.00	97.00	26.70	59.60
1966	30.00	29.50	59.40	189.00	219.00	151.00	216.00	168.00	44.70	36.40	9.49	9.41
1967	11.50	56.90	746.00	260.00	353.00	599.00	339.00	648.00	119.00	37.70	104.00	11.30
1968	39.40	59.50	1059.0	573.00	611.00	340.00	545.00	1072.0	380.00	70.10	72.70	27.40
1969	19.90	135.00	495.00	1301.0	754.00	231.00	673.00	177.00	164.00	297.00	100.00	123.00
1970	413.00	716.00	246.00	365.00	492.00	492.00	816.00	465.00	156.00	47.80	37.10	19.20
1971	40.60	114.00	105.00	120.00	1341.0	432.00	142.00	312.00	310.00	242.00	84.00	66.20
1972	47.90	41.50	879.00	405.00	211.00	313.00	1034.0	230.00	242.00	65.60	56.40	81.90
1973	205.00	1257.0	719.00	558.00	458.00	1211.0	770.00	212.00	609.00	524.00	210.00	62.00
1974	88.80	476.00	811.00	1322.0	572.00	886.00	676.00	1015.0	690.00	114.00	79.30	139.00
1975	58.50	211.00	477.00	926.00	1051.0	796.00	810.00	363.00	186.00	92.70	96.00	43.90
1976	32.90	95.70	315.00	365.00	896.00	614.00	159.00	69.50	156.00	168.00	76.70	59.20
1977	35.40	23.70	18.30	13.60	158.00	412.00	245.00	225.00	68.20	248.00	67.00	48.20
1978	345.00	138.00	942.00	263.00	157.00	1636.0	500.00	796.00	216.00	207.00	345.00	129.00
1979	88.00	186.00	325.00	337.00	676.00	1316.0	750.00	179.00	132.00	1221.0	1047.0	251.00
1980	148.00	495.00	433.00	287.00	354.00	859.00	637.00	150.00	301.00	99.50	324.00	120.00
1981	134.00	79.50	70.90	44.60	334.00	180.00	379.00	1423.0	258.00	308.00	180.00	168.00
1982	108.00	101.00	210.00	819.00	1142.0	1201.0	551.00	321.00	386.00	317.00	155.00	43.90
1983	32.00	91.20	1380.0	324.00	340.00	305.00	674.00	564.00	380.00	140.00	41.00	23.10
1984	66.20	229.00	696.00	142.00	559.00	932.00	820.00	409.00	150.00	87.50	34.60	35.30
1985	82.80	465.00	492.00	403.00	986.00	1037.0	772.00	296.00	174.00	105.00	169.00	56.30

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

31.40	43.20	62.30	140.00	213.00	320.00
-------	-------	-------	--------	--------	--------

## FIFTIETH PERCENTILE

55.60	99.10	252.00	333.00	464.00	607.00
-------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

107.00	253.00	701.00	642.00	861.00	1001.00
--------	--------	--------	--------	--------	---------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

347.00	215.00	141.00	69.30	41.50	20.90
--------	--------	--------	-------	-------	-------

## FIFTIETH PERCENTILE

568.00	317.00	180.00	140.00	73.80	48.70
--------	--------	--------	--------	-------	-------

## SEVENTY FIFTH PERCENTILE

772.00	489.00	380.00	305.00	136.00	110.00
--------	--------	--------	--------	--------	--------

## 03358000 MILL CREEK NEAR CATARACT, IN

LOCATION.--Lat 39°26'00", long 86°45'48", in NE¼SE¼ sec.32, T.12 N., R.3 W., Owen County, Hydrologic Unit 05120203, on right bank at downstream side of bridge on U.S. Highway 231, 3 mi east of Cataract, and at mile 17.5.

DRAINAGE AREA.--245 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1949 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 706.40 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1949, nonrecording gage, and Nov. 8, 1949, to Sept. 22, 1968, water-stage recorder at site 100 ft upstream at same datum.

AVERAGE DISCHARGE.--36 years, 263 ft<sup>3</sup>/s, 14.58 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,400 ft<sup>3</sup>/s June 24, 1960, gage height, 22.58 ft; minimum daily, 0.1 ft<sup>3</sup>/s Sept. 7, 28, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1950													6	15	8	40	21	32	28	19	20	24	26	28	31	14	10	7	7	10	8	6	4	1	
1951														7	23	13	21	25	29	21	34	35	42	29	29	10	12	14	11	2	5	3			
1952													2	20	49	10	2	14	25	19	24	22	37	35	28	18	18	10	12	11	3	5	2		
1953								2	3	3	5	5	27	37	17	18	12	30	23	22	27	23	29	31	19	12	8	4	4	2		2			
1954	2		8	5	6	3	1	2	6	20	32	62	50	15	25	17	18	26	19	17	7	14	5	2	2	1									
1955						1	4	1	1	10	18	66	23	9	20	13	22	22	25	26	26	22	19	10	10	3	6	5	2	1					
1956											11	6	13	10	16	23	19	23	41	43	32	25	25	25	17	9	5	9	5	5	2	2			
1957									1	2	21	19	14	16	19	16	16	21	20	29	39	26	31	20	14	4	10	6	8	7	2	4			
1958													15		4	8	22	25	68	59	37	35	22	22	8	14	9	2	8	2	3	2			
1959												6	8	14	28	10	18	60	27	22	32	41	21	22	17	15	8	5	7	1	2	1			
1960													22	17	16	10	21	20	62	48	38	31	23	21	14	5	4	7	3	1		1	1	1	
1961											8	33	22	22	61	37	26	18	23	21	14	16	10	10	11	9	5	5	6	2	2	3			
1962													2	22	37	20	14	18	36	49	35	34	27	21	12	10	7	4	6	5	4	2			
1963											2	13	18	21	9	23	29	76	52	33	24	12	7	9	13	7	4	4		3	3	1		2	
1964							6	7	14	21	41	45	27	12	22	22	22	25	17	17	12	16	7	5	6	5	2	5	3	2	3	2			
1965					2	4	2			6	28	20	18	27	17	32	20	19	22	16	26	26	25	15	11	8	8	9	2						
1966								2	8	17	15	19	54	32	29	27	19	21	37	26	20	12	12	7	1	2	1	2	1	1					
1967								1	15	24	28	23	28	19	15	6	13	21	42	26	23	25	19	5	11	7	5	5	1	3					
1968										3	1	3	40	5	11	20	29	67	35	25	18	15	20	14	18	15	7	5	4	5	3		1	2	
1969													7	19	11	23	15	23	22	33	58	35	30	19	18	18	9	6	5	4	4	4	2		
1970													6	37	16	24	16	19	22	21	38	34	41	23	18	17	10	8	7	3	4	1			
1971													10	13	16	32	29	48	38	34	35	27	22	20	18	4	4	2	6	2	3	2			
1972													12	22	49	36	21	31	29	53	25	22	15	17	10	6	6	2	6	4					
1973													7	13	10	6	12	28	59	29	27	44	35	27	15	16	12	11	12	2					
1974														13	9	35	27	19	14	21	34	44	38	29	16	20	12	12	17	3	2				
1975													8	23	29	17	7	29	24	19	22	29	27	34	40	17	11	9	7	6	4	2	1		
1976											1	7	12	33	59	25	21	21	24	43	23	19	24	19	11	6	11	5	1	1					
1977													26	29	40	55	32	33	18	30	24	13	17	11	10	8	7	5	1	2	4				
1978														1	9	14	22	68	42	39	32	28	26	23	13	14	11	5	5	7	4		2		
1979														2	7	2	18	30	39	51	46	31	33	21	17	16	13	8	8	9	9	3	2		
1980																9	19	47	41	63	38	28	28	28	14	22	14	7	4	2	2				
1981																	21	75	53	53	32	26	21	20	14	14	10	3	6	8	8	1			
1982															5	17	21	30	39	37	26	35	28	16	12	7	9	8	7	1					
1983										3	18	13	19	13	13	33	9	20	14	16	32	33	47	31	16	10	4	2	7	4	6	2			
1984								1	6			1	19	29	20	25	19	15	20	17	31	22	43	35	20	15	10	6	3	4	3	2			
1985													3	8	9	14	19	19	29	42	46	31	30	30	19	21	13	10	4	9	3	4	2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13149	100.00	12	4.6	463	12673	96.38	24	300.0	702	2417	18.38
1	0.10	2	13149	100.00	13	6.5	635	12210	92.86	25	430.0	452	1715	13.04
2	0.14	0	13147	99.98	14	9.3	562	11575	88.03	26	600.0	352	1263	9.61
3	0.20	8	13147	99.98	15	13.0	829	11013	83.76	27	860.0	260	911	6.93
4	0.28	5	13139	99.92	16	19.0	662	10184	77.45	28	1200.0	202	651	4.95
5	0.40	8	13134	99.89	17	26.0	893	9522	72.42	29	1700.0	188	449	3.41
6	0.57	8	13126	99.83	18	37.0	1045	8629	65.62	30	2400.0	136	261	1.98
7	0.81	15	13118	99.76	19	53.0	1082	7584	57.89	31	3400.0	81	125	0.95
8	1.2	16	13103	99.65	20	75.0	1263	6502	49.45	32	4900.0	34	44	0.33
9	1.6	49	13087	99.53	21	110.0	981	5239	39.84	33	6900.0	8	10	0.08
10	2.3	141	13038	99.16	22	150.0	988	4258	32.38	34	9800.0	2	2	0.02
11	3.3	224	12897	98.08	23	210.0	853	3270	24.87					

## 03358000 MILL CREEK NEAR CATARACT, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.3  
 P90 = 8.2  
 P75 = 22.4  
 P70 = 29.9  
 P50 = 73.5  
 P25 = 209.0  
 P10 = 580.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1951	6.10 20	6.10 20	6.20 19	8.90 21	9.90 18	24.00 24	80.00 31	106.00 31	142.00 30
1952	7.50 23	7.70 22	8.10 22	9.90 22	12.00 22	12.00 17	26.00 20	57.00 27	96.00 22
1953	4.90 13	5.00 12	5.20 12	5.40 11	5.80 11	6.60 9	11.00 11	20.00 16	34.00 12
1954	1.10 3	1.10 3	1.40 3	2.00 4	3.40 3	4.30 3	5.10 4	5.90 4	12.00 3
1955	0.10 1	0.17 1	0.20 1	0.27 1	0.91 1	1.80 1	2.60 1	5.00 3	6.00 1
1956	4.60 11	4.70 10	4.80 10	4.90 10	5.30 10	14.00 18	36.00 23	53.00 24	118.00 25
1957	2.20 7	2.30 7	3.40 8	3.70 8	3.90 8	4.80 6	7.50 7	9.40 6	36.00 13
1958	8.50 24	8.50 24	8.50 23	8.70 20	11.00 19	16.00 19	43.00 25	56.00 26	282.00 35
1959	25.00 34	27.00 34	34.00 35	38.00 35	42.00 33	92.00 35	104.00 34	155.00 34	188.00 32
1960	5.70 18	5.90 19	6.10 18	7.30 18	11.00 20	35.00 27	43.00 26	48.00 20	87.00 20
1961	3.90 9	4.20 9	4.50 9	4.60 9	4.90 9	7.60 11	11.00 12	14.00 11	21.00 7
1962	6.20 21	6.50 21	6.90 21	7.30 19	12.00 21	31.00 26	33.00 22	37.00 18	41.00 15
1963	9.70 26	11.00 29	13.00 29	15.00 29	25.00 28	46.00 29	43.00 27	51.00 21	122.00 27
1964	1.50 6	1.50 4	1.50 4	1.60 2	3.60 5	4.30 4	4.70 3	4.70 2	14.00 5
1965	0.40 2	0.50 2	1.00 2	1.80 3	2.90 2	3.10 2	3.40 2	3.70 1	12.00 2
1966	5.00 14	5.20 14	6.00 16	6.30 14	7.20 15	10.00 14	16.00 16	19.00 13	38.00 14
1967	1.40 4	1.50 5	1.80 5	2.70 5	3.90 6	4.50 5	6.70 6	8.60 5	13.00 4
1968	2.40 8	2.60 8	3.00 7	3.20 7	3.90 7	6.30 8	9.10 8	11.00 8	26.00 10
1969	5.30 16	5.30 16	5.80 14	6.50 15	6.70 13	7.50 10	12.00 13	19.00 14	66.00 18
1970	10.00 27	10.00 25	11.00 26	13.00 27	17.00 26	25.00 25	55.00 29	135.00 33	132.00 28
1971	5.70 19	5.80 18	6.10 17	7.00 17	7.30 16	8.50 13	10.00 9	13.00 9	22.00 8
1972	5.40 17	5.70 17	6.30 20	12.00 24	14.00 23	18.00 21	19.00 17	20.00 15	48.00 16
1973	7.30 22	7.80 23	9.70 24	10.00 23	15.00 24	21.00 23	28.00 21	55.00 25	96.00 23
1974	9.30 25	10.00 26	11.00 25	13.00 25	19.00 27	20.00 22	23.00 18	52.00 22	240.00 33
1975	15.00 31	17.00 31	20.00 31	21.00 31	30.00 31	58.00 32	100.00 33	88.00 30	143.00 31
1976	4.50 10	5.20 15	5.90 15	6.70 16	7.50 17	11.00 15	13.00 14	15.00 12	24.00 9
1977	4.70 12	4.90 11	5.20 11	5.60 12	5.90 12	7.70 12	11.00 10	13.00 10	17.00 6
1978	10.00 28	11.00 27	12.00 27	17.00 30	29.00 29	47.00 30	75.00 30	71.00 29	86.00 19
1979	12.00 30	12.00 30	14.00 30	14.00 28	45.00 34	74.00 34	97.00 32	122.00 32	137.00 29
1980	29.00 35	30.00 35	32.00 34	37.00 34	45.00 35	65.00 33	154.00 35	255.00 35	263.00 34
1981	20.00 32	22.00 33	23.00 32	24.00 32	29.00 30	36.00 28	42.00 24	42.00 19	92.00 21
1982	21.00 33	21.00 32	23.00 33	28.00 33	33.00 32	49.00 31	49.00 28	64.00 28	108.00 24
1983	11.00 29	11.00 28	12.00 28	13.00 26	15.00 25	16.00 20	25.00 19	52.00 23	119.00 26
1984	1.40 5	1.60 6	2.20 6	2.90 6	3.50 4	5.60 7	6.30 5	9.80 7	31.00 11
1985	5.00 15	5.10 13	5.40 13	6.00 13	6.80 14	12.00 16	15.00 15	22.00 17	50.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	8540.00 5	6780.00 5	3880.00 4	3280.00 1	2280.00 1	1670.00 1	1300.00 1	1100.00 1	798.00 2
1951	3680.00 26	2690.00 29	1840.00 26	1300.00 23	875.00 24	674.00 20	612.00 17	598.00 14	498.00 13
1952	6440.00 10	4870.00 12	2550.00 18	1670.00 13	999.00 20	849.00 12	764.00 8	693.00 6	608.00 5
1953	4630.00 18	3280.00 23	1710.00 28	1020.00 29	745.00 29	544.00 28	425.00 31	359.00 30	311.00 28
1954	646.00 36	423.00 36	301.00 36	249.00 36	188.00 36	133.00 36	108.00 36	92.00 36	69.00 36
1955	2660.00 33	1460.00 34	787.00 35	729.00 34	434.00 34	413.00 34	326.00 34	288.00 34	229.00 34
1956	6360.00 11	5060.00 10	2510.00 19	1320.00 22	846.00 26	609.00 25	484.00 24	454.00 23	398.00 23
1957	6860.00 7	5390.00 9	2920.00 11	1740.00 12	1170.00 12	1060.00 4	959.00 4	825.00 2	642.00 3
1958	5590.00 14	4930.00 11	2980.00 10	2000.00 9	1190.00 10	748.00 18	560.00 21	435.00 25	366.00 25
1959	5480.00 16	4000.00 18	2250.00 21	1260.00 25	1090.00 14	802.00 15	627.00 15	567.00 16	449.00 16
1960	10700.00 1	7950.00 1	3870.00 5	1970.00 10	1030.00 19	609.00 26	455.00 27	407.00 27	398.00 24
1961	9800.00 2	7290.00 3	3800.00 6	2360.00 4	1530.00 6	1140.00 3	960.00 3	740.00 4	499.00 12
1962	6000.00 12	4310.00 15	2360.00 20	1160.00 26	900.00 23	654.00 23	564.00 20	496.00 19	432.00 19
1963	8920.00 4	6690.00 6	3530.00 7	2120.00 7	1560.00 5	868.00 11	600.00 18	469.00 22	325.00 27
1964	5680.00 13	4650.00 14	2800.00 13	1600.00 14	1070.00 15	952.00 8	661.00 14	509.00 17	347.00 26
1965	3830.00 24	3050.00 25	1680.00 29	885.00 32	675.00 31	435.00 33	392.00 32	324.00 33	257.00 32

## 03358000 MILL CREEK NEAR CATARACT, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	2640.00	34	1840.00	33	982.00	33	525.00	35	328.00	35	239.00	35	206.00	35	188.00	35	146.00	35
1967	4600.00	19	4060.00	17	2720.00	14	1450.00	19	863.00	25	545.00	27	441.00	28	444.00	24	401.00	22
1968	9210.00	3	7530.00	2	4210.00	2	2260.00	5	1240.00	8	825.00	14	690.00	13	651.00	9	580.00	7
1969	6720.00	9	5760.00	8	3470.00	8	2250.00	6	1480.00	7	987.00	7	732.00	10	629.00	12	474.00	15
1970	3510.00	30	2530.00	30	1570.00	30	1040.00	27	757.00	28	519.00	29	509.00	23	499.00	18	406.00	21
1971	3830.00	25	2710.00	28	2200.00	22	1470.00	18	1060.00	16	658.00	22	480.00	26	385.00	29	307.00	29
1972	2850.00	32	2050.00	32	1400.00	32	1020.00	28	682.00	30	515.00	31	390.00	33	355.00	31	305.00	30
1973	4470.00	21	3570.00	21	2590.00	17	1480.00	17	1040.00	18	777.00	17	613.00	16	579.00	15	603.00	6
1974	3620.00	28	3240.00	24	2010.00	25	1500.00	16	1050.00	17	791.00	16	720.00	11	648.00	10	627.00	4
1975	4960.00	17	4070.00	16	2130.00	24	1270.00	24	994.00	21	841.00	13	806.00	5	706.00	5	555.00	8
1976	2400.00	35	1370.00	35	925.00	34	754.00	33	639.00	32	511.00	32	438.00	29	393.00	28	288.00	31
1977	2940.00	31	2060.00	31	1490.00	31	960.00	31	601.00	33	519.00	30	433.00	30	335.00	32	254.00	33
1978	6760.00	8	5820.00	7	4070.00	3	2800.00	2	1570.00	4	922.00	10	793.00	7	635.00	11	542.00	9
1979	7800.00	6	7160.00	4	4740.00	1	2480.00	3	2130.00	2	1410.00	2	1020.00	2	781.00	3	836.00	1
1980	3580.00	29	2940.00	26	1780.00	27	990.00	30	810.00	27	665.00	21	482.00	25	487.00	21	435.00	18
1981	4310.00	22	3650.00	20	2880.00	12	2000.00	8	1570.00	3	992.00	6	698.00	12	625.00	13	478.00	14
1982	3640.00	27	2870.00	27	2600.00	16	1530.00	15	1190.00	11	946.00	9	805.00	6	687.00	7	524.00	11
1983	4560.00	20	3840.00	19	2660.00	15	1370.00	20	1100.00	13	641.00	24	518.00	22	429.00	26	438.00	17
1984	4190.00	23	3360.00	22	2180.00	23	1340.00	21	926.00	22	704.00	19	578.00	19	489.00	20	417.00	20
1985	5500.00	15	4830.00	13	2990.00	9	1750.00	11	1230.00	9	1010.00	5	736.00	9	685.00	8	535.00	10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	323.00	25
1952	342.00	28
1953	227.00	15
1954	102.00	2
1955	80.00	1
1956	262.00	20
1957	178.00	9
1958	432.00	34
1959	325.00	26
1960	216.00	13
1961	231.00	16
1962	314.00	24
1963	288.00	21
1964	112.00	4
1965	181.00	10
1966	117.00	5
1967	177.00	8
1968	217.00	14
1969	357.00	29
1970	244.00	19
1971	215.00	12
1972	139.00	6
1973	358.00	30
1974	402.00	31
1975	405.00	32
1976	185.00	11
1977	107.00	3
1978	288.00	22
1979	338.00	27
1980	499.00	35
1981	155.00	7
1982	429.00	33
1983	240.00	18
1984	232.00	17
1985	294.00	23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	448.00	2
1951	298.00	12
1952	399.00	4
1953	177.00	28
1954	37.00	36
1955	135.00	34
1956	293.00	16
1957	348.00	7
1958	294.00	14
1959	271.00	18
1960	251.00	21
1961	263.00	20
1962	308.00	10
1963	180.00	27
1964	176.00	29
1965	140.00	32
1966	79.00	35
1967	212.00	25
1968	318.00	9
1969	294.00	15
1970	234.00	23
1971	176.00	30
1972	186.00	26
1973	441.00	3
1974	382.00	5
1975	298.00	13
1976	165.00	31
1977	137.00	33
1978	350.00	6
1979	528.00	1
1980	286.00	17
1981	267.00	19
1982	307.00	11
1983	235.00	22
1984	226.00	24
1985	335.00	8

## 03358000 MILL CREEK NEAR CATARACT, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1950	61.20	19.50	216.00	2214.0	1085.0	570.00	396.00	118.00	342.00	38.20	27.10	325.00
1951	44.50	468.00	527.00	557.00	759.00	322.00	361.00	179.00	151.00	214.00	20.80	11.70
1952	67.70	430.00	678.00	762.00	457.00	766.00	549.00	166.00	773.00	79.90	14.90	50.20
1953	5.86	11.30	74.90	157.00	160.00	693.00	370.00	180.00	103.00	325.00	26.50	4.41
1954	4.94	6.48	8.21	44.70	41.10	111.00	148.00	35.10	38.10	6.84	3.72	0.91
1955	14.50	5.16	13.10	169.00	193.00	339.00	431.00	155.00	91.40	75.40	18.10	128.00
1956	245.00	793.00	130.00	37.30	857.00	230.00	382.00	351.00	341.00	172.00	12.90	10.60
1957	4.44	12.10	135.00	253.00	298.00	170.00	1009.0	745.00	1120.0	342.00	90.30	13.80
1958	37.20	285.00	1135.0	205.00	61.20	125.00	134.00	242.00	625.00	176.00	326.00	153.00
1959	93.10	313.00	129.00	496.00	798.00	456.00	434.00	260.00	182.00	27.90	71.80	35.20
1960	89.30	171.00	281.00	301.00	479.00	273.00	123.00	188.00	1024.0	55.90	39.90	13.40
1961	5.40	14.50	24.60	30.60	122.00	1132.0	673.00	955.00	41.40	33.80	53.80	49.70
1962	12.90	86.70	193.00	625.00	367.00	674.00	121.00	408.00	91.40	575.00	29.50	507.00
1963	37.50	65.10	27.70	72.70	60.40	1425.0	257.00	66.60	21.80	34.00	61.10	4.80
1964	4.71	5.78	4.05	32.10	41.90	803.00	1064.0	88.70	25.10	45.00	4.83	3.41
1965	2.88	4.46	8.98	138.00	506.00	318.00	348.00	124.00	91.40	111.00	9.42	45.50
1966	9.68	12.10	42.00	182.00	301.00	142.00	137.00	86.90	16.20	9.89	4.05	16.70
1967	7.74	117.00	770.00	190.00	256.00	506.00	197.00	411.00	49.20	12.50	12.30	4.11
1968	33.30	44.90	603.00	450.00	458.00	323.00	490.00	1106.0	233.00	32.30	32.90	6.91
1969	10.30	134.00	523.00	1068.0	538.00	108.00	465.00	82.10	97.80	441.00	43.50	24.80
1970	99.10	426.00	146.00	347.00	375.00	396.00	588.00	338.00	71.80	16.70	11.10	8.17
1971	18.60	41.70	80.40	127.00	1088.0	274.00	74.50	143.00	187.00	102.00	25.70	23.40
1972	17.60	18.70	391.00	213.00	136.00	330.00	676.00	80.30	268.00	32.40	27.70	51.40
1973	119.00	936.00	482.00	410.00	277.00	940.00	582.00	111.00	592.00	736.00	85.80	21.30
1974	19.90	306.00	597.00	853.00	362.00	555.00	364.00	748.00	451.00	48.30	143.00	130.00
1975	41.20	180.00	359.00	774.00	920.00	734.00	393.00	97.20	66.70	19.00	22.00	9.86
1976	11.50	50.90	261.00	362.00	531.00	411.00	92.70	45.60	84.30	68.20	56.90	13.00
1977	15.40	20.40	12.60	6.55	364.00	526.00	211.00	228.00	31.80	154.00	57.30	36.00
1978	169.00	187.00	784.00	83.70	41.80	1420.0	263.00	613.00	70.20	206.00	237.00	70.90
1979	94.90	136.00	365.00	337.00	741.00	934.00	610.00	87.50	191.00	1694.0	1059.0	75.50
1980	62.50	531.00	399.00	257.00	269.00	720.00	439.00	81.70	173.00	87.40	305.00	105.00
1981	41.00	42.80	53.60	29.40	396.00	131.00	340.00	1522.0	150.00	263.00	133.00	101.00
1982	55.90	45.90	211.00	620.00	990.00	732.00	280.00	143.00	325.00	183.00	120.00	32.30
1983	16.40	98.20	1068.0	144.00	270.00	194.00	489.00	415.00	86.70	16.60	8.35	3.74
1984	17.80	150.00	401.00	95.20	351.00	750.00	616.00	219.00	46.60	41.20	8.92	19.00
1985	19.00	270.00	488.00	260.00	919.00	674.00	576.00	243.00	175.00	72.30	334.00	38.10

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
10.60	18.89	58.90	103.00	209.00	273.00

FIFTIETH PERCENTILE					
19.40	92.40	239.00	233.00	366.00	481.00

SEVENTY FIFTH PERCENTILE					
62.20	281.00	514.00	485.00	690.00	734.00

APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
223.00	90.80	67.60	32.70	13.40	10.00

FIFTIETH PERCENTILE					
388.00	180.00	127.00	73.80	31.20	24.10

SEVENTY FIFTH PERCENTILE					
569.00	394.00	311.00	200.00	89.20	66.00



## 03359000 MILL CREEK NEAR MANHATTAN, IN

LOCATION.--Lat 39°29'22", long 86°55'50", in SW¼SE¼ sec.11, T.12 N., R.5 W., Putnam County, Hydrologic Unit 05120203, on left bank 200 ft downstream from Cagles Mill, 0.7 mi downstream from Cagles Mill Lake, 0.8 mi upstream from Deer Creek, 5.8 mi south of Manhattan, and at mile 2.0.

DRAINAGE AREA.--294 mi<sup>2</sup>.

PERIOD OF RECORD.--May to September 1931 (fragmentary), October 1938 to September 1985. Monthly discharge only for some periods, published in MSP 1305.

GAGE.--No gage at present time. Datum of gage is 581.83 ft above National Geodetic Vertical Datum of 1929. May 12, 1941 to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph. See MSP 1725 for history of changes prior to May 12, 1941.

REMARKS.--Flow regulated by Cagles Mill Lake. Daily discharge computed from relation between discharge, head, and gate openings for Cagles Mill Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--47 years (1938 to 1985), 309 ft<sup>3</sup>/s, 14.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,960 ft<sup>3</sup>/s Jan. 5, 1950, gage height, 18.38 ft; no flow Aug. 7, 1953.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1940				1	3	15	35	27	62	32	15	7	3	10	11	13	18	27	10	17	10	16	10	4	5	7	4			1	2	1				
1941					7	31	35	17	16	9	21	11	21	26	50	25	36	15	8	8	5	11	4	2	2	3			1	1						
1942				1	1	1					5	22	19	16	14	28	38	32	22	25	24	20	21	16	14	12	6	7	8	3	3	6	1			
1943										34	19	9	22	21	15	8	13	35	27	36	25	22	19	10	7	8	9	6	5	6	2	3	3	1		
1944				5	10	16	19		33	11	31	28	26	31	16	12	10	11	7	10	16	26	11	9	2	5	6	1	2	3	1	3	2	3		
1945					18	8	23	32	38	24	11	18	5	13	7	16	13	10	26	19	20	14	9	10	4	5	7	5	3	4	3					
1946									13	15	21	13	15	8	18	21	26	22	21	25	25	22	27	15	9	14	9	8	8	7	2	1				
1947					6	9	3	13	4	10	21	10	16	21	36	15	16	27	30	28	23	13	12	15	11	4	3	10	6	2	1					
1948										7	17	26	41	40	45	28	20	19	17	19	20	16	7	9	6	6	4	7	4	6						
1949										4	20	30	24	18	20	20	10	19	15	34	36	25	21	16	14	6	6	4	8	7	3	5				
1950		3	1	1	1				1		17	8	9	45	12	19	19	23	11	22	23	34	29	15	13	10	5	5	5	11	4	9	5	4	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4018	100.00	12	19.0	204	3058	76.11	24	480.0	97	497	12.37
1	1.0	3	4018	100.00	13	25.0	231	2854	71.03	25	620.0	90	400	9.96
2	1.3	1	4015	99.93	14	33.0	225	2623	65.28	26	820.0	67	310	7.72
3	1.7	2	4014	99.90	15	43.0	219	2398	59.68	27	1100.0	42	243	6.05
4	2.2	17	4012	99.85	16	56.0	250	2179	54.23	28	1400.0	48	201	5.00
5	2.9	75	3995	99.43	17	73.0	232	1929	48.01	29	1800.0	57	153	3.81
6	3.8	101	3920	97.56	18	96.0	166	1697	42.23	30	2400.0	37	96	2.39
7	5.0	95	3819	95.05	19	120.0	247	1531	38.10	31	3100.0	31	59	1.47
8	6.5	160	3724	92.68	20	160.0	232	1284	31.96	32	4100.0	19	28	0.70
9	8.6	156	3564	88.70	21	210.0	244	1052	26.18	33	5300.0	8	9	0.22
10	11.0	184	3408	84.82	22	280.0	195	808	20.11	34	7000.0	1	1	0.02
11	15.0	166	3224	80.24	23	370.0	116	613	15.26					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.0  
P90 = 7.9  
P75 = 20.3  
P70 = 26.4  
P50 = 67.6  
P25 = 224.0  
P10 = 617.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	3.00 3	3.20 3	3.30 3	3.40 3	4.00 2	4.60 2	7.80 2	11.00 2	18.00 2
1942	2.30 1	2.30 1	2.40 1	2.80 1	3.80 1	9.00 4	14.00 4	19.00 3	58.00 5
1943	8.90 7	9.00 7	9.20 7	9.50 7	10.00 6	17.00 6	42.00 7	45.00 6	140.00 10
1944	5.80 5	6.20 5	6.40 5	6.80 5	7.80 5	13.00 5	19.00 5	21.00 5	30.00 3
1945	2.30 2	2.50 2	2.70 2	3.30 2	4.40 3	4.50 1	6.00 1	6.30 1	7.20 1
1946	8.30 6	8.50 6	8.90 6	9.50 6	13.00 7	34.00 7	55.00 10	110.00 9	138.00 9
1947	4.10 4	4.20 4	4.60 4	5.20 4	7.00 4	7.90 3	11.00 3	20.00 4	31.00 4
1948	18.00 10	20.00 10	22.00 10	23.00 10	29.00 10	37.00 8	43.00 8	63.00 8	122.00 8
1949	13.00 9	13.00 9	14.00 9	15.00 8	23.00 8	37.00 9	50.00 9	113.00 10	108.00 7
1950	9.60 8	9.70 8	11.00 8	16.00 9	28.00 9	40.00 10	38.00 6	52.00 7	61.00 6

## 03359000 MILL CREEK NEAR MANHATTAN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	3270.00 9	2980.00 9	1960.00 9	1170.00 9	788.00 10	465.00 10	358.00 10	304.00 10	220.00 10
1941	1950.00 11	1390.00 11	905.00 11	524.00 11	296.00 11	178.00 11	168.00 11	137.00 11	109.00 11
1942	4500.00 7	3730.00 6	2380.00 7	1580.00 7	1060.00 7	822.00 7	779.00 4	663.00 3	539.00 4
1943	5800.00 3	5270.00 3	3610.00 3	2920.00 2	1710.00 3	963.00 4	779.00 5	633.00 5	524.00 5
1944	5960.00 2	5490.00 2	4060.00 2	2510.00 3	1710.00 4	1100.00 3	836.00 3	654.00 4	448.00 7
1945	4000.00 8	3170.00 8	2120.00 8	1130.00 10	843.00 9	715.00 8	641.00 8	601.00 7	428.00 8
1946	3200.00 10	2770.00 10	1820.00 10	1370.00 8	943.00 8	605.00 9	573.00 9	507.00 9	483.00 6
1947	5000.00 4	4330.00 4	2780.00 5	1760.00 6	1120.00 6	905.00 5	774.00 6	622.00 6	542.00 3
1948	4800.00 6	3600.00 7	2840.00 4	2000.00 5	1380.00 5	873.00 6	666.00 7	586.00 8	420.00 9
1949	5000.00 5	4070.00 5	2600.00 6	2270.00 4	1750.00 2	1240.00 2	987.00 2	833.00 2	648.00 2
1950	8690.00 1	7220.00 1	4330.00 1	3780.00 1	2620.00 1	1890.00 1	1460.00 1	1230.00 1	899.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	108.00 1
1942	230.00 4
1943	286.00 6
1944	248.00 5
1945	228.00 3
1946	357.00 7
1947	200.00 2
1948	399.00 8
1949	405.00 9
1950	435.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	116.00 10
1941	63.00 11
1942	330.00 4
1943	322.00 5
1944	231.00 8
1945	228.00 9
1946	293.00 6
1947	336.00 3
1948	255.00 7
1949	355.00 2
1950	531.00 1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	11.00	8.04	7.81	31.00	162.00	100.00	690.00	223.00	121.00	15.70	25.60	6.88
1941	4.21	17.80	43.00	55.20	55.40	43.80	156.00	51.50	296.00	16.80	3.93	24.50
1942	35.90	206.00	220.00	139.00	953.00	716.00	651.00	345.00	401.00	221.00	61.50	70.60
1943	10.70	444.00	341.00	176.00	318.00	412.00	131.00	1615.0	237.00	79.80	43.60	36.30
1944	8.21	34.50	16.50	59.60	204.00	489.00	1680.0	177.00	103.00	12.10	8.02	6.97
1945	4.59	8.23	7.86	17.90	100.00	628.00	674.00	584.00	484.00	95.40	46.20	87.20
1946	237.00	242.00	426.00	428.00	525.00	479.00	87.00	917.00	65.90	56.30	44.40	8.79
1947	7.19	32.40	177.00	530.00	232.00	230.00	803.00	441.00	994.00	63.50	411.00	122.00
1948	35.60	42.70	51.50	416.00	309.00	1103.0	479.00	153.00	53.60	294.00	75.70	40.80
1949	37.30	475.00	433.00	1697.0	597.00	522.00	172.00	88.90	127.00	30.90	54.70	33.30
1950	99.20	31.90	257.00	2542.0	1186.0	620.00	438.00	151.00	397.00	50.50	28.60	613.00

	OCT	NOV	DEC	JAN	FEB	MARCH																															
	TWENTY FIFTH PERCENTILE																																				
	7.19	17.80	16.50	55.20	162.00	230.00																															
	FIFTIETH PERCENTILE																																				
	11.00	34.50	177.00	176.00	309.00	489.00																															
	SEVENTY FIFTH PERCENTILE																																				
	37.30	242.00	341.00	530.00	597.00	628.00																															
APRIL	MAY	JUNE	JULY	AUG	SEPT																																
	TWENTY FIFTH PERCENTILE																																				
	156.00	151.00	103.00	16.80	25.60	8.79																															
	FIFTIETH PERCENTILE																																				
	479.00	223.00	237.00	56.30	44.40	36.30																															
	SEVENTY FIFTH PERCENTILE																																				
	690.00	584.00	401.00	95.40	61.50	87.20																															
***** STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION *****																																					
DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30																																					
CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
1954				16	18	14	23	16	58	25	2	26	9	15	13	3	14	16	20	17	23	11	4	3	5	9	3	2									
1955		1	1	1	14	3	7	22	8	6	30	6	14	22	16	9	9	9	23	29	53	4	6	12	12	12	12	3	12	6	8	4	2	1			
1956								4	8	9	1	14	3	4	20	3	16	23	21	11	64	63	5	7	8	8	7	15	6	7	11	3	24	1			
1957								25	7	9	18	7	3	23	4	5	12	15	9	55	49	19	12	13	11	3	3	6	12	6	7	32					
1958								5	1				1	1	5	26	16	7	9	79	62	11	3	14	18	74	4	3	2	9	15						
1959							1	1	17	12	12	6	5	3	10	4	16	8	14	21	56	52	4	4	17	18	47	1	3	3	12	15					
1960								16	1	17	2	5	13				16	6	10	12	64	55	17	19	18	17	47	1	5	4	5	16					
1961								8	5	3	20	44	10	10	36	15	41	3	4	5	23	47	5	9	8	15	7	1	1	3	3	21	18				
1962											1	23	13	5	13	5	24	5	7	10	31	81	11	16	9	11	51	17			4	5	7	16			
1963								6	24	12	11	10	6	13	14	39	52	22	31	48	25	1	3	3	6	5	2	1	5	4	11	11					
1964								12	53	46	22	3	6	23	12	10	12	19	14	19	15	30	23	3	4	2	2	3	1	3	3	7	15				
1965								81	28	2	3	13	22	11	4	16	2	6	10	5	20	16	51	8	7	15	10	7	11	2	2	5	3	5			

## 03359000 MILL CREEK NEAR MANHATTAN, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	11688	100.00	12	6.8	264	10489	89.74	24	190.0	366	3420	29.26
1	0.33	4	11688	100.00	13	9.0	157	10225	87.48	25	240.0	417	3054	26.13
2	0.44	3	11684	99.97	14	12.0	366	10068	86.14	26	320.0	351	2637	22.56
3	0.57	15	11681	99.94	15	16.0	692	9702	83.01	27	420.0	509	2286	19.56
4	0.75	56	11666	99.81	16	21.0	217	9010	77.09	28	560.0	227	1777	15.20
5	0.99	46	11610	99.33	17	27.0	673	8793	75.23	29	740.0	222	1550	13.26
6	1.3	24	11564	98.94	18	36.0	490	8120	69.47	30	970.0	277	1328	11.36
7	1.7	161	11540	98.73	19	47.0	631	7630	65.28	31	1300.0	364	1051	8.99
8	2.3	268	11379	97.36	20	62.0	548	6999	59.88	32	1700.0	453	687	5.88
9	3.0	259	11111	95.06	21	81.0	1541	6451	55.19	33	2200.0	232	234	2.00
10	3.9	182	10852	92.85	22	110.0	1070	4910	42.01	34	2900.0	2	2	0.02
11	5.2	181	10670	91.29	23	140.0	420	3840	32.85					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	3.0
P90 =	6.5
P75 =	27.4
P70 =	35.2
P50 =	92.4
P25 =	265.0
P10 =	1160.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1955	0.90 4	0.90 4	0.90 3	0.91 3	0.98 2	2.10 2	2.20 1	2.80 1	20.00 4
1956	0.50 2	0.67 3	0.94 4	1.60 4	2.10 4	9.30 11	38.00 18	70.00 21	150.00 23
1957	2.30 11	2.30 9	2.30 8	2.40 7	2.60 6	5.40 7	8.40 6	11.00 4	47.00 10
1958	4.20 18	4.40 16	4.80 15	9.70 18	17.00 19	57.00 24	97.00 27	122.00 26	312.00 30
1959	15.00 24	19.00 29	27.00 28	29.00 28	56.00 29	97.00 29	187.00 30	178.00 30	222.00 28
1960	2.20 9	3.00 13	3.20 13	9.50 17	17.00 20	37.00 21	48.00 20	60.00 17	104.00 17
1961	4.00 17	4.10 15	4.80 16	6.60 14	6.90 12	8.90 10	14.00 8	20.00 8	29.00 7
1962	2.80 12	2.80 12	2.90 11	3.00 10	15.00 16	39.00 22	41.00 19	50.00 15	67.00 14
1963	5.90 19	7.80 20	8.30 19	8.60 16	30.00 25	58.00 25	56.00 22	73.00 22	126.00 21
1964	2.30 10	2.30 10	2.40 10	2.50 8	2.70 8	3.50 4	4.90 2	6.40 2	17.00 1
1965	1.70 5	1.70 5	1.80 5	1.90 5	2.00 3	2.10 3	7.70 4	19.00 7	19.00 2
1966	1.90 7	1.90 6	2.00 6	3.30 12	6.80 11	13.00 12	23.00 13	22.00 9	48.00 11
1967	1.70 6	1.90 7	2.30 9	2.50 9	2.80 9	4.00 5	7.80 5	12.00 5	19.00 3
1968	2.20 8	2.20 8	2.20 7	2.30 6	2.60 7	4.50 6	7.60 3	11.00 3	26.00 6
1969	3.00 14	4.90 18	5.30 17	5.60 13	5.90 10	6.90 8	14.00 9	25.00 12	85.00 16
1970	3.40 15	3.60 14	3.80 14	11.00 19	15.00 17	24.00 18	58.00 23	154.00 28	138.00 22
1971	0.33 1	0.38 1	0.46 1	0.67 1	2.40 5	7.50 9	13.00 7	35.00 14	39.00 8
1972	0.63 3	0.67 2	0.78 2	0.84 2	0.85 1	1.00 1	52.00 21	60.00 18	106.00 18
1973	2.80 13	2.80 11	3.00 12	3.10 11	14.00 14	18.00 16	25.00 14	57.00 16	109.00 19
1974	12.00 22	13.00 21	13.00 21	15.00 20	21.00 23	27.00 20	30.00 15	130.00 27	271.00 29
1975	7.00 21	14.00 22	15.00 22	20.00 25	35.00 26	110.00 30	124.00 28	121.00 25	217.00 27
1976	6.00 20	6.00 19	10.00 20	18.00 23	20.00 22	24.00 19	30.00 16	32.00 13	45.00 9
1977	4.00 16	4.70 17	7.00 18	7.80 15	10.00 13	16.00 13	17.00 12	16.00 6	24.00 5
1978	18.00 26	18.00 25	20.00 27	24.00 27	27.00 24	65.00 26	72.00 26	74.00 23	84.00 15
1979	33.00 30	34.00 30	35.00 30	35.00 29	64.00 30	93.00 28	129.00 29	159.00 29	192.00 26
1980	50.00 31	50.00 31	50.00 31	52.00 31	120.00 31	198.00 31	229.00 31	428.00 31	480.00 31
1981	18.00 27	18.00 26	18.00 25	22.00 26	37.00 27	47.00 23	63.00 24	65.00 19	125.00 20
1982	18.00 28	18.00 27	32.00 29	38.00 30	45.00 28	67.00 27	68.00 25	88.00 24	185.00 25
1983	18.00 29	18.00 28	18.00 26	18.00 24	18.00 21	21.00 17	34.00 17	65.00 20	174.00 24
1984	15.00 25	15.00 23	15.00 23	15.00 21	15.00 15	16.00 14	16.00 10	23.00 11	60.00 12
1985	13.00 23	16.00 24	16.00 24	17.00 22	17.00 18	17.00 15	17.00 11	22.00 10	62.00 13

## 03359000 MILL CREEK NEAR MANHATTAN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1954	564.00 32	557.00 32	434.00 32	278.00 32	222.00 32	159.00 32	132.00 32	115.00 32	87.00 32
1955	2300.00 18	1690.00 30	1030.00 31	818.00 30	710.00 29	426.00 30	350.00 30	296.00 30	248.00 30
1956	3060.00 1	2920.00 1	2630.00 3	1620.00 21	1090.00 21	753.00 21	613.00 21	588.00 17	491.00 19
1957	2880.00 3	2770.00 4	2600.00 5	2210.00 5	1430.00 9	1240.00 3	1040.00 3	966.00 1	760.00 2
1958	2500.00 12	2480.00 11	2450.00 6	2300.00 3	1330.00 12	848.00 16	666.00 17	533.00 23	419.00 23
1959	2380.00 15	2340.00 14	2270.00 14	2020.00 8	1540.00 7	1070.00 10	815.00 13	720.00 11	553.00 15
1960	2620.00 10	2580.00 9	2280.00 13	2130.00 7	1180.00 17	741.00 22	550.00 23	505.00 24	480.00 20
1961	2690.00 8	2660.00 7	2640.00 2	2530.00 2	1680.00 5	1100.00 8	1180.00 1	928.00 2	630.00 10
1962	2800.00 4	2760.00 5	2330.00 9	1930.00 13	1130.00 20	711.00 23	615.00 20	572.00 19	512.00 17
1963	2740.00 6	2440.00 12	2300.00 12	2160.00 6	1770.00 4	1040.00 11	716.00 16	569.00 20	398.00 24
1964	2920.00 2	2880.00 2	2800.00 1	1980.00 9	1200.00 16	1150.00 6	821.00 11	631.00 15	430.00 22
1965	2790.00 5	2790.00 3	2310.00 11	1160.00 27	883.00 27	531.00 28	483.00 27	395.00 28	312.00 28
1966	2070.00 22	2010.00 23	1190.00 30	680.00 31	437.00 31	302.00 31	265.00 31	238.00 31	194.00 31
1967	2180.00 21	2140.00 20	2070.00 17	1740.00 19	987.00 23	684.00 24	541.00 26	545.00 22	496.00 18
1968	2620.00 9	2580.00 8	2430.00 7	1900.00 15	1420.00 10	796.00 18	727.00 15	651.00 13	647.00 8
1969	2700.00 7	2660.00 6	2610.00 4	2550.00 1	1890.00 2	1110.00 7	878.00 9	787.00 8	589.00 11
1970	2410.00 13	2340.00 15	1960.00 22	1280.00 26	949.00 25	589.00 26	544.00 24	580.00 18	479.00 21
1971	2360.00 16	2280.00 16	2100.00 15	1950.00 12	1140.00 19	791.00 20	579.00 22	465.00 26	375.00 25
1972	2030.00 27	1990.00 24	1840.00 26	1470.00 24	809.00 28	516.00 29	465.00 29	403.00 27	336.00 27
1973	2300.00 17	2200.00 18	2020.00 18	1900.00 16	1170.00 18	942.00 14	819.00 12	709.00 12	701.00 6
1974	2230.00 20	2170.00 19	2100.00 16	1820.00 18	1330.00 11	1030.00 12	897.00 8	807.00 7	750.00 3
1975	2520.00 11	2480.00 10	2360.00 8	1960.00 10	1260.00 14	962.00 13	1030.00 4	916.00 3	736.00 4
1976	2000.00 28	1960.00 27	1640.00 28	1100.00 28	897.00 26	646.00 25	544.00 25	486.00 25	357.00 26
1977	1650.00 31	1610.00 31	1500.00 29	1100.00 29	679.00 30	563.00 27	468.00 28	362.00 29	268.00 29
1978	2260.00 19	2240.00 17	1870.00 24	1590.00 22	1210.00 15	1090.00 9	943.00 7	771.00 9	630.00 9
1979	2410.00 14	2390.00 13	2320.00 10	2290.00 4	2200.00 1	1470.00 1	1080.00 2	856.00 5	865.00 1
1980	2060.00 23	1850.00 29	1790.00 27	1450.00 25	1060.00 22	794.00 19	636.00 19	588.00 16	580.00 13
1981	2050.00 24	2020.00 21	1980.00 19	1920.00 14	1790.00 3	1200.00 4	871.00 10	747.00 10	582.00 12
1982	2050.00 25	2020.00 22	1980.00 20	1870.00 17	1540.00 8	1190.00 5	1010.00 5	873.00 4	710.00 5
1983	1930.00 30	1900.00 28	1840.00 25	1630.00 20	962.00 24	816.00 17	653.00 18	554.00 21	575.00 14
1984	1990.00 29	1970.00 26	1910.00 23	1580.00 23	1280.00 13	941.00 15	786.00 14	644.00 14	529.00 16
1985	2030.00 26	1980.00 25	1970.00 21	1950.00 11	1570.00 6	1240.00 2	944.00 6	823.00 6	688.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1955	81.00 1
1956	336.00 19
1957	220.00 7
1958	529.00 29
1959	388.00 23
1960	246.00 12
1961	242.00 11
1962	375.00 22
1963	322.00 18
1964	232.00 10
1965	222.00 8
1966	143.00 3
1967	200.00 5
1968	290.00 16
1969	432.00 24
1970	278.00 15
1971	263.00 14
1972	173.00 4
1973	338.00 20
1974	566.00 30
1975	456.00 27
1976	316.00 17
1977	108.00 2
1978	210.00 6
1979	466.00 28
1980	672.00 31
1981	230.00 9
1982	440.00 26
1983	437.00 25
1984	260.00 13
1985	364.00 21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1954	46.00 32
1955	155.00 29
1956	369.00 11
1957	415.00 7
1958	357.00 12
1959	327.00 17
1960	320.00 18
1961	333.00 15
1962	346.00 14
1963	229.00 23
1964	219.00 24
1965	171.00 28
1966	104.00 31
1967	262.00 22
1968	383.00 10
1969	354.00 13
1970	285.00 21
1971	208.00 26
1972	213.00 25
1973	529.00 2
1974	467.00 3
1975	410.00 8
1976	207.00 27
1977	149.00 30
1978	417.00 6
1979	610.00 1
1980	403.00 9
1981	330.00 16
1982	421.00 5
1983	311.00 19
1984	295.00 20
1985	430.00 4

## WABASH RIVER BASIN

03359000 MILL CREEK NEAR MANHATTAN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1954	3.64	3.45	14.00	58.30	50.50	117.00	199.00	45.00	51.90	2.33	3.71	1.16
1955	20.60	164.00	38.00	231.00	142.00	86.10	710.00	158.00	158.00	89.10	13.00	67.40
1956	413.00	942.00	146.00	53.90	343.00	962.00	479.00	146.00	721.00	220.00	11.10	13.50
1957	4.65	20.10	169.00	306.00	297.00	267.00	1168.0	322.00	1291.0	1010.0	117.00	19.50
1958	195.00	311.00	226.00	1292.0	218.00	172.00	56.30	324.00	275.00	556.00	346.00	279.00
1959	83.40	359.00	157.00	112.00	1365.0	820.00	317.00	421.00	235.00	17.10	92.10	38.40
1960	100.00	193.00	347.00	379.00	645.00	191.00	321.00	236.00	227.00	1128.0	38.20	37.90
1961	6.91	22.10	35.50	43.00	138.00	646.00	1064.0	1117.0	747.00	50.80	66.80	61.60
1962	17.50	112.00	233.00	232.00	595.00	245.00	988.00	418.00	224.00	639.00	32.10	450.00
1963	156.00	80.20	47.60	124.00	73.00	618.00	1420.0	90.30	22.30	46.40	71.80	5.33
1964	3.81	6.42	10.30	31.30	63.80	1019.0	382.00	993.00	32.50	54.40	2.87	2.58
1965	76.20	2.27	2.03	111.00	654.00	379.00	341.00	190.00	92.00	176.00	10.70	53.80
1966	10.10	16.90	59.50	236.00	369.00	186.00	160.00	175.00	14.20	13.50	4.48	22.20
1967	8.95	80.60	843.00	326.00	415.00	339.00	514.00	526.00	76.10	10.20	10.60	2.65
1968	31.80	54.20	595.00	329.00	956.00	407.00	598.00	167.00	1415.0	40.80	48.60	6.19
1969	14.70	136.00	262.00	501.00	1562.0	549.00	603.00	91.50	105.00	350.00	145.00	27.30
1970	106.00	486.00	185.00	134.00	754.00	404.00	213.00	908.00	92.50	15.20	9.99	150.00
1971	46.70	15.60	2.54	156.00	448.00	1100.0	97.40	184.00	279.00	116.00	27.70	36.20
1972	432.00	0.88	27.60	303.00	166.00	393.00	337.00	547.00	251.00	30.50	28.40	32.90
1973	149.00	838.00	672.00	594.00	366.00	212.00	1151.0	678.00	642.00	400.00	624.00	24.70
1974	30.30	62.80	503.00	714.00	1300.0	717.00	529.00	318.00	755.00	441.00	119.00	188.00
1975	99.10	256.00	461.00	854.00	775.00	710.00	1106.0	492.00	97.40	32.60	37.50	32.10
1976	26.80	44.50	329.00	369.00	467.00	766.00	165.00	22.90	60.80	119.00	79.30	34.70
1977	20.40	18.00	21.80	13.90	104.00	625.00	445.00	246.00	26.80	134.00	82.20	51.30
1978	137.00	198.00	481.00	528.00	59.20	117.00	1166.0	918.00	689.00	267.00	141.00	295.00
1979	114.00	166.00	372.00	510.00	107.00	827.00	996.00	819.00	179.00	312.00	716.00	2195.0
1980	433.00	208.00	883.00	489.00	276.00	568.00	1040.0	106.00	215.00	104.00	367.00	144.00
1981	52.70	44.20	94.00	66.70	382.00	181.00	240.00	332.00	711.00	1518.0	207.00	132.00
1982	77.30	65.50	166.00	558.00	412.00	838.00	1429.0	524.00	472.00	340.00	130.00	52.10
1983	18.00	125.00	589.00	933.00	351.00	281.00	614.00	623.00	128.00	29.90	17.10	16.00
1984	104.00	155.00	513.00	48.20	409.00	463.00	1131.0	548.00	91.60	54.20	17.80	16.90
1985	17.20	181.00	559.00	571.00	217.00	952.00	1301.0	519.00	233.00	114.00	370.00	103.00

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

17.30

20.60

40.40

111.00

148.00

220.00

## FIFTIETH PERCENTILE

49.70

96.30

206.00

305.00

368.00

435.00

## SEVENTY FIFTH PERCENTILE

112.00

197.00

498.00

524.00

633.00

754.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

318.00

169.00

91.70

34.60

14.00

17.50

## FIFTIETH PERCENTILE

564.00

328.00

220.00

115.00

57.70

37.00

## SEVENTY FIFTH PERCENTILE

1096.00

548.00

600.00

348.00

138.00

125.00

## 03359500 DEER CREEK NEAR PUTNAMVILLE, IN

LOCATION.--Lat 39°34'04", long 86°52'00", in SW¼NW¼ sec.16, T.13 N., R.4 W., Putnam County, Hydrologic Unit 05120203, on right bank at downstream side of bridge on State Highway 243, 0.4 mi southwest of Putnamville, 0.4 mi downstream from small left-bank tributary, and 0.8 mi downstream from Limestone Creek.

DRAINAGE AREA.--59.0 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1954 to September 1965, October 1967 to September 1972 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 628.00 ft above National Geodetic Vertical Datum of 1929. Prior to July 3, 1957, nonrecording gage, July 4, 1957, to May 10, 1965, water-stage recorder (January 1959 to July 1963, nonrecording gage used below 1.7 ft gage height), May 11 to Sept. 30, 1965, water-stage recorder at site 100 ft upstream at datum 2.73 ft higher.

AVERAGE DISCHARGE.--16 years (1954-65, 1967-72), 59.9 ft<sup>3</sup>/s, 13.79 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft<sup>3</sup>/s Mar. 4, 1963, gage height, 12.95 ft, datum then in use; no flow Oct. 1-10, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1955	10	16		22	10	4	16	15	12	22	11	11	7	15	12	5	20	21	28	28	26	22	9	6	4	3	4	3	2			1			
1956				4	8	4	3	6	6	10	12	7	3	15	16	10	34	13	40	52	33	33	18	12	6	7	3	2	4	2	1		2		
1957			14	4	2	5		4	11	5	6	23	14	17	14	13	28	28	39	27	36	12	12	14	12	8	4	4	5	3		1			
1958							6	3	3	3	1	6	22	14	19	30	44	48	48	49	33	23	14	10	17	6	1	4	1	4	2	2			
1959					2	1	5	11	13	18	16	12	17	36	30	17	13	15	26	39	37	24	10	9	6	3	1	1	1	1		1			
1960							3	25	7	9	12	12	14	12	22	30	38	61	33	24	25	16	8	7	2	2	2		1					1	
1961					3	8	34	10	12	11	21	31	34	25	17	24	14	20	13	15	13	17	13	9	6	4	5	3			2		1		
1962								2	11	26	18	17	11	11	10	18	30	43	48	36	23	17	10	13	9	2	3		2	1		3	1		
1963	16		2	2	1	3	7	12	7	7	12	13	11	37	79	49	22	20	14	5	7	17	6	4	3	3	2		1	1		1	1		
1964	27		27	29	11	15	10	24	7	18	16	10	18	5	16	27	16	10	16	17	14	8	4	2	2	4	4	3	3	1		1	1		
1965				3	21	37	11	8	11	20	15	25	16	14	10	13	22	32	29	25	21	9	2	12	3	3		1		1	1				
1968					1	2			2	20	16	17	15	17	13	25	46	34	21	24	24	18	20	18	9	5	7	3	2	1	3	3			
1969								2	8	17	20	9	21	23	18	14	29	38	31	34	27	22	13	17	5	5	2	1	2	2	4		1		
1970					2	6	7	4	9	16	18	16	17	14	17	22	27	33	33	38	23	22	14	7	4	8	2	3	2	1					
1971					2	2	1	6	12	6	5	25	21	25	49	48	25	36	26	15	22	22	4	2	4	2	2	1		1	1				
1972		1	1	2	5	7	3	5	12	15	34	35	18	16	13	22	25	33	30	24	20	16	12	7	3	2	1	3	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	10	5845	100.00	12	3.4	271	4617	78.99	24	150.0	127	404	6.91
1	0.10	59	5835	99.83	13	4.6	283	4346	74.35	25	210.0	80	277	4.74
2	0.14	1	5776	98.82	14	6.3	285	4063	69.51	26	290.0	58	197	3.37
3	0.19	70	5775	98.80	15	8.7	350	3778	64.64	27	400.0	39	139	2.38
4	0.26	58	5705	97.60	16	12.0	442	3428	58.65	28	550.0	30	100	1.71
5	0.36	58	5647	96.61	17	17.0	410	2986	51.09	29	760.0	25	70	1.20
6	0.49	105	5589	95.62	18	23.0	499	2576	44.07	30	1000.0	20	45	0.77
7	0.68	110	5484	93.82	19	31.0	494	2077	35.53	31	1400.0	10	25	0.43
8	0.93	142	5374	91.94	20	43.0	408	1583	27.08	32	2000.0	9	15	0.26
9	1.3	184	5232	89.51	21	59.0	359	1175	20.10	33	2700.0	5	6	0.10
10	1.8	213	5048	86.36	22	82.0	254	816	13.96	34	3800.0	1	1	0.02
11	2.4	218	4835	82.72	23	110.0	158	562	9.62					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.56  
P90 = 1.2  
P75 = 4.4  
P70 = 6.1  
P50 = 17.9  
P25 = 47.8  
P10 = 108.0

## 03359500 DEER CREEK NEAR PUTNAMVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1956	0.10 1	0.10 1	0.10 1	0.11 3	0.19 2	2.10 5	11.00 10	19.00 11	44.00 12
1957	0.20 4	0.20 4	0.20 4	0.21 4	0.29 4	1.30 3	1.70 3	2.60 3	14.00 8
1958	0.70 9	0.77 9	0.86 9	1.10 8	2.50 11	4.70 10	18.00 14	21.00 12	69.00 14
1959	3.00 14	3.10 14	4.20 14	4.90 14	8.30 14	13.00 14	15.00 13	23.00 14	33.00 11
1960	0.40 6	0.47 7	0.69 7	0.94 7	2.40 10	4.60 9	8.80 9	9.20 8	15.00 9
1961	0.40 7	0.43 5	0.46 5	0.54 5	0.74 5	1.70 4	2.60 4	3.10 4	5.40 3
1962	0.70 8	0.77 8	0.79 8	0.79 6	1.50 6	6.60 12	7.20 8	9.30 9	12.00 5
1963	1.19 12	1.30 12	1.40 13	1.70 11	4.10 13	13.00 13	12.00 11	15.00 10	50.00 13
1964	0.10 2	0.10 2	0.10 2	0.10 1	0.14 1	0.24 1	0.68 2	0.78 2	4.40 2
1965	0.10 3	0.10 3	0.10 3	0.10 2	0.20 3	0.60 2	0.60 1	0.72 1	2.80 1
1969	1.19 13	1.30 13	1.30 12	1.60 9	2.20 8	2.60 6	3.80 6	4.40 6	12.00 6
1970	0.84 10	0.89 10	1.00 10	1.80 12	2.20 9	5.10 11	13.00 12	21.00 13	21.00 10
1971	0.38 5	0.47 6	0.69 6	1.60 10	2.00 7	2.60 7	2.90 5	3.80 5	8.50 4
1972	1.10 11	1.10 11	1.30 11	2.10 13	3.40 12	3.50 8	5.20 7	5.90 7	14.00 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1955	1960.00 10	852.00 13	372.00 15	179.00 16	98.00 16	88.00 16	70.00 16	68.00 16	60.00 16
1956	2160.00 8	991.00 12	483.00 12	315.00 9	216.00 10	157.00 10	140.00 9	125.00 9	101.00 8
1957	2670.00 6	1050.00 11	685.00 6	409.00 7	283.00 5	255.00 4	242.00 1	203.00 1	158.00 1
1958	1690.00 14	1240.00 8	686.00 5	467.00 5	281.00 6	182.00 6	142.00 7	111.00 11	96.00 10
1959	2180.00 7	1170.00 9	553.00 10	290.00 11	241.00 8	171.00 8	140.00 8	128.00 7	95.00 11
1960	3480.00 5	1260.00 7	580.00 8	285.00 13	154.00 15	95.00 15	85.00 15	79.00 14	79.00 12
1961	3650.00 3	1720.00 3	857.00 3	546.00 3	366.00 2	272.00 3	223.00 2	175.00 2	118.00 3
1962	3600.00 4	1290.00 5	580.00 9	444.00 6	239.00 9	159.00 9	132.00 10	114.00 10	106.00 6
1963	6000.00 1	2390.00 1	1090.00 1	661.00 1	500.00 1	273.00 2	192.00 4	150.00 4	103.00 7
1964	3760.00 2	1890.00 2	1020.00 2	561.00 2	361.00 3	302.00 1	210.00 3	163.00 3	110.00 5
1965	1760.00 13	1050.00 10	504.00 11	258.00 14	178.00 13	116.00 13	106.00 13	91.00 13	72.00 13
1968	1850.00 12	1290.00 6	670.00 7	381.00 8	215.00 11	177.00 7	143.00 6	136.00 6	136.00 2
1969	2100.00 9	1450.00 4	740.00 4	517.00 4	337.00 4	218.00 5	158.00 5	149.00 5	111.00 4
1970	1330.00 15	637.00 15	411.00 14	287.00 12	187.00 12	132.00 12	128.00 11	127.00 8	99.00 9
1971	1900.00 11	819.00 14	470.00 13	293.00 10	250.00 7	156.00 11	112.00 12	92.00 12	71.00 15
1972	782.00 16	514.00 16	343.00 16	227.00 15	157.00 14	112.00 14	86.00 14	78.00 15	72.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	66.00 9
1957	49.00 5
1958	109.00 14
1959	71.00 10
1960	46.00 3
1961	46.00 4
1962	76.00 12
1963	92.00 13
1964	32.00 1
1965	54.00 6
1969	75.00 11
1970	56.00 8
1971	54.00 7
1972	33.00 2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	40.00 15
1956	70.00 5
1957	90.00 1
1958	74.00 4
1959	55.00 11
1960	49.00 12
1961	64.00 6
1962	83.00 2
1963	56.00 9
1964	56.00 10
1965	39.00 16
1968	76.00 3
1969	64.00 7
1970	59.00 8
1971	43.00 13
1972	41.00 14



03359500 DEER CREEK NEAR PUTNAMVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	0.28	1.00	7.52	57.60	49.60	83.40	75.90	47.40	42.50	24.70	3.03	89.40
1956	59.50	136.00	26.80	12.40	219.00	64.00	139.00	82.20	92.40	19.40	1.76	2.60
1957	1.41	7.22	56.70	70.90	66.30	56.30	246.00	221.00	256.00	58.00	44.50	3.83
1958	11.00	75.50	268.00	65.70	21.30	35.20	38.10	61.80	169.00	73.20	47.60	16.80
1959	15.60	42.60	22.30	146.00	134.00	96.50	114.00	48.80	24.60	4.11	19.20	2.86
1960	16.90	28.20	50.80	62.20	117.00	69.40	38.70	37.90	151.00	10.10	4.91	2.68
1961	0.91	5.00	11.80	11.90	31.90	242.00	174.00	227.00	18.30	8.04	11.50	14.80
1962	2.70	23.80	40.00	123.00	85.50	180.00	34.70	98.30	32.70	128.00	10.80	232.00
1963	11.70	16.00	9.34	22.90	27.10	470.00	59.10	18.00	3.93	8.60	17.90	0.39
1964	0.19	1.78	0.90	16.40	15.20	235.00	360.00	25.00	7.09	10.00	0.54	1.03
1965	0.44	1.11	4.37	37.40	153.00	68.60	102.00	42.30	22.70	36.40	1.97	11.50
1968	18.10	19.10	190.00	137.00	92.80	70.80	139.00	177.00	47.60	4.63	8.14	3.20
1969	2.38	24.60	104.00	262.00	100.00	31.80	138.00	20.50	15.80	54.30	5.43	6.76
1970	26.10	93.40	33.40	99.80	93.80	93.30	129.00	105.00	22.70	4.08	2.82	3.10
1971	6.78	23.00	25.80	25.00	257.00	65.50	21.50	34.00	39.30	23.40	7.19	9.79
1972	3.62	3.72	102.00	53.30	29.60	63.60	155.00	24.60	27.50	5.42	12.40	12.40

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

1.03	4.04	9.95	23.40	30.20	63.70
------	------	------	-------	-------	-------

## FIFTIETH PERCENTILE

5.20	21.00	30.10	59.90	89.10	70.10
------	-------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

16.60	39.00	90.70	117.00	130.00	159.00
-------	-------	-------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

43.80	27.20	19.40	6.07	2.87	2.72
-------	-------	-------	------	------	------

## FIFTIETH PERCENTILE

122.00	48.10	30.10	14.70	7.66	5.29
--------	-------	-------	-------	------	------

## SEVENTY FIFTH PERCENTILE

151.00	103.00	81.20	49.80	16.50	14.20
--------	--------	-------	-------	-------	-------

## 03360000 EEL RIVER AT BOWLING GREEN, IN

LOCATION.--Lat 39°22'58", long 87°01'14", in NE¼NE¼ sec.24, T.11 N., R.6 W., Clay County, Hydrologic Unit 05120203, on left bank 500 ft downstream from bridge on State Highway 46 at Bowling Green, 0.2 mi downstream from Jordan Creek, and at mile 38.4.

DRAINAGE AREA.--830 mi<sup>2</sup>.

PERIOD OF RECORD.--January 1931 to September 1985. Prior to October 1934, published as "near Centerpoint".

GAGE.--Water-stage recorder. Datum of gage is 548.02 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). See WSP 1725 for history of changes prior to Dec. 1, 1949.

REMARKS.--Flow regulated by Cagles Mill Lake.

AVERAGE DISCHARGE.--54 years, 879 ft<sup>3</sup>/s, 14.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,000 ft<sup>3</sup>/s Jan. 4, 1950, gage height, 23.53 ft; minimum daily, 11 ft<sup>3</sup>/s Oct. 7, 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 30.0 ft in 1875, present datum, from information by U.S. Army Corps of Engineers.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1932								16	32	34	13	21	16	25	28	24	14	22	15	21	17	17	8	12	6	5	7	4	4	4	1				
1933					1	37	19	15	9	9	15	9	11	12	8	9	45	19	19	18	29	19	12	7	9	8	9	6	7	4					
1934		1	4	5	8	11	25	33	86	43	26	23	22	14	18	12	8	3	4	5	5	2	3	1				2	1						
1935				3	6	5	16	31	21	16	13	14	31	38	36	36	26	10	16	13	7	5	4	3	2	3	4	3	2	1					
1936	10	7	22	32	30	23	10	4	18	22	24	26	17	18	11	14	17	12	9	15	4	4	10		2	1	2	1	1						
1937							3	17	27	24	28	23	21	14	26	31	20	10	26	18	20	11	10	8	7	5	4	4	4	2		1	1		
1938							3	6	11	15	29	21	37	37	25	25	21	17	25	18	10	12	10	5	6	5	7	3	6	9	1	1			
1939		4	16	3	3	4	39	16	11	19	35	21	17	15	13	16	22	19	18	15	13	8	10	3	3	6	5	1	5	3	2				
1940		25	31	48	53	17	9	15	8	8	17	15	13	10	14	10	13	15	9	10	6	7	5	1	2	1	1	3							
1941		5	32	24	20	13	21	21	28	48	48	27	15	11	12	9	4	5	7	3	1	1	3	1	2		2	1	1						
1942		1	1		1		2	15	14	15	15	34	32	27	22	17	26	21	16	19	20	16	11	10	8	4	8	6	2	1	1				
1943				1	27	23	15	19	20	10	11	7	28	33	37	25	25	20	6	14	5	6	7	7	4	2	4	3		2	1	3			
1944		4	9	11	35	46	17	32	34	23	17	12	4	5	3	16	10	16	18	11	12	7	3	4	3	2	2	3	1	2	2	1	1		
1945			12	19	28	45	25	17	12	5	13	13	7	12	15	13	19	17	17	15	10	9	6	5	3	7	7	2	6	2	4				
1946		6	7	12	6	6	3	8	12	3	17	18	23	21	21	34	19	28	19	13	25	14	13	11	7	6	4	3	5	1					
1947			16	1	6	10	7	18	13	16	12	35	22	19	19	27	17	22	23	24	14	8	11	8	1	7	4	1	2	2					
1948						3	9	31	43	43	63	18	17	11	21	20	13	11	12	9	5	6	7	4	4	3	6	3	2	1	1				
1949						17	23	21	20	18	21	13	21	19	18	20	27	28	22	18	11	10	6	7	4	1	7	5	3	3		2			
1950			2	4	5	12	11	30	14	15	15	25	24	15	19	23	16	30	23	16	8	11	5	3	9	8	6	5	5	2	2	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6940	100.00	12	190.0	337	4078	58.76	24	2700.0	88	489	7.05
1	16.0	26	6940	100.00	13	230.0	383	3741	53.90	25	3400.0	71	401	5.78
2	20.0	98	6914	99.63	14	290.0	365	3358	48.39	26	4200.0	81	330	4.76
3	25.0	155	6816	98.21	15	360.0	374	2993	43.13	27	5200.0	82	249	3.59
4	31.0	185	6661	95.98	16	450.0	356	2619	37.74	28	6500.0	59	167	2.41
5	39.0	248	6476	93.31	17	560.0	386	2263	32.61	29	8200.0	47	108	1.56
6	49.0	223	6228	89.74	18	710.0	294	1877	27.05	30	10000.0	40	61	0.88
7	61.0	299	6005	86.53	19	880.0	301	1583	22.81	31	13000.0	8	21	0.30
8	76.0	369	5706	82.22	20	1100.0	285	1282	18.47	32	16000.0	10	13	0.19
9	95.0	445	5337	76.90	21	1400.0	209	997	14.37	33	20000.0	2	3	0.04
10	120.0	380	4892	70.49	22	1700.0	150	788	11.35	34	25000.0	1	1	0.01
11	150.0	434	4512	65.01	23	2100.0	149	638	9.19					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 33.9  
P90 = 48.3  
P75 = 102.0  
P70 = 123.0  
P50 = 272.0  
P25 = 792.0  
P10 = 1950.0

## 03360000 EEL RIVER AT BOWLING GREEN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	44.00 11	46.00 11	53.00 13	69.00 15	79.00 14	122.00 15	292.00 17	289.00 16	352.00 15
1933	64.00 17	70.00 17	70.00 17	75.00 17	145.00 18	264.00 18	317.00 18	346.00 18	406.00 17
1934	46.00 12	48.00 12	49.00 11	51.00 11	53.00 10	111.00 12	122.00 11	129.00 9	143.00 6
1935	24.00 7	26.00 7	29.00 7	35.00 8	56.00 11	87.00 11	104.00 9	142.00 11	253.00 11
1936	36.00 9	36.00 9	37.00 9	39.00 9	44.00 8	52.00 6	101.00 8	121.00 8	172.00 8
1937	16.00 1	16.00 1	17.00 1	18.00 1	24.00 3	33.00 5	37.00 4	53.00 4	148.00 7
1938	68.00 18	70.00 18	79.00 18	95.00 19	177.00 19	283.00 19	328.00 19	313.00 17	415.00 18
1939	61.00 16	61.00 16	61.00 15	64.00 14	66.00 12	76.00 10	148.00 15	181.00 12	285.00 14
1940	20.00 5	20.00 5	20.00 5	21.00 2	23.00 2	31.00 4	35.00 1	36.00 2	63.00 2
1941	20.00 6	21.00 6	21.00 6	21.00 3	22.00 1	25.00 1	35.00 2	42.00 3	67.00 3
1942	19.00 4	19.00 4	19.00 2	22.00 6	32.00 6	59.00 8	68.00 6	84.00 7	212.00 10
1943	42.00 10	43.00 10	44.00 10	44.00 10	48.00 9	67.00 9	113.00 10	139.00 10	401.00 16
1944	29.00 8	30.00 8	32.00 8	33.00 7	37.00 7	57.00 7	70.00 7	78.00 6	98.00 4
1945	18.00 2	18.00 2	19.00 3	21.00 4	29.00 5	30.00 2	35.00 3	35.00 1	39.00 1
1946	52.00 14	53.00 14	54.00 14	60.00 12	71.00 13	155.00 17	253.00 16	359.00 19	441.00 19
1947	18.00 3	18.00 3	19.00 4	21.00 5	26.00 4	31.00 3	45.00 5	68.00 5	129.00 5
1948	78.00 19	79.00 19	81.00 19	85.00 18	110.00 17	121.00 14	130.00 12	186.00 13	282.00 13
1949	54.00 15	56.00 15	63.00 16	70.00 16	96.00 16	117.00 13	133.00 13	232.00 15	268.00 12
1950	49.00 13	50.00 13	53.00 12	62.00 13	83.00 15	132.00 16	137.00 14	191.00 14	211.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1932	10600.00 13	9130.00 13	6500.00 12	5410.00 9	3750.00 9	3100.00 6	2560.00 7	2060.00 8	1530.00 8
1933	12600.00 9	11200.00 8	7380.00 10	5160.00 11	4040.00 8	3750.00 4	3200.00 2	2710.00 2	2470.00 2
1934	7240.00 19	4620.00 19	2550.00 19	1470.00 19	1130.00 19	812.00 19	586.00 19	485.00 19	418.00 19
1935	11800.00 10	9330.00 12	7540.00 9	5480.00 8	3270.00 10	2080.00 14	1670.00 14	1490.00 15	1190.00 14
1936	8630.00 16	7420.00 17	4770.00 17	2930.00 17	1920.00 17	1670.00 16	1390.00 16	1120.00 16	822.00 16
1937	24900.00 2	17200.00 2	10100.00 3	7950.00 3	5560.00 3	3680.00 5	2700.00 6	2370.00 6	1880.00 5
1938	18100.00 5	12300.00 6	7820.00 8	6830.00 5	5950.00 2	4100.00 2	2990.00 3	2680.00 3	2080.00 3
1939	13000.00 8	11700.00 7	8750.00 7	5360.00 10	3200.00 11	2950.00 8	2990.00 4	2470.00 5	1780.00 6
1940	8030.00 17	7440.00 16	5240.00 15	3370.00 16	2460.00 16	1560.00 17	1210.00 17	1060.00 17	781.00 17
1941	8000.00 18	5490.00 18	3720.00 18	2620.00 18	1500.00 18	843.00 18	716.00 18	572.00 18	424.00 18
1942	10000.00 14	8080.00 15	5690.00 14	4010.00 14	2470.00 15	2170.00 13	2030.00 13	1780.00 10	1500.00 9
1943	19100.00 4	15600.00 4	10300.00 2	8920.00 2	5320.00 4	2970.00 7	2360.00 9	1910.00 9	1500.00 10
1944	16700.00 6	12900.00 5	9020.00 5	6100.00 6	4260.00 7	2740.00 9	2140.00 10	1720.00 12	1180.00 15
1945	11800.00 11	10400.00 11	6720.00 11	3980.00 15	2770.00 14	2470.00 11	2400.00 8	2240.00 7	1600.00 7
1946	9000.00 15	8260.00 14	5220.00 16	4180.00 13	3020.00 12	1750.00 15	1600.00 15	1580.00 14	1450.00 12
1947	11400.00 12	10500.00 10	6490.00 13	4340.00 12	2920.00 13	2400.00 12	2070.00 12	1690.00 13	1460.00 11
1948	14000.00 7	11100.00 9	8820.00 6	5970.00 7	4450.00 6	2700.00 10	2090.00 11	1760.00 11	1280.00 13
1949	19700.00 3	15700.00 3	9090.00 4	6920.00 4	5230.00 5	3800.00 3	2980.00 5	2530.00 4	1920.00 4
1950	28000.00 1	23200.00 1	13500.00 1	10800.00 1	7450.00 1	5320.00 1	4120.00 1	3530.00 1	2560.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	946.00 11
1933	1020.00 13
1934	737.00 8
1935	424.00 2
1936	746.00 9
1937	971.00 12
1938	1070.00 14
1939	1230.00 18
1940	487.00 3
1941	367.00 1
1942	692.00 6
1943	760.00 10
1944	733.00 7
1945	647.00 5
1946	1190.00 17
1947	622.00 4
1948	1070.00 15
1949	1190.00 16
1950	1290.00 19

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	966.00 7
1933	1410.00 2
1934	306.00 18
1935	706.00 14
1936	451.00 16
1937	1160.00 4
1938	1370.00 3
1939	984.00 6
1940	413.00 17
1941	248.00 19
1942	921.00 8
1943	891.00 9
1944	621.00 15
1945	853.00 12
1946	891.00 10
1947	887.00 11
1948	743.00 13
1949	1070.00 5
1950	1550.00 1

## WABASH RIVER BASIN

03360000 EEL RIVER AT BOWLING GREEN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	*	*	*	*	*	*	360.00	163.00	406.00	507.00	92.50	692.00
1932	691.00	929.00	2209.0	3663.0	1179.0	426.00	383.00	278.00	754.00	341.00	318.00	392.00
1933	461.00	999.00	2098.0	2103.0	1202.0	2900.0	2906.0	3443.0	263.00	136.00	163.00	205.00
1934	126.00	106.00	161.00	203.00	107.00	979.00	612.00	129.00	166.00	65.00	546.00	456.00
1935	169.00	212.00	327.00	915.00	353.00	1126.0	459.00	3175.0	893.00	497.00	202.00	65.50
1936	46.00	214.00	166.00	384.00	1689.0	1172.0	1043.0	527.00	90.40	42.40	24.10	78.40
1937	238.00	1444.0	474.00	5395.0	1604.0	717.00	1468.0	981.00	585.00	239.00	484.00	277.00
1938	928.00	246.00	1695.0	593.00	1493.0	3843.0	3429.0	1027.0	798.00	1751.0	493.00	150.00
1939	68.50	239.00	275.00	1436.0	2533.0	2700.0	3149.0	382.00	673.00	339.00	134.00	33.30
1940	31.70	42.00	41.60	135.00	481.00	465.00	1953.0	1056.0	591.00	94.60	68.80	31.70
1941	22.50	63.90	132.00	131.00	150.00	125.00	475.00	168.00	1498.0	115.00	33.00	87.70
1942	117.00	652.00	589.00	344.00	2556.0	1851.0	1697.0	1068.0	1209.0	785.00	186.00	163.00
1943	50.10	921.00	685.00	499.00	771.00	1122.0	459.00	5090.0	599.00	198.00	137.00	101.00
1944	37.30	116.00	60.00	189.00	466.00	1274.0	4120.0	770.00	339.00	66.60	41.70	32.30
1945	32.30	44.00	38.80	55.30	273.00	1979.0	2536.0	2087.0	2255.0	437.00	193.00	304.00
1946	687.00	616.00	961.00	1401.0	1525.0	1365.0	364.00	2945.0	451.00	214.00	125.00	27.30
1947	37.90	105.00	497.00	1322.0	736.00	598.00	2017.0	1396.0	2664.0	250.00	699.00	354.00
1948	120.00	125.00	146.00	1032.0	831.00	3209.0	1884.0	563.00	172.00	526.00	171.00	122.00
1949	112.00	1072.0	1121.0	5085.0	2031.0	1495.0	721.00	413.00	353.00	170.00	188.00	91.20
1950	354.00	135.00	838.00	7212.0	3249.0	1787.0	1409.0	471.00	959.00	284.00	93.60	1927.0

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

37.90	106.00	146.00	203.00	466.00	717.00
-------	--------	--------	--------	--------	--------

## FIFTIETH PERCENTILE

117.00	214.00	474.00	915.00	1179.00	1274.00
--------	--------	--------	--------	---------	---------

## SEVENTY FIFTH PERCENTILE

354.00	921.00	961.00	2103.00	1689.00	1979.00
--------	--------	--------	---------	---------	---------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

463.00	390.00	343.00	120.00	92.80	68.70
--------	--------	--------	--------	-------	-------

## FIFTIETH PERCENTILE

1439.00	876.00	595.00	245.00	167.00	136.00
---------	--------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

2406.00	1914.00	943.00	482.00	289.00	342.00
---------	---------	--------	--------	--------	--------

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1954	14	13	6	38	42	46	31	9	12	14	22	10	22	20	16	12	13	9	6	7	2	1														
1955	10	5	9	13	10	9	37	20	14	17	22	10	19	17	13	17	18	28	19	20	13	4	13	4	2	2										
1956					3	5	9	8	11	20	23	20	25	34	13	20	19	17	21	25	21	13	14	18	18	3	3	1	1	1						
1957				11	16	6	10	9	22	7	9	12	15	20	14	42	15	9	12	17	18	13	14	17	41	3	6	1	1	3		1			1	
1958							6			1	4	10	5	28	33	34	32	30	47	39	23	7	14	21	18	2	4	3	2	1	1					
1959						6	8	7	8	17	30	31	22	30	8	10	16	18	25	27	27	13	17	10	23	6	1	1	3		1					
1960						2	19	11	11	13	14	9	23	19	9	39	27	28	42	21	27	5	12	18	10	1	2	2	1		1					
1961					8	45	13	16	39	34	21	10	14	15	13	11	7	4	7	9	13	12	9	34	19	5		1	3	1		1	1			
1962							9	17	17	28	7	13	19	20	16	12	32	60	26	21	13	9	20	13	4	2	1	5	1							
1963					9	6	4	9	13	23	19	45	50	49	24	16	14	7	6	7	6	10	5	8	14	11	4	2	2		1					1
1964					27	63	39	20	10	8	10	8	19	24	29	12	10	3	6	4	5	9	6	4	9	13	16	4	3	1	2	1	1			
1965					3	26	13	18	19	27	12	23	17	14	9	19	10	8	15	17	25	24	16	10	13	7	11	7	1							

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

VALUE EXCEEDED 'P'	PERCENT OF TIME
P95 =	37.3
P90 =	57.3
P75 =	132.0
P70 =	163.0
P50 =	384.0
P25 =	1230.0
P10 =	2360.0

YEAR	1		3		7		14		30		60		90		120		183	
1955	11.00	1	11.00	1	12.00	1	12.00	1	13.00	1	19.00	1	33.00	2	41.00	2	71.00	2
1956	14.00	2	15.00	2	16.00	2	18.00	3	22.00	3	50.00	9	125.00	17	198.00	18	336.00	18
1957	26.00	8	26.00	7	26.00	7	27.00	7	30.00	7	39.00	6	50.00	6	64.00	6	171.00	10
1958	59.00	21	59.00	20	62.00	19	70.00	19	83.00	20	168.00	22	239.00	24	410.00	27	1070.00	30
1959	102.00	29	105.00	29	121.00	29	142.00	29	161.00	27	260.00	29	386.00	30	452.00	29	621.00	28
1960	38.00	16	38.00	15	41.00	15	55.00	17	78.00	18	108.00	18	167.00	20	187.00	17	259.00	14
1961	34.00	11	34.00	11	35.00	10	36.00	9	37.00	9	45.00	8	58.00	7	71.00	7	88.00	6
1962	28.00	9	29.00	9	32.00	9	36.00	10	90.00	21	141.00	20	147.00	18	168.00	16	228.00	12
1963	64.00	23	66.00	23	73.00	23	85.00	23	130.00	25	177.00	24	182.00	21	208.00	19	391.00	21
1964	21.00	6	21.00	6	22.00	6	23.00	6	24.00	4	26.00	3	29.00	1	29.00	1	71.00	3
1965	16.00	3	16.00	3	17.00	3	17.00	2	19.00	2	21.00	2	36.00	3	46.00	3	62.00	1
1966	34.00	12	36.00	13	40.00	14	44.00	13	51.00	13	68.00	13	97.00	13	95.00	9	170.00	9
1967	17.00	4	17.00	4	18.00	4	21.00	5	24.00	5	32.00	5	49.00	5	51.00	5	80.00	5
1968	26.00	7	27.00	8	28.00	8	29.00	8	31.00	8	43.00	7	71.00	9	86.00	8	128.00	7
1969	36.00	14	37.00	14	39.00	13	42.00	11	47.00	10	53.00	10	67.00	8	96.00	10	241.00	13
1970	45.00	17	47.00	17	51.00	17	65.00	18	101.00	22	180.00	25	363.00	29	420.00	28	453.00	24

## 03360000 EEL RIVER AT BOWLING GREEN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1971	38.00 15	39.00 16	42.00 16	46.00 14	50.00 11	65.00 12	79.00 11	121.00 12	141.00 8
1972	58.00 20	59.00 21	65.00 20	72.00 20	77.00 17	122.00 19	239.00 25	225.00 22	341.00 19
1973	32.00 10	33.00 10	38.00 12	44.00 12	56.00 14	82.00 15	111.00 14	218.00 21	403.00 22
1974	82.00 25	87.00 25	99.00 25	102.00 24	125.00 24	148.00 21	163.00 19	461.00 30	852.00 29
1975	71.00 24	80.00 24	117.00 28	130.00 28	161.00 28	286.00 30	313.00 27	314.00 25	583.00 27
1976	53.00 19	55.00 19	68.00 21	74.00 22	80.00 19	95.00 17	113.00 15	152.00 14	200.00 11
1977	19.00 5	20.00 5	20.00 5	20.00 4	27.00 6	30.00 4	39.00 4	48.00 4	73.00 4
1978	87.00 26	90.00 26	93.00 24	105.00 25	122.00 23	229.00 28	278.00 26	260.00 23	304.00 17
1979	95.00 28	97.00 28	102.00 27	107.00 27	162.00 29	196.00 26	350.00 28	407.00 26	542.00 25
1980	161.00 31	172.00 31	207.00 31	256.00 31	305.00 31	467.00 31	952.00 31	956.00 31	1150.00 31
1981	90.00 27	96.00 27	101.00 26	105.00 26	136.00 26	173.00 23	192.00 22	213.00 20	343.00 20
1982	128.00 30	131.00 30	141.00 30	165.00 30	207.00 30	228.00 27	227.00 23	284.00 24	577.00 26
1983	60.00 22	65.00 22	70.00 22	72.00 21	76.00 16	87.00 16	115.00 16	163.00 15	444.00 23
1984	35.00 13	35.00 12	37.00 11	48.00 15	50.00 12	61.00 11	73.00 10	114.00 11	266.00 15
1985	48.00 18	49.00 18	52.00 18	54.00 16	57.00 15	81.00 14	94.00 12	138.00 13	277.00 16

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1954	1450.00 32	1250.00 32	929.00 32	862.00 32	677.00 32	512.00 32	426.00 32	372.00 32	283.00 32
1955	3590.00 30	2770.00 30	2100.00 30	1650.00 30	1370.00 30	1100.00 30	950.00 30	874.00 30	730.00 30
1956	9100.00 18	6190.00 20	3440.00 24	2630.00 25	2010.00 27	1800.00 23	1550.00 24	1410.00 23	1230.00 22
1957	28700.00 1	17700.00 1	9670.00 1	6050.00 1	4200.00 1	3420.00 1	3090.00 1	2820.00 1	2170.00 2
1958	12200.00 10	10100.00 7	6300.00 8	4430.00 6	3650.00 3	2460.00 15	2040.00 14	1630.00 17	1290.00 20
1959	13000.00 9	9330.00 10	5090.00 11	3570.00 13	3360.00 8	2870.00 6	2460.00 8	2110.00 9	1620.00 12
1960	13500.00 7	9300.00 11	4720.00 15	2730.00 23	2580.00 19	1670.00 25	1310.00 28	1270.00 26	1260.00 21
1961	20000.00 3	14300.00 2	7830.00 2	5020.00 3	3760.00 2	3240.00 2	2930.00 2	2530.00 2	1730.00 10
1962	10000.00 15	7210.00 14	4200.00 20	2840.00 19	2480.00 20	1880.00 22	1820.00 18	1600.00 18	1370.00 17
1963	22000.00 2	12700.00 3	6480.00 7	4150.00 8	3500.00 7	2870.00 7	2030.00 15	1590.00 19	1110.00 25
1964	12000.00 11	9680.00 8	6280.00 9	4180.00 7	3270.00 9	2780.00 9	2280.00 11	1760.00 14	1220.00 23
1965	7730.00 22	4410.00 27	2590.00 28	2450.00 27	1800.00 28	1420.00 29	1430.00 25	1200.00 27	941.00 28
1966	2720.00 31	2160.00 31	2000.00 31	1130.00 31	842.00 31	704.00 31	624.00 31	593.00 31	502.00 31
1967	8370.00 21	7160.00 16	4790.00 14	2740.00 22	2390.00 24	1620.00 26	1420.00 26	1420.00 22	1360.00 18
1968	17100.00 4	9530.00 9	5690.00 10	3760.00 12	3050.00 13	2000.00 19	1950.00 17	1750.00 15	1740.00 9
1969	16000.00 5	12000.00 5	6780.00 4	4740.00 4	3600.00 4	2850.00 8	2300.00 10	2140.00 7	1630.00 11
1970	6770.00 24	4960.00 24	3460.00 23	2790.00 21	2470.00 21	1790.00 24	1600.00 20	1680.00 16	1340.00 19
1971	9730.00 16	5620.00 22	4530.00 17	3430.00 15	3000.00 14	2220.00 16	1600.00 21	1360.00 24	1150.00 24
1972	6140.00 26	4800.00 25	3050.00 26	2640.00 24	2400.00 23	1530.00 27	1370.00 27	1190.00 28	1080.00 26
1973	10100.00 14	7180.00 15	4480.00 18	3330.00 16	2980.00 15	2550.00 12	2020.00 16	1950.00 11	1950.00 5
1974	7530.00 23	6640.00 17	4800.00 13	3870.00 10	3160.00 11	2890.00 4	2630.00 4	2490.00 4	2370.00 1
1975	11200.00 12	8800.00 12	4880.00 12	3480.00 14	2980.00 16	2670.00 11	2570.00 5	2500.00 3	2050.00 3
1976	5550.00 27	4480.00 26	3200.00 25	2470.00 26	2280.00 25	1900.00 20	1580.00 22	1430.00 21	1060.00 27
1977	4870.00 29	3820.00 28	2410.00 29	2000.00 29	1570.00 29	1420.00 28	1190.00 29	952.00 29	737.00 29
1978	13000.00 8	10100.00 6	6490.00 6	5160.00 2	3600.00 5	2700.00 10	2570.00 6	2120.00 8	1750.00 8
1979	11200.00 13	8540.00 13	6730.00 5	4000.00 9	3270.00 10	2870.00 5	2510.00 7	1980.00 10	1950.00 4
1980	5280.00 28	3660.00 29	2670.00 27	2390.00 28	2270.00 26	2080.00 18	1700.00 19	1490.00 20	1400.00 15
1981	8670.00 20	5890.00 21	4610.00 16	3830.00 11	3110.00 12	2180.00 17	2100.00 12	1870.00 12	1480.00 14
1982	9560.00 17	6220.00 19	4160.00 21	3020.00 17	2870.00 17	2530.00 13	2380.00 9	2190.00 5	1820.00 7
1983	8730.00 19	6580.00 18	4400.00 19	2810.00 20	2440.00 22	1900.00 21	1550.00 23	1320.00 25	1380.00 16
1984	6560.00 25	5350.00 23	3690.00 22	2980.00 18	2770.00 18	2460.00 14	2100.00 13	1810.00 13	1530.00 13
1985	13500.00 6	12100.00 4	7520.00 3	4610.00 5	3540.00 6	3210.00 3	2670.00 3	2190.00 6	1900.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1955	300.00 1
1956	737.00 12
1957	601.00 8
1958	1560.00 30
1959	1170.00 26
1960	716.00 11
1961	669.00 10
1962	1130.00 22
1963	872.00 19
1964	511.00 4
1965	642.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1954	161.00 32
1955	435.00 29
1956	868.00 18
1957	1210.00 4
1958	1100.00 8
1959	957.00 14
1960	828.00 20
1961	925.00 15
1962	974.00 13
1963	646.00 25
1964	629.00 26

03360000 EEL RIVER AT BOWLING GREEN, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	450.00	3
1967	583.00	6
1968	867.00	18
1969	1150.00	24
1970	851.00	16
1971	781.00	13
1972	581.00	5
1973	1140.00	23
1974	1570.00	31
1975	1430.00	28
1976	867.00	17
1977	321.00	2
1978	807.00	14
1979	1160.00	25
1980	1510.00	29
1981	596.00	7
1982	1300.00	27
1983	929.00	20
1984	837.00	15
1985	1100.00	21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	519.00	28
1966	286.00	31
1967	752.00	22
1968	1090.00	9
1969	982.00	12
1970	863.00	19
1971	677.00	23
1972	675.00	24
1973	1500.00	1
1974	1490.00	2
1975	1180.00	5
1976	625.00	27
1977	415.00	30
1978	1180.00	6
1979	1490.00	3
1980	993.00	11
1981	870.00	17
1982	1090.00	10
1983	805.00	21
1984	871.00	16
1985	1180.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1954	27.70	33.90	57.20	159.00	178.00	353.00	622.00	233.00	165.00	39.40	56.90	13.90
1955	55.80	211.00	123.00	698.00	579.00	828.00	1374.00	456.00	423.00	265.00	58.60	181.00
1956	650.00	1638.00	419.00	153.00	1895.00	1428.00	1275.00	899.00	1271.00	713.00	101.00	58.40
1957	35.30	76.30	511.00	819.00	858.00	634.00	3107.00	1983.00	4077.00	1959.00	381.00	96.30
1958	303.00	1109.00	2681.00	2021.00	507.00	483.00	389.00	975.00	1640.00	1250.00	1232.00	509.00
1959	228.00	795.00	458.00	1498.00	3151.00	2080.00	1411.00	997.00	509.00	131.00	311.00	89.40
1960	217.00	410.00	755.00	1055.00	1887.00	882.00	767.00	773.00	1547.00	1475.00	123.00	92.90
1961	37.60	72.40	106.00	116.00	327.00	2548.00	2650.00	3374.00	1246.00	151.00	214.00	211.00
1962	95.00	381.00	566.00	1456.00	1410.00	1828.00	1448.00	1084.00	538.00	1502.00	162.00	1251.00
1963	322.00	221.00	135.00	284.00	248.00	3207.00	2346.00	433.00	135.00	156.00	192.00	37.00
1964	24.10	34.50	29.00	167.00	164.00	2408.00	2848.00	1473.00	187.00	148.00	37.00	20.30
1965	99.50	29.70	38.00	325.00	1451.00	1136.00	1472.00	681.00	354.00	485.00	65.20	180.00
1966	66.90	73.40	187.00	655.00	766.00	450.00	515.00	462.00	91.40	93.80	30.90	68.40
1967	46.60	275.00	2173.00	795.00	1016.00	1425.00	1093.00	1620.00	307.00	87.60	135.00	32.80
1968	98.70	143.00	2440.00	1255.00	2114.00	1103.00	1655.00	1795.00	2136.00	178.00	159.00	55.80
1969	51.70	353.00	1024.00	2863.00	2673.00	956.00	1888.00	419.00	352.00	768.00	357.00	207.00
1970	613.00	1504.00	598.00	699.00	1601.00	1298.00	1569.00	1808.00	397.00	95.00	71.60	177.00
1971	146.00	200.00	202.00	377.00	2642.00	1846.00	285.00	666.00	1102.00	500.00	175.00	144.00
1972	524.00	81.60	1108.00	891.00	471.00	994.00	1978.00	964.00	673.00	145.00	110.00	157.00
1973	489.00	2594.00	1748.00	1493.00	1127.00	2208.00	2576.00	1102.00	1738.00	1729.00	1084.00	136.00
1974	167.00	880.00	2000.00	2889.00	2345.00	2260.00	1703.00	2337.00	2014.00	647.00	274.00	466.00
1975	210.00	653.00	1324.00	2501.00	2863.00	2247.00	2396.00	1073.00	423.00	155.00	273.00	124.00
1976	91.50	191.00	981.00	1012.00	1806.00	1926.00	462.00	153.00	256.00	365.00	174.00	106.00
1977	80.30	70.40	38.10	27.50	587.00	1547.00	935.00	663.00	122.00	459.00	291.00	160.00
1978	568.00	449.00	2095.00	887.00	209.00	2741.00	1902.00	2335.00	1006.00	717.00	699.00	456.00
1979	227.00	451.00	990.00	1195.00	1179.00	2735.00	2185.00	1089.00	403.00	2395.00	2656.00	2346.00
1980	702.00	936.00	1544.00	966.00	801.00	2006.00	2144.00	431.00	766.00	343.00	900.00	369.00
1981	252.00	203.00	237.00	157.00	913.00	506.00	976.00	3083.00	1237.00	1889.00	532.00	436.00
1982	246.00	217.00	482.00	1827.00	2346.00	2408.00	2152.00	1009.00	1160.00	899.00	268.00	148.00
1983	81.00	217.00	2381.00	1301.00	837.00	687.00	1639.00	1391.00	742.00	228.00	83.20	56.70
1984	193.00	492.00	1572.00	314.00	1363.00	1986.00	2585.00	1235.00	349.00	224.00	87.70	87.10
1985	155.00	973.00	1481.00	1207.00	2314.00	2580.00	2587.00	1049.00	540.00	288.00	796.00	261.00

## WABASH RIVER BASIN

03360000 EEL RIVER AT BOWLING GREEN, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
70.20	96.90	191.00	317.00	581.00	901.00
FIFTIETH PERCENTILE					
161.00	248.00	677.00	889.00	1153.00	1688.00
SEVENTY FIFTH PERCENTILE					
290.00	760.00	1565.00	1417.00	2059.00	2257.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1005.00	664.00	350.00	152.00	91.00	73.10
FIFTIETH PERCENTILE					
1647.00	1029.00	539.00	354.00	184.00	146.00
SEVENTY FIFTH PERCENTILE					
2306.00	1583.00	1244.00	866.00	375.00	249.00



## 03360500 WHITE RIVER AT NEWBERRY, IN

LOCATION.--Lat 38°55'39", long 87°00'41", in NE¼NW¼ sec.30, T.6 N., R.5 W., Greene County, Hydrologic Unit 05120202, on left bank 0.4 mi upstream from bridge on State Highway 57 at Newberry, 1.9 mi downstream from Doans Creek, and at mile 113.0.

DRAINAGE AREA.--4,688 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1928 to September 1985. Prior to October 1948, published as West Fork White River at Newberry.

GAGE.--Water-stage recorder. Datum of gage is 465.59 ft above National Geodetic Vertical Datum of 1929. Nonrecording gage prior to Oct. 21, 1928. Prior to Aug. 5, 1982, recording gage 0.3 mi downstream at same datum.

REMARKS.--Flow regulated by upstream reservoirs.

AVERAGE DISCHARGE.--57 years, 4,746 ft<sup>3</sup>/s, 13.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,900 ft<sup>3</sup>/s May 21, 1943, gage height, 24.19 ft; minimum daily, 200 ft<sup>3</sup>/s Oct. 1, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1875, 27.5 ft Mar. 27, 1913, from floodmarks by Indiana Department of Highways, discharge, 130,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1929								5	13	16	23	17	23	12	15	28	25	18	15	26	21	25	11	16	7	7	12	9	11	8	2					
1930					18	30	18	24	8	11	16	26	12	10	19	19	16	20	15	19	17	18	7	6	2	5	2	9	6	1	2	2	6	1		
1931					30	74	38	35	30	26	22	10	25	13	22	8	8	8	9	2				4	1											
1932						12	20	37	38	15	15	19	25	21	12	32	21	17	14	14	15	10	7	5	1	6	2	6	2							
1933						22	19	20	19	7	14	12	11	19	9	18	30	22	21	15	20	21	7	17	9	9	10	6	4	1	3					
1934				4	5	9	22	75	56	52	29	27	13	19	11	6	10	8	5	4	4	3	1	2												
1935					17	22	24	27	34	44	19	28	17	12	25	18	16	10	8	6	10	4	6	3	4	1	4	3	3							
1936				16	12	26	31	29	14	15	26	33	20	18	14	16	16	10	18	10	7	5	10	7	4	1	2	2	1	3						
1937					5	5	15	44	23	25	12	17	17	15	13	21	24	22	10	18	15	7	8	14	14	4	4	2	4	4	1	2				
1938							8	16	26	18	23	32	34	17	19	22	14	18	19	10	10	11	10	13	6	16	4	8	6	5						
1939				4	14	4	46	14	15	28	11	18	28	22	16	20	21	19	11	11	11	5	11	5	7	3	4	6	3	4	3	1				
1940				12	12	44	52	48	15	20	11	18	13	7	9	14	20	16	13	4	11	13	2	3												
1941	9	43	19	33	27	22	46	63	32	16	15	7	5	6	5	3	3	3	1	1			3	3												
1942	3		1		6	4	3	10	24	60	24	23	14	15	18	21	17	22	16	17	17	8	9	9	10	4	3	5	2							
1943					1	21	12	13	18	8	15	19	24	34	44	28	24	20	14	17	8	8	8	2	4	3	1	6	3	3	3	1	2	1		
1944					6	20	76	56	37	15	16	8	16	4	5	5	4	14	15	14	14	8	6	4	2	4	4	1	4	2	2	2				
1945				1	29	56	43	4	1	10	17	3	3	8	8	20	22	11	12	23	17	11	5	7	13	5	8	5	10	5	3	3	1	1		
1946					7	15	8	8	8	9	8	28	30	18	42	22	17	19	20	21	18	20	13	11	13	6	4									
1947				3	14	13	9	15	9	14	15	25	26	26	17	18	23	17	22	18	23	12	9	7	4	9	13	4								
1948					17	40	45	29	18	31	25	20	11	10	20	12	16	15	9	11	4	6	5	3	3	7	6	1	2							
1949				3	9	4	15	21	24	15	14	22	21	19	26	36	18	23	17	10	15	7	5	7	4	5	9	12	1	3						
1950					5	18	26	21	14	21	11	10	16	21	16	15	26	19	24	21	16	7	6	2	12	8	5	10	10	2	2	1				
1951					8	22	14	20	12	11	13	16	30	20	21	20	19	35	23	25	9	9	7	11	10	7	3									
1952					4	17	17	20	18	9	9	14	24	22	11	19	27	18	21	16	20	14	16	14	9	17	10									
1953					4	28	37	22	10	6	14	29	20	27	23	22	24	25	17	14	11	10	11	2	4		3	2								
1954				11	38	93	31	25	14	6	21	15	20	14	23	15	6	11	7	10	2	1	2													
1955				8	11	12	31	37	12	10	18	14	22	17	24	28	15	13	23	24	8	6	12	11	7	2										
1956					2	7	5	6	11	19	34	17	20	19	21	23	20	19	25	43	27	6	10	7	9	4	7	3	1	1						
1957				19	25	14	3	2	7	26	6	22	19	7	16	28	22	13	8	18	26	19	12	16	10	3	6	4	5	4	4	1				
1958							3	3	10	12	5	22	28	40	27	36	35	26	25	19	15	19	7	4	7	3	6	5	4	4						
1959					2	8	2	18	8	20	39	29	21	21	16	9	8	16	30	28	22	19	25	7	2	1	3	5	4	2						
1960					11	11	8	9	31	24	12	17	28	30	32	30	30	34	21	10	7	5	3	3	4	3	1	2								
1961					14	51	50	21	17	14	17	23	14	16	10	5	3	9	11	16	16	10	8	4	5	8	7	7	3	2			2	2		
1962						24	14	16	11	27	35	30	37	20	22	15	27	25	22	7	7	6	7	5	6	2										
1963					6	16	5	9	31	100	31	33	18	21	10	13	5	12	8	5	6	10	1	3	3	3	6	1	2	1	1					
1964				21	86	29	18	20	19	22	16	22	9	14	6	3	2	10	15	9	10	5	4	3	4	4	2	5	3	1	2	2				
1965				28	29	22	22	28	24	14	14	14	9	24	22	21	20	13	10	10	7	6	8	13	3	1	3									
1966				16	13	14	24	49	45	32	30	21	12	25	19	12	16	11	8	4	3	4	2	4	1											
1967				1	18	22	28	15	21	22	13	9	9	15	20	16	13	24	27	15	15	20	6	12	14	2	1	2	2	2	1					
1968					7	4	12	36	23	10	17	9	46	21	12	18	25	21	26	13	17	13	7	4	5	4	4	4	5			2	1			
1969					3	32	8	9	10	16	15	27	45	29	26	29	22	22	13	9	7	6	13	8	9		1	2			3	1				
1970					3	16	20	21	24	24	24	25	28	12	28	27	29	14	16	12	12	9	9	6	2	4										
1971					8	23	14	37	52	44	21	31	24	21	10	9	16	10	9	16	10	9	14	5	3	3	4	2	1	4						
1972					24	36	20	23	12	17	18	35	30	28	28	15	14	12	12	11	1	6	11	3	6	4										
1973							10	10	10	10	21	13	15	22	22	24	27	34	27	28	30	18	15	14	19	6										
1974							6	18	30	23	11	10	14	11	17	21	19	31	32	32	16	19	20	11	14	10										
1975								12	20	34	26	14	12	23	18	28	13	16	18	44	27	12	8	13	7	11	4	2	2	1						

## WABASH RIVER BASIN

03360500 WHITE RIVER AT MEMBERRY, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976				11	20	21	23	36	28	27	28	21	22	20	11	16	21	14	13	10	8	8	5	3				
1977	21	19	18	52	22	33	36	26	18	12	18	19	7	11	12	8	7	4	4	4	7	4	3					
1978							6	20	41	33	38	29	15	24	24	19	17	29	17	11	8	7	6	6	6	5	2	2
1979						14	16	5	7	4	23	43	19	36	30	27	25	18	17	14	18	6	4	8	11	9	6	5
1980								12	21	24	32	35	42	37	23	20	25	9	21	18	16	21	6	4				
1981			1	6	17	50	35	20	35	18	15	12	16	27	23	21	21	16	5	1	4	5	5	5	2	3	2	
1982					10	18	40	35	17	10	10	16	12	20	18	38	18	16	22	18	12	9	4	7	13	2		
1983		9	7	22	34	26	20	11	6	9	23	19	14	22	26	31	23	14	13	8	3	5	6	4	5	4	1	
1984		7	4	23	27	15	16	12	23	18	27	20	10	15	14	24	18	20	24	11	8	8	7	7	8			
1985			4	8	14	16	19	25	12	24	23	27	32	21	27	29	14	17	8	6	8	9	9	3	4	4	2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20819	100.00	12	1400.0	1137	13585	65.25	24	12000.0	391	1927	9.26
1	200.0	12	20819	100.00	13	1700.0	948	12448	59.79	25	14000.0	396	1536	7.38
2	240.0	72	20807	99.94	14	2000.0	1200	11500	55.24	26	17000.0	267	1140	5.48
3	290.0	92	20735	99.60	15	2400.0	1216	10300	49.47	27	20000.0	308	873	4.19
4	340.0	379	20643	99.15	16	2900.0	956	9084	43.63	28	24000.0	241	565	2.71
5	410.0	683	20264	97.33	17	3400.0	1105	8128	39.04	29	29000.0	139	324	1.56
6	490.0	662	19581	94.05	18	4100.0	1010	7023	33.73	30	35000.0	86	185	0.89
7	580.0	837	18919	90.87	19	4900.0	1053	6013	28.88	31	41000.0	58	99	0.48
8	690.0	1040	18082	86.85	20	5900.0	964	4960	23.82	32	49000.0	28	41	0.20
9	830.0	1103	17042	81.86	21	7000.0	818	3996	19.19	33	59000.0	11	13	0.06
10	990.0	1320	15939	76.56	22	8300.0	711	3178	15.26	34	70000.0	2	2	0.01
11	1200.0	1034	14619	70.22	23	10000.0	540	2467	11.85					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	467.0
P90 =	604.0
P75 =	1040.0
P70 =	1210.0
P50 =	2360.0
P25 =	5670.0
P10 =	11400.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1930	570.00 31	575.00 29	584.00 28	606.00 27	632.00 26	799.00 28	1010.00 34	1350.00 37	3000.00 47
1931	355.00 8	358.00 7	367.00 8	380.00 8	391.00 7	417.00 6	445.00 5	446.00 3	470.00 3
1932	388.00 16	411.00 17	441.00 18	472.00 17	537.00 21	909.00 36	1130.00 37	1170.00 31	1480.00 25
1933	587.00 32	603.00 34	633.00 33	702.00 38	1040.00 45	1450.00 49	1850.00 48	1920.00 46	2150.00 42
1934	605.00 36	631.00 38	641.00 34	647.00 31	675.00 31	856.00 34	965.00 30	987.00 23	1100.00 16
1935	374.00 13	381.00 15	414.00 16	480.00 20	535.00 20	670.00 20	779.00 19	919.00 20	1080.00 15
1936	425.00 18	432.00 18	437.00 17	475.00 18	505.00 17	589.00 16	766.00 18	933.00 21	1130.00 17
1937	251.00 3	251.00 3	255.00 3	268.00 3	320.00 3	355.00 2	416.00 3	481.00 7	932.00 14
1938	718.00 45	736.00 44	812.00 46	891.00 47	1200.00 51	1750.00 51	1920.00 49	2030.00 47	2340.00 44
1939	587.00 33	587.00 30	597.00 29	614.00 29	627.00 25	698.00 22	894.00 24	1090.00 28	1610.00 32
1940	351.00 7	355.00 6	360.00 7	370.00 7	390.00 6	459.00 11	480.00 10	473.00 6	652.00 7
1941	238.00 2	241.00 2	247.00 2	253.00 2	257.00 1	283.00 1	324.00 1	345.00 1	459.00 2
1942	200.00 1	205.00 1	211.00 1	232.00 1	304.00 2	396.00 5	454.00 7	529.00 9	904.00 13
1943	482.00 22	490.00 23	504.00 23	507.00 21	542.00 22	665.00 19	884.00 23	1000.00 25	1960.00 37
1944	494.00 24	499.00 24	509.00 24	516.00 22	531.00 19	735.00 24	703.00 16	762.00 15	868.00 12
1945	280.00 4	293.00 4	304.00 5	315.00 5	337.00 5	377.00 3	377.00 2	382.00 2	431.00 1
1946	742.00 46	747.00 45	775.00 44	814.00 45	885.00 41	1760.00 52	2230.00 52	2850.00 53	3230.00 50
1947	408.00 17	408.00 16	412.00 15	430.00 15	465.00 14	509.00 13	591.00 14	762.00 16	1220.00 20
1948	646.00 41	649.00 41	662.00 39	692.00 35	813.00 37	837.00 32	875.00 22	998.00 24	1530.00 26
1949	486.00 23	486.00 22	494.00 21	520.00 23	657.00 29	797.00 26	930.00 29	1510.00 42	1990.00 39
1950	640.00 40	648.00 40	687.00 40	767.00 41	940.00 43	1310.00 46	1340.00 43	1530.00 43	1710.00 34
1951	714.00 44	756.00 46	788.00 45	813.00 44	948.00 44	1690.00 50	2480.00 54	2230.00 49	3040.00 49
1952	557.00 28	559.00 27	576.00 27	621.00 30	644.00 27	712.00 23	868.00 21	1330.00 36	2090.00 40
1953	560.00 29	564.00 28	571.00 26	586.00 26	596.00 24	691.00 21	903.00 25	955.00 22	1240.00 21
1954	374.00 14	380.00 14	384.00 12	389.00 11	402.00 9	421.00 7	458.00 8	462.00 5	646.00 6
1955	295.00 5	298.00 5	301.00 4	307.00 4	324.00 4	395.00 4	451.00 6	536.00 10	583.00 4

## 03360500 WHITE RIVER AT NEWBERRY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	359.00 10	368.00 10	374.00 9	393.00 12	472.00 15	742.00 25	1340.00 44	1680.00 44	2150.00 41
1957	374.00 15	376.00 13	379.00 11	386.00 9	420.00 11	450.00 9	549.00 13	684.00 14	1140.00 18
1958	750.00 47	763.00 47	847.00 48	999.00 51	1150.00 50	1330.00 47	1640.00 47	2240.00 50	5230.00 56
1959	1150.00 55	1200.00 55	1240.00 55	1270.00 55	1390.00 54	1790.00 53	2220.00 51	2900.00 54	3950.00 54
1960	465.00 21	481.00 21	502.00 22	579.00 25	658.00 30	815.00 30	1040.00 35	1200.00 32	1550.00 29
1961	444.00 20	446.00 20	465.00 20	480.00 19	496.00 16	543.00 15	599.00 15	614.00 13	709.00 9
1962	635.00 39	635.00 39	656.00 37	699.00 36	820.00 39	940.00 38	977.00 31	1210.00 33	1530.00 27
1963	860.00 50	860.00 50	869.00 49	952.00 49	1060.00 47	1220.00 43	1230.00 39	1270.00 34	1540.00 28
1964	360.00 11	360.00 8	360.00 6	367.00 6	404.00 10	445.00 8	445.00 4	457.00 4	586.00 5
1965	358.00 9	368.00 9	374.00 10	387.00 10	446.00 13	455.00 10	474.00 9	486.00 8	663.00 8
1966	526.00 26	549.00 26	616.00 31	679.00 34	763.00 34	807.00 29	921.00 27	1080.00 27	1250.00 22
1967	367.00 12	371.00 11	391.00 14	403.00 14	423.00 12	517.00 14	547.00 12	581.00 11	837.00 11
1968	500.00 25	502.00 25	513.00 25	525.00 24	561.00 23	660.00 18	786.00 20	872.00 17	1140.00 19
1969	677.00 42	695.00 42	710.00 42	733.00 39	746.00 33	825.00 31	997.00 32	1450.00 39	1980.00 38
1970	1050.00 53	1070.00 53	1130.00 53	1230.00 53	1480.00 55	1830.00 54	2450.00 53	3280.00 55	3280.00 51
1971	616.00 38	629.00 37	691.00 41	737.00 40	819.00 38	962.00 39	1080.00 36	1140.00 30	1260.00 23
1972	593.00 35	603.00 35	607.00 30	610.00 28	648.00 28	858.00 35	926.00 28	908.00 18	1390.00 24
1973	695.00 43	724.00 43	754.00 43	774.00 42	867.00 40	1040.00 40	1300.00 42	1830.00 45	2480.00 45
1974	957.00 52	962.00 52	990.00 52	1060.00 52	1130.00 49	1240.00 44	1360.00 46	2200.00 48	3680.00 53
1975	1130.00 54	1150.00 54	1190.00 54	1250.00 54	1350.00 53	2170.00 55	2600.00 55	2530.00 52	3450.00 52
1976	810.00 48	813.00 48	821.00 47	831.00 46	917.00 42	1140.00 41	1270.00 40	1370.00 38	1750.00 35
1977	350.00 6	373.00 12	387.00 13	394.00 13	401.00 8	462.00 12	535.00 11	601.00 12	712.00 10
1978	592.00 34	602.00 33	660.00 38	789.00 43	1060.00 48	1280.00 45	1350.00 45	1330.00 35	1590.00 31
1979	890.00 51	895.00 51	921.00 51	959.00 50	1230.00 52	1410.00 48	1980.00 50	2450.00 51	3000.00 48
1980	1530.00 56	1550.00 56	1600.00 56	1720.00 56	2110.00 56	2590.00 56	3630.00 56	4860.00 56	5100.00 55
1981	540.00 27	587.00 31	631.00 32	667.00 33	767.00 35	912.00 37	997.00 33	1020.00 26	1570.00 30
1982	841.00 49	849.00 49	874.00 50	950.00 48	1050.00 46	1220.00 42	1220.00 38	1480.00 40	2220.00 43
1983	612.00 37	617.00 36	647.00 36	700.00 37	808.00 36	845.00 33	1270.00 41	1510.00 41	2550.00 46
1984	435.00 19	441.00 19	450.00 19	468.00 16	520.00 18	613.00 17	724.00 17	910.00 19	1630.00 33
1985	565.00 30	591.00 32	641.00 35	652.00 32	677.00 32	799.00 27	917.00 26	1100.00 29	1790.00 36

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1929	37800.00 24	34900.00 26	31900.00 25	23700.00 24	17200.00 25	13400.00 27	11700.00 23	10900.00 18	10900.00 6
1930	59300.00 7	57900.00 6	54900.00 2	43700.00 2	28200.00 4	19100.00 5	15900.00 3	13200.00 7	9810.00 14
1931	10600.00 56	9810.00 56	5830.00 57	3730.00 57	3040.00 57	2680.00 56	2200.00 56	2060.00 56	1770.00 56
1932	37000.00 26	35200.00 25	32900.00 24	27500.00 14	18700.00 18	14200.00 24	11600.00 24	9650.00 27	7300.00 32
1933	55600.00 9	53100.00 8	42500.00 7	28600.00 13	19500.00 14	18700.00 6	16300.00 2	13800.00 3	12600.00 2
1934	13400.00 54	12600.00 54	10200.00 53	6710.00 53	5330.00 53	3840.00 53	2920.00 55	2480.00 55	2120.00 55
1935	32300.00 31	30900.00 31	27700.00 30	21900.00 28	14000.00 37	9200.00 43	7290.00 47	6690.00 45	5110.00 47
1936	27100.00 43	25800.00 43	21200.00 43	13100.00 49	9300.00 50	7880.00 48	6590.00 49	5310.00 50	4000.00 50
1937	61100.00 6	58800.00 5	51300.00 4	42400.00 4	30300.00 2	20800.00 3	15500.00 7	13700.00 4	10700.00 9
1938	46000.00 18	42800.00 18	34800.00 19	33800.00 5	29000.00 3	21000.00 2	15600.00 5	13700.00 5	10800.00 8
1939	49300.00 14	48200.00 11	40900.00 10	26300.00 17	16100.00 28	15000.00 17	14200.00 9	11800.00 14	8660.00 22
1940	31800.00 33	30100.00 33	26100.00 33	16800.00 40	11500.00 45	7250.00 52	5620.00 52	4970.00 52	3720.00 52
1941	11200.00 55	10100.00 55	9340.00 55	6590.00 54	4160.00 56	2430.00 57	2130.00 57	1780.00 57	1440.00 57
1942	31500.00 34	30400.00 32	25700.00 34	15900.00 41	12700.00 42	10600.00 36	9920.00 34	8550.00 34	7190.00 33
1943	76000.00 1	69200.00 1	53100.00 3	43700.00 3	27200.00 5	15700.00 11	13300.00 14	10900.00 19	8590.00 23
1944	52600.00 11	49500.00 10	41900.00 9	29200.00 11	21000.00 13	14200.00 25	11300.00 28	9210.00 30	6350.00 41
1945	49800.00 13	44900.00 15	36400.00 17	24100.00 22	14200.00 35	12400.00 31	11800.00 20	11700.00 15	8750.00 20
1946	23300.00 48	22300.00 48	18900.00 48	14200.00 46	10900.00 47	8250.00 46	8320.00 42	7610.00 41	7180.00 34
1947	28600.00 37	28100.00 37	24900.00 36	19800.00 35	14700.00 33	13400.00 26	11600.00 25	9490.00 28	8150.00 27
1948	41800.00 23	39600.00 23	33600.00 23	23700.00 23	23100.00 9	14700.00 19	11600.00 26	9760.00 26	7460.00 31
1949	48900.00 15	45900.00 13	38800.00 13	32000.00 9	26300.00 6	19500.00 4	15800.00 4	13700.00 6	10300.00 11
1950	70400.00 2	67500.00 2	56800.00 1	49200.00 1	39200.00 1	29700.00 1	23600.00 1	20300.00 1	15000.00 1
1951	30000.00 36	28800.00 36	27100.00 31	21900.00 29	14900.00 32	12000.00 32	11200.00 29	10700.00 22	9650.00 16
1952	28500.00 38	27600.00 38	25300.00 35	23200.00 25	16900.00 26	14200.00 20	13700.00 13	12400.00 10	10300.00 12
1953	26000.00 45	24800.00 45	20800.00 44	14100.00 47	11900.00 44	8750.00 45	7810.00 46	6670.00 46	5490.00 46
1954	9100.00 57	8460.00 57	6920.00 56	5940.00 56	4980.00 55	3710.00 54	3150.00 54	2720.00 54	2150.00 54
1955	14500.00 53	13700.00 52	12300.00 52	9150.00 52	8300.00 51	7430.00 50	6270.00 50	5750.00 49	4810.00 49
1956	35200.00 29	32300.00 29	24500.00 37	15600.00 43	11400.00 46	9570.00 41	8240.00 43	8220.00 39	7150.00 35
1957	51000.00 12	45300.00 14	34400.00 21	25500.00 19	18400.00 20	15800.00 10	15000.00 8	13900.00 2	10900.00 7
1958	46200.00 17	43600.00 17	37500.00 14	29100.00 12	18500.00 19	13200.00 28	10300.00 32	9220.00 29	7700.00 30
1959	35800.00 27	33900.00 27	29000.00 28	20300.00 33	18300.00 21	14200.00 21	11800.00 21	10700.00 23	8360.00 25
1960	32200.00 32	29300.00 35	20100.00 45	13500.00 48	9480.00 49	7350.00 51	6640.00 48	6050.00 48	5830.00 44

## WABASH RIVER BASIN

03360500 WHITE RIVER AT MEMBERRY, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	67100.00	3	62500.00	3	48000.00	6	32300.00	6	24000.00	8	17900.00	7	15500.00	6	12900.00	9	9080.00	18
1962	27800.00	41	25600.00	44	20000.00	46	14800.00	45	13400.00	41	10400.00	39	9340.00	35	8130.00	40	6490.00	39
1963	55600.00	10	47700.00	12	37000.00	15	26600.00	16	21100.00	12	14200.00	22	10500.00	30	8360.00	37	5930.00	43
1964	56600.00	8	52100.00	9	40000.00	11	25800.00	18	17700.00	24	15500.00	14	11600.00	27	9130.00	31	6540.00	38
1965	22400.00	49	21500.00	49	17800.00	49	11400.00	51	10000.00	48	8080.00	47	8030.00	44	6650.00	47	5080.00	48
1966	14600.00	52	13500.00	53	10000.00	54	6580.00	55	5230.00	54	3700.00	55	3810.00	53	3580.00	53	3060.00	53
1967	43800.00	20	41000.00	20	34800.00	20	22400.00	26	14400.00	34	9350.00	42	8530.00	39	8390.00	35	8150.00	26
1968	64700.00	5	56000.00	7	42100.00	8	26800.00	15	16100.00	29	11400.00	34	10500.00	31	10100.00	25	9270.00	17
1969	65600.00	4	60000.00	4	48300.00	5	32200.00	7	24100.00	7	15600.00	12	11800.00	22	11300.00	16	8710.00	21
1970	26800.00	44	25900.00	42	23500.00	41	16900.00	39	12000.00	43	8980.00	44	8690.00	38	8380.00	36	7080.00	36
1971	34100.00	30	32200.00	30	27900.00	29	20900.00	32	15100.00	31	10700.00	35	8010.00	45	6890.00	44	5610.00	45
1972	27600.00	42	26500.00	41	23700.00	40	21100.00	30	15800.00	30	10200.00	40	8380.00	41	7150.00	43	6380.00	40
1973	25200.00	46	24600.00	46	21700.00	42	19100.00	37	18000.00	22	15000.00	15	11900.00	19	10900.00	20	11100.00	5
1974	28000.00	40	27000.00	39	24300.00	38	19300.00	36	14100.00	36	12600.00	30	12300.00	17	12000.00	12	11300.00	4
1975	43700.00	21	40700.00	21	34300.00	22	22200.00	27	17700.00	23	14900.00	18	13800.00	10	13000.00	8	10600.00	10
1976	23700.00	47	22300.00	47	19500.00	47	15700.00	42	13500.00	40	10500.00	37	9080.00	37	8240.00	38	6300.00	42
1977	18500.00	51	18100.00	51	14900.00	51	11900.00	50	8290.00	52	7460.00	49	6200.00	51	5050.00	51	3810.00	51
1978	44400.00	19	41600.00	19	36800.00	16	32000.00	8	21800.00	11	15000.00	16	13000.00	15	10800.00	21	8960.00	19
1979	47700.00	16	44700.00	16	40000.00	12	31200.00	10	22600.00	10	16600.00	9	12900.00	16	11100.00	17	11400.00	3
1980	22000.00	50	20000.00	50	17000.00	50	14900.00	44	13700.00	38	11700.00	33	9310.00	36	8830.00	32	7860.00	29
1981	37300.00	25	36400.00	24	31800.00	26	24400.00	21	18800.00	16	13000.00	29	10100.00	33	8630.00	33	6930.00	37
1982	31000.00	35	29700.00	34	26900.00	32	21100.00	31	18700.00	17	15600.00	13	13700.00	11	12100.00	11	9750.00	15
1983	35400.00	28	33600.00	28	29200.00	27	18000.00	38	13600.00	39	10400.00	38	8520.00	40	7350.00	42	7930.00	28
1984	28200.00	39	26700.00	40	23700.00	39	20200.00	34	16500.00	27	14200.00	23	11900.00	18	10300.00	24	8570.00	24
1985	42400.00	22	40300.00	22	35000.00	18	24500.00	20	19100.00	15	17100.00	8	13700.00	12	11900.00	13	9940.00	13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1930	8120.00	56
1931	1310.00	1
1932	4360.00	27
1933	5280.00	35
1934	4090.00	22
1935	1760.00	2
1936	3590.00	15
1937	5290.00	36
1938	5670.00	38
1939	6250.00	42
1940	2700.00	9
1941	1780.00	3
1942	2800.00	10
1943	4180.00	24
1944	4400.00	28
1945	3640.00	18
1946	6590.00	46
1947	3340.00	12
1948	5430.00	37
1949	7120.00	51
1950	7630.00	53
1951	6520.00	45
1952	6020.00	41
1953	4090.00	23
1954	2130.00	5
1955	2320.00	6
1956	4220.00	25
1957	3600.00	16
1958	7940.00	55
1959	6950.00	49
1960	3890.00	20
1961	3520.00	14
1962	5900.00	39
1963	3970.00	21
1964	2680.00	8
1965	3640.00	17
1966	2620.00	7
1967	3830.00	19
1968	4550.00	30
1969	6310.00	44
1970	4940.00	32

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1929	6620.00	7
1930	5410.00	21
1931	1250.00	56
1932	4630.00	33
1933	7450.00	4
1934	1650.00	54
1935	3050.00	47
1936	2330.00	50
1937	6460.00	10
1938	7040.00	6
1939	4930.00	27
1940	2080.00	52
1941	958.00	57
1942	4360.00	37
1943	5280.00	22
1944	3500.00	45
1945	4760.00	30
1946	4800.00	29
1947	4960.00	26
1948	4420.00	35
1949	6050.00	15
1950	8750.00	1
1951	6000.00	16
1952	6470.00	9
1953	3370.00	46
1954	1310.00	55
1955	2920.00	49
1956	5090.00	24
1957	6220.00	12
1958	6580.00	8
1959	5190.00	23
1960	3970.00	41
1961	4920.00	28
1962	4420.00	36
1963	3560.00	42
1964	3540.00	43
1965	2980.00	48
1966	1920.00	53
1967	4690.00	31
1968	5690.00	18
1969	5690.00	19

03360500 WHITE RIVER AT NEWBERRY, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	4230.00	26
1972	2850.00	11
1973	6810.00	47
1974	7090.00	50
1975	7740.00	54
1976	5060.00	33
1977	2110.00	4
1978	4430.00	29
1979	6280.00	43
1980	7600.00	52
1981	3430.00	13
1982	6870.00	48
1983	4670.00	31
1984	5090.00	34
1985	5920.00	40

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	4570.00	34
1971	3500.00	44
1972	3980.00	39
1973	7730.00	3
1974	7370.00	5
1975	6360.00	11
1976	3980.00	40
1977	2290.00	51
1978	6070.00	14
1979	7900.00	2
1980	5660.00	20
1981	4120.00	38
1982	5890.00	17
1983	4690.00	32
1984	5080.00	25
1985	6080.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1929	1711.0	2922.0	3940.0	13100.0	5130.0	9110.0	9514.0	16210.0	6262.0	8925.0	1418.0	859.00
1930	807.00	2365.0	8537.0	26780.0	8714.0	6679.0	5539.0	2446.0	1270.0	797.00	426.00	526.00
1931	421.00	417.00	541.00	494.00	705.00	2203.0	2908.0	1404.0	1140.0	1671.0	567.00	2524.0
1932	1891.0	3603.0	8322.0	18120.0	6902.0	3205.0	2488.0	2248.0	2164.0	2875.0	1553.0	2047.0
1933	2371.0	5397.0	8329.0	12950.0	5728.0	15010.0	14230.0	18830.0	2999.0	1154.0	993.00	1049.0
1934	1311.0	811.00	1601.0	1295.0	833.00	3765.0	3790.0	1089.0	1183.0	729.00	2109.0	1207.0
1935	872.00	666.00	1005.0	2616.0	1157.0	4666.0	2498.0	13610.0	4402.0	2974.0	1200.0	670.00
1936	556.00	1425.0	1099.0	1867.0	4574.0	8099.0	5253.0	3094.0	871.00	536.00	323.00	397.00
1937	820.00	5379.0	1341.0	29640.0	11260.0	4806.0	8539.0	6528.0	3245.0	1919.0	2513.0	1758.0
1938	3782.0	1400.0	8363.0	3255.0	8515.0	18220.0	19760.0	4751.0	5873.0	7582.0	2140.0	985.00
1939	645.00	1346.0	1398.0	4577.0	12350.0	14310.0	15480.0	3024.0	2944.0	1935.0	1318.0	513.00
1940	425.00	540.00	493.00	910.00	2637.0	2468.0	9763.0	4209.0	2340.0	666.00	403.00	317.00
1941	259.00	438.00	748.00	758.00	859.00	686.00	1539.0	677.00	4121.0	690.00	308.00	501.00
1942	676.00	2043.0	2292.0	1561.0	10660.0	9154.0	10030.0	4612.0	6728.0	2769.0	1271.0	1231.0
1943	557.00	3304.0	3362.0	3320.0	4538.0	8608.0	3386.0	25090.0	5121.0	2480.0	1855.0	1415.0
1944	562.00	916.00	643.00	929.00	2329.0	7700.0	20340.0	5070.0	1949.0	678.00	626.00	462.00
1945	361.00	408.00	386.00	405.00	1838.0	11260.0	13350.0	8142.0	13640.0	3111.0	2369.0	1910.0
1946	4823.0	3676.0	4637.0	7422.0	7285.0	9017.0	2770.0	10630.0	3824.0	1740.0	1207.0	543.00
1947	484.00	906.00	2763.0	5941.0	5768.0	3620.0	11090.0	10550.0	12130.0	2425.0	2713.0	1395.0
1948	829.00	872.00	934.00	5803.0	3996.0	12400.0	16490.0	4339.0	1782.0	3471.0	1357.0	843.00
1949	751.00	4127.0	5666.0	25810.0	12350.0	8755.0	5160.0	3112.0	2638.0	1712.0	1690.0	1074.0
1950	2350.0	1062.0	4185.0	36920.0	21870.0	10500.0	10740.0	4868.0	5079.0	2515.0	960.00	4823.0
1951	1628.0	6929.0	9779.0	9854.0	13810.0	7957.0	8706.0	4936.0	2658.0	4302.0	1276.0	736.00
1952	910.00	3716.0	8848.0	10070.0	12620.0	13600.0	12140.0	4595.0	6633.0	2422.0	1083.0	1355.0
1953	702.00	735.00	1870.0	3307.0	3111.0	11180.0	6000.0	5872.0	2108.0	3650.0	1242.0	550.00
1954	420.00	443.00	534.00	976.00	1384.0	2345.0	4922.0	1860.0	1411.0	542.00	561.00	358.00
1955	712.00	716.00	877.00	4639.0	3406.0	7886.0	6798.0	3193.0	2858.0	2495.0	832.00	705.00
1956	3088.0	8625.0	3275.0	1422.0	10210.0	7653.0	6785.0	5085.0	9834.0	3722.0	1168.0	777.00
1957	428.00	566.00	2235.0	3803.0	4861.0	4169.0	18270.0	12670.0	10760.0	13210.0	2324.0	1353.0
1958	1565.0	4853.0	16780.0	6996.0	2673.0	3375.0	3507.0	5979.0	15080.0	7214.0	7936.0	2583.0
1959	1667.0	4256.0	3224.0	9154.0	14610.0	8856.0	6898.0	7264.0	3459.0	1309.0	1556.0	752.00
1960	1242.0	2176.0	3437.0	5506.0	9205.0	4100.0	4443.0	3687.0	7453.0	4680.0	1243.0	813.00
1961	510.00	599.00	741.00	694.00	1406.0	15710.0	11990.0	18010.0	4706.0	1725.0	1608.0	992.00
1962	897.00	1608.0	2750.0	7275.0	6629.0	12520.0	4698.0	4629.0	2455.0	5396.0	1559.0	2670.0
1963	1512.0	1442.0	1076.0	1409.0	1200.0	19150.0	8168.0	3440.0	1955.0	1378.0	1111.0	563.00
1964	430.00	499.00	418.00	712.00	922.00	12490.0	16900.0	4985.0	1593.0	2318.0	754.00	489.00
1965	474.00	464.00	549.00	1666.0	7094.0	6898.0	9222.0	3247.0	1798.0	2133.0	874.00	1753.0
1966	984.00	788.00	1007.0	3025.0	4189.0	2721.0	2842.0	4474.0	1197.0	850.00	533.00	600.00
1967	529.00	2494.0	13460.0	3831.0	5700.0	9397.0	6918.0	8676.0	2470.0	1103.0	1018.0	581.00
1968	881.00	1031.0	9280.0	4207.0	12980.0	5712.0	9149.0	13000.0	6754.0	2192.0	2421.0	971.00
1969	756.00	1952.0	4459.0	13320.0	17760.0	3887.0	10190.0	3603.0	2596.0	6099.0	2869.0	1722.0
1970	3042.0	6891.0	3635.0	3475.0	9048.0	5667.0	10310.0	6448.0	2538.0	1200.0	1297.0	842.00
1971	1227.0	1590.0	1738.0	2707.0	13660.0	8029.0	2290.0	3565.0	4247.0	1827.0	1001.0	913.00
1972	1204.0	659.00	5313.0	5296.0	2488.0	5291.0	14900.0	4635.0	3436.0	1695.0	1143.0	1741.0
1973	2815.0	13890.0	8884.0	7912.0	6266.0	14600.0	14650.0	4493.0	7836.0	6009.0	4079.0	1357.0
1974	1285.0	3546.0	8966.0	13260.0	9390.0	10350.0	11050.0	11250.0	10040.0	3233.0	1588.0	4652.0
1975	1536.0	3561.0	6234.0	11060.0	15460.0	13930.0	11090.0	6213.0	3306.0	1669.0	1608.0	1287.0
1976	1110.0	1571.0	5883.0	7112.0	10990.0	9132.0	3067.0	1738.0	2005.0	3075.0	1457.0	743.00
1977	745.00	749.00	598.00	429.00	2541.0	8145.0	5723.0	3295.0	1164.0	1533.0	1555.0	1055.0
1978	2716.0	1915.0	10990.0	3190.0	1595.0	17870.0	9223.0	10190.0	3912.0	4225.0	3233.0	3110.0
1979	1592.0	2261.0	5043.0	7644.0	7542.0	17270.0	11760.0	4254.0	3097.0	13270.0	15900.0	4846.0
1980	2259.0	4748.0	9100.0	5432.0	4453.0	11730.0	10730.0	3818.0	7428.0	2422.0	3943.0	1816.0
1981	1094.0	1046.0	1200.0	771.00	4273.0	2907.0	4979.0	16830.0	7516.0	3904.0	2751.0	2180.0
1982	1172.0	1324.0	2916.0	8117.0	15290.0	15900.0	9019.0	4231.0	5906.0	3625.0	1815.0	2120.0
1983	872.00	1610.0	12550.0	5573.0	4846.0	3908.0	9484.0	10970.0	3374.0	1567.0	844.00	574.00
1984	1223.0	2916.0	7989.0	2156.0	6921.0	13060.0	14300.0	6539.0	2518.0	1704.0	994.00	812.00
1985	957.00	4263.0	7100.0	7530.0	10510.0	14250.0	13930.0	6129.0	2992.0	1621.0	2653.0	1437.0

## WABASH RIVER BASIN

03360500 WHITE RIVER AT NEWBERRY, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
604.00	769.00	1042.00	1614.00	2655.00	4418.00
FIFTIETH PERCENTILE					
910.00	1590.00	3275.00	4577.00	5768.00	8608.00
SEVENTY FIFTH PERCENTILE					
1579.00	3582.00	8156.00	8015.00	10590.00	12510.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
4951.00	3503.00	2136.00	1550.00	994.00	635.00
FIFTIETH PERCENTILE					
9149.00	4751.00	3245.00	2318.00	1318.00	992.00
SEVENTY FIFTH PERCENTILE					
11880.00	8409.00	6084.00	3638.00	2125.00	1747.00

## 03361000 BIG BLUE RIVER AT CARTHAGE, IN

LOCATION.--Lat 39°44'38", long 85°34'33", in SW¼SW¼ sec.18, T.15 N., R.9 E., Rush County, Hydrologic Unit 05120204, on right bank 300 ft upstream from highway bridge, 0.5 mi northwest of Carthage, 2.2 mi downstream from Three Mile Creek, and at mile 50.7.

DRAINAGE AREA.--184 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1950 to September 1985. Prior to October 1961, published as Blue River at Carthage.

GAGE.--Water-stage recorder. Datum of gage is 859.33 ft above National Geodetic Vertical Datum of 1929. Prior to July 19, 1951, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Flow partly regulated by Big Blue River Conservancy District control structures on tributaries to Big Blue River beginning in 1969.

AVERAGE DISCHARGE.--35 years, 199 ft<sup>3</sup>/s, 14.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft<sup>3</sup>/s Mar. 4, 1963, gage height, 14.62 ft, from floodmarks, from rating curve extended above 6,200 ft<sup>3</sup>/s; minimum daily, 17 ft<sup>3</sup>/s Jan. 18, Aug. 5, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1951						14	31	14	23	35	26	26	22	17	27	18	21	19	14	16	7	7	8	7	2	2	3	3	2						1
1952					1	34	44	25	30	20	18	9	29	33	18	22	14	18	10	7	7	7	6	3	1	3	3	2	1				1		
1953					2	27	12	32	41	35	34	43	30	42	16	13	8	6	5	3	2	3	5	3	1	1					1				
1954			14	13	22	31	88	29	12	40	34	20	11	12	7	8	5	5	4	1	4			1	1	1			1	1					
1955			3	8	10	7	9	17	54	31	31	33	24	21	31	15	20	15	9	5	10	2	1	5	1	2	1								
1956					5	23	16	13	28	30	39	33	37	24	28	17	25	9	12	6	4	2	2	4	2	3		1	1		2	1	1		
1957					10	41	13	28	53	48	18	25	18	15	22	14	10	8	8	7	2	5	4	6	3	2	1	1	2	1					
1958						15	9	22	36	59	59	35	27	19	15	6	18	4	9	7	6		4	4	1	4	3				2	1			
1959						22	20	22	16	53	30	15	16	30	36	21	22	11	16	10	10	2	4	3	1		1	1		1	1	1			
1960						25	15	34	31	39	52	43	46	18	16	12	5	5	5	7	3	4	1	3	1			1							
1961						40	80	31	27	20	22	16	26	10	13	6	8	12	11	5	7	7	8	4	1	3	3	2	1	1		1			
1962						45	37	57	43	38	37	24	22	24	9	2	5	4	2	4		4	3	1	2	2									
1963			1	22	8	19	35	86	59	18	14	12	27	7	6	10	8	5	6	4	3	2	5	1	2		1			1	1		1	1	
1964				32	48	67	31	35	19	22	17	11	17	13	10	7	4	4	2	2	7	4	3	3		1	1	2		1			3		
1965					54	41	48	38	28	23	9	22	22	18	13	7	8	8	3	9	4	3		2	1	2	1			1					
1966				19	27	13	15	27	29	67	50	36	20	26	8	5	6	4	2	4		2	3		1	1									
1967					42	40	19	20	15	25	23	34	24	28	19	11	14	11	9	8	6	4	3	4	2	1			1	2					
1968				2	8	11	13	43	36	49	40	45	24	24	11	11	9	8	5	3	7	1	5	2	2	1	3	2			1				
1969						32	31	18	23	50	70	38	28	14	13	10	7	8	3	6		4	4	3		1	1			1	1				
1970					5	33	17	44	60	28	30	35	34	27	13	8	8	6	3	6	1		2	1	3			1							
1971					3	24	24	34	72	36	35	28	26	16	14	9	8	7	7	2	3	2	5	4	2	1		1	1	1					
1972					24	40	44	32	14	39	48	38	17	15	11	9	6	12	1	5	5	1	2	3											
1973						14	19	27	17	13	30	37	31	34	31	24	18	23	15	10	3	4	3	5	2	2	1			1	1				
1974						42	47	32	19	27	36	40	32	18	13	12	7	9	5	8	6	8	2		1	1									
1975					6	30	51	27	24	15	12	22	31	36	21	18	17	12	7	9	8	6	2	3	1	4	1			1	1				
1976					12	18	21	34	49	42	36	28	21	18	17	15	10	7	5	8	7	5	4	3	4	1				1					
1977			8	20	17	46	72	41	34	20	13	16	15	20	11	6	8	3	4	2	1	3	1	1	2	1									
1978						22	18	63	30	28	26	35	26	23	19	15	15	5	7	3	9	8	5	1	2		2	2	1						
1979						3	7	14	12	33	62	56	29	33	21	18	13	11	11	8	9	4	4	3	3	3	1	3			3	1			
1980						4	12	18	14	45	61	37	36	22	28	21	14	15	12	5	4	9	3	4	1	1									
1981						2	95	82	28	23	18	21	28	18	8	8	9	8	2	6	4	1	2				1	1							
1982					4	65	61	25	13	31	27	24	20	13	16	18	10	5	11	3	2	7	5		1	3				1					
1983					14	23	19	29	24	50	41	42	41	16	18	9	11	6	7	5	1	2	2	2	2		1								
1984				3	6	21	29	37	41	20	18	34	27	24	26	15	10	11	12	8	9	5	4	2	2				2						
1985					8	21	13	28	43	26	38	38	39	28	15	15	11	9	6	4	4	7	3	3	1	2					2		1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	12784	100.00	12	110.0	973	6330	49.51	24	890.0	116	373	2.92
1	17.0	11	12784	100.00	13	130.0	1142	5357	41.90	25	1100.0	67	257	2.01
2	20.0	42	12773	99.91	14	160.0	819	4215	32.97	26	1300.0	49	190	1.49
3	24.0	60	12731	99.59	15	190.0	746	3396	26.56	27	1500.0	39	141	1.10
4	29.0	170	12671	99.12	16	230.0	496	2650	20.73	28	1800.0	34	102	0.80
5	34.0	318	12501	97.79	17	270.0	427	2154	16.85	29	2100.0	23	68	0.53
6	40.0	642	12183	95.30	18	320.0	346	1727	13.51	30	2500.0	18	45	0.35
7	48.0	842	11541	90.28	19	380.0	293	1381	10.80	31	3000.0	9	27	0.21
8	57.0	1082	10699	83.69	20	450.0	238	1088	8.51	32	3500.0	9	18	0.14
9	67.0	1276	9617	75.23	21	530.0	185	850	6.65	33	4200.0	7	9	0.07
10	80.0	1103	8341	65.25	22	630.0	166	665	5.20	34	5000.0	2	2	0.02
11	95.0	908	7238	56.62	23	750.0	126	499	3.90					

## 03361000 BIG BLUE RIVER AT CARTHAGE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 40.5  
 P90 = 48.4  
 P75 = 67.3  
 P70 = 73.8  
 P50 = 109.0  
 P25 = 201.0  
 P10 = 405.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1952	42.00 18	42.00 17	44.00 18	45.00 17	48.00 16	50.00 14	53.00 12	58.00 12	86.00 17
1953	39.00 14	40.00 14	42.00 14	44.00 14	51.00 17	51.00 15	57.00 13	57.00 11	67.00 10
1954	33.00 8	33.00 8	34.00 8	35.00 8	36.00 7	38.00 7	39.00 6	42.00 5	48.00 4
1955	20.00 4	21.00 4	21.00 3	23.00 3	24.00 1	31.00 2	33.00 2	39.00 3	46.00 3
1956	18.00 3	19.00 3	20.00 2	23.00 4	29.00 4	42.00 8	57.00 14	75.00 22	112.00 25
1957	38.00 12	38.00 11	39.00 11	40.00 10	41.00 10	43.00 9	44.00 7	47.00 8	58.00 7
1958	63.00 31	63.00 31	63.00 31	64.00 30	70.00 30	72.00 30	79.00 28	88.00 28	166.00 32
1959	76.00 33	81.00 33	84.00 33	90.00 33	95.00 33	109.00 33	120.00 33	150.00 33	233.00 33
1960	41.00 16	42.00 18	43.00 17	44.00 15	46.00 13	52.00 16	61.00 18	66.00 17	78.00 16
1961	41.00 17	41.00 16	42.00 15	44.00 16	46.00 14	48.00 12	51.00 11	51.00 9	53.00 6
1962	48.00 22	50.00 22	51.00 21	53.00 20	57.00 22	60.00 19	63.00 19	69.00 18	99.00 21
1963	46.00 20	47.00 20	49.00 20	54.00 21	59.00 23	66.00 23	69.00 21	69.00 19	72.00 13
1964	28.00 6	29.00 6	29.00 6	30.00 6	31.00 5	33.00 3	36.00 3	37.00 2	42.00 2
1965	30.00 7	31.00 7	32.00 7	33.00 7	36.00 8	36.00 5	37.00 4	40.00 4	51.00 5
1966	36.00 10	37.00 10	38.00 10	40.00 11	42.00 11	50.00 13	58.00 15	64.00 16	75.00 15
1967	25.00 5	25.00 5	26.00 5	28.00 5	34.00 6	35.00 4	38.00 5	43.00 6	59.00 8
1968	38.00 11	39.00 12	41.00 12	43.00 12	44.00 12	46.00 11	49.00 9	55.00 10	72.00 14
1969	58.00 28	59.00 28	62.00 30	64.00 31	65.00 28	67.00 24	75.00 25	102.00 30	135.00 30
1970	66.00 32	67.00 32	71.00 32	77.00 32	84.00 32	91.00 32	91.00 31	122.00 32	130.00 29
1971	40.00 15	40.00 15	43.00 16	48.00 18	52.00 18	54.00 17	60.00 17	63.00 15	70.00 11
1972	39.00 13	39.00 13	41.00 13	43.00 13	48.00 15	60.00 20	79.00 29	80.00 23	101.00 22
1973	49.00 23	50.00 23	52.00 22	54.00 22	55.00 20	63.00 21	75.00 26	84.00 26	127.00 28
1974	60.00 30	61.00 30	61.00 28	62.00 28	66.00 29	67.00 25	70.00 22	84.00 27	141.00 31
1975	59.00 29	60.00 29	61.00 29	62.00 29	63.00 27	69.00 26	79.00 30	80.00 24	118.00 26
1976	43.00 19	44.00 19	47.00 19	50.00 19	53.00 19	54.00 18	58.00 16	60.00 13	71.00 12
1977	17.00 1	18.00 1	22.00 4	22.00 1	25.00 2	28.00 1	31.00 1	35.00 1	36.00 1
1978	17.00 2	18.00 2	19.00 1	22.00 2	28.00 3	38.00 6	45.00 8	46.00 7	65.00 9
1979	55.00 24	55.00 24	58.00 25	59.00 25	74.00 31	87.00 31	105.00 32	112.00 31	125.00 27
1980	87.00 34	90.00 34	98.00 34	108.00 34	118.00 34	147.00 34	172.00 34	279.00 34	269.00 34
1981	55.00 25	58.00 26	60.00 26	60.00 26	60.00 25	64.00 22	68.00 20	69.00 20	93.00 19
1982	56.00 27	59.00 27	60.00 27	62.00 27	63.00 26	70.00 28	70.00 23	74.00 21	106.00 23
1983	55.00 26	55.00 25	56.00 24	58.00 24	59.00 24	72.00 29	74.00 24	80.00 25	99.00 20
1984	35.00 9	36.00 9	37.00 9	38.00 9	39.00 9	45.00 10	51.00 10	61.00 14	89.00 18
1985	48.00 21	49.00 21	53.00 23	55.00 23	57.00 21	69.00 27	76.00 27	90.00 29	109.00 24

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1951	5000.00 2	2710.00 8	1660.00 7	1220.00 5	768.00 7	618.00 7	542.00 4	504.00 4	463.00 1
1952	4250.00 6	2680.00 9	1420.00 14	1100.00 8	679.00 13	557.00 11	531.00 5	473.00 6	402.00 6
1953	2540.00 22	1400.00 25	786.00 29	543.00 31	405.00 31	280.00 32	271.00 29	242.00 29	209.00 31
1954	1940.00 28	1450.00 24	818.00 28	586.00 26	412.00 30	266.00 33	218.00 33	196.00 33	152.00 33
1955	1100.00 34	715.00 35	591.00 33	427.00 33	353.00 33	293.00 30	259.00 31	240.00 31	200.00 32
1956	3850.00 8	2210.00 13	1190.00 20	723.00 21	549.00 19	433.00 19	356.00 22	358.00 19	290.00 20
1957	2630.00 19	1950.00 17	1330.00 15	848.00 16	670.00 14	535.00 12	518.00 7	438.00 8	334.00 16
1958	4390.00 5	2840.00 4	2350.00 2	1370.00 4	892.00 3	817.00 1	622.00 1	535.00 1	404.00 5
1959	4920.00 3	3620.00 3	1850.00 5	1080.00 9	883.00 4	623.00 6	498.00 10	443.00 7	362.00 10
1960	1990.00 27	1330.00 28	951.00 25	572.00 28	427.00 29	291.00 31	267.00 30	241.00 30	211.00 30
1961	3800.00 10	2750.00 7	1680.00 6	1130.00 7	871.00 5	687.00 3	606.00 2	509.00 2	387.00 7
1962	1640.00 31	1350.00 26	733.00 30	566.00 29	476.00 27	363.00 26	333.00 24	281.00 27	220.00 28
1963	6900.00 1	4840.00 1	2480.00 1	1440.00 2	1050.00 1	683.00 4	503.00 8	399.00 13	288.00 21
1964	4510.00 4	3950.00 2	2260.00 3	1390.00 3	848.00 6	706.00 2	525.00 6	416.00 10	305.00 18
1965	2930.00 17	1690.00 19	954.00 24	574.00 27	501.00 23	378.00 24	371.00 20	312.00 22	234.00 25



## 03361000 BIG BLUE RIVER AT CARTHAGE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	1200.00	33	813.00	33	545.00	34	342.00	35	235.00	35	198.00	35	172.00	35	156.00	35	142.00	34
1967	2900.00	18	2420.00	10	1590.00	10	1030.00	10	668.00	15	419.00	20	400.00	17	358.00	20	364.00	9
1968	3280.00	13	2160.00	15	1600.00	9	975.00	13	580.00	18	392.00	23	354.00	23	340.00	21	311.00	17
1969	3200.00	14	2170.00	14	1320.00	16	985.00	12	741.00	10	497.00	15	390.00	18	359.00	18	300.00	19
1970	2550.00	20	1520.00	22	893.00	26	561.00	30	394.00	32	326.00	28	324.00	27	283.00	26	245.00	24
1971	2980.00	15	1630.00	20	1310.00	17	838.00	17	664.00	17	441.00	17	331.00	26	303.00	24	260.00	23
1972	1460.00	32	1050.00	32	694.00	31	618.00	24	485.00	26	374.00	25	332.00	25	291.00	25	276.00	22
1973	4130.00	7	2250.00	12	1190.00	18	832.00	18	682.00	12	530.00	13	471.00	12	480.00	5	421.00	2
1974	2350.00	23	1330.00	29	1050.00	21	799.00	19	513.00	22	412.00	22	411.00	16	383.00	14	335.00	14
1975	3830.00	9	2760.00	5	1500.00	11	949.00	14	735.00	11	593.00	9	547.00	3	506.00	3	415.00	4
1976	2220.00	24	1160.00	31	665.00	32	611.00	25	522.00	21	416.00	21	359.00	21	305.00	23	230.00	26
1977	918.00	35	716.00	34	464.00	35	370.00	34	240.00	34	226.00	34	190.00	34	159.00	34	120.00	35
1978	2550.00	21	2140.00	16	1490.00	12	1150.00	6	757.00	8	520.00	14	462.00	13	383.00	15	335.00	15
1979	3790.00	11	2380.00	11	2020.00	4	1480.00	1	928.00	2	640.00	5	490.00	11	405.00	12	417.00	3
1980	1800.00	29	1340.00	27	1190.00	19	767.00	20	539.00	20	441.00	18	374.00	19	370.00	16	352.00	11
1981	2030.00	26	1450.00	23	1050.00	22	682.00	22	489.00	25	362.00	27	303.00	28	273.00	28	227.00	27
1982	2940.00	16	1900.00	18	1450.00	13	943.00	15	756.00	9	607.00	8	498.00	9	432.00	9	368.00	8
1983	1750.00	30	1320.00	30	830.00	27	523.00	32	443.00	28	320.00	29	255.00	32	223.00	32	217.00	29
1984	2220.00	25	1620.00	21	973.00	23	668.00	23	499.00	24	466.00	16	414.00	15	364.00	17	345.00	12
1985	3740.00	12	2750.00	6	1630.00	8	990.00	11	668.00	16	560.00	10	462.00	14	407.00	11	344.00	13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	249.00	28
1953	149.00	8
1954	106.00	2
1955	131.00	5
1956	196.00	20
1957	128.00	3
1958	253.00	29
1959	361.00	34
1960	165.00	12
1961	148.00	7
1962	236.00	24
1963	165.00	13
1964	128.00	4
1965	179.00	17
1966	139.00	6
1967	174.00	16
1968	186.00	18
1969	244.00	26
1970	199.00	21
1971	167.00	14
1972	157.00	10
1973	274.00	32
1974	268.00	31
1975	260.00	30
1976	196.00	19
1977	79.00	1
1978	169.00	15
1979	237.00	25
1980	331.00	33
1981	159.00	11
1982	246.00	27
1983	152.00	9
1984	214.00	22
1985	235.00	23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1951	284.00	4
1952	237.00	7
1953	138.00	31
1954	96.00	34
1955	133.00	32
1956	222.00	14
1957	202.00	19
1958	296.00	3
1959	234.00	8
1960	153.00	26
1961	222.00	15
1962	154.00	25
1963	175.00	21
1964	174.00	22
1965	144.00	30
1966	102.00	33
1967	225.00	11
1968	219.00	18
1969	222.00	16
1970	165.00	24
1971	170.00	23
1972	183.00	20
1973	324.00	1
1974	220.00	17
1975	249.00	6
1976	151.00	27
1977	79.00	35
1978	231.00	9
1979	304.00	2
1980	276.00	5
1981	150.00	28
1982	225.00	12
1983	149.00	29
1984	224.00	13
1985	227.00	10

## 03361000 BIG BLUE RIVER AT CARTHAGE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	86.30	326.00	425.00	410.00	741.00	398.00	483.00	207.00	127.00	136.00	58.20	48.40
1952	54.40	94.50	419.00	512.00	398.00	455.00	473.00	155.00	102.00	64.40	51.10	66.20
1953	54.70	69.80	98.90	134.00	148.00	379.00	146.00	275.00	96.30	150.00	61.90	36.50
1954	40.00	42.80	54.10	124.00	91.30	149.00	363.00	108.00	73.10	48.60	38.30	24.40
1955	59.60	53.50	82.80	185.00	204.00	333.00	225.00	119.00	113.00	83.50	47.80	93.80
1956	215.00	458.00	137.00	85.30	546.00	248.00	281.00	347.00	154.00	112.00	58.40	43.90
1957	43.30	49.50	88.40	124.00	137.00	98.30	542.00	340.00	665.00	193.00	84.40	72.80
1958	85.80	125.00	479.00	199.00	115.00	138.00	175.00	312.00	848.00	477.00	468.00	118.00
1959	112.00	221.00	149.00	619.00	516.00	328.00	280.00	285.00	122.00	80.70	59.20	48.90
1960	79.50	114.00	152.00	219.00	366.00	187.00	144.00	155.00	162.00	152.00	63.50	46.60
1961	50.50	57.50	50.80	56.50	123.00	704.00	662.00	396.00	211.00	193.00	92.80	62.20
1962	58.10	79.30	110.00	345.00	280.00	353.00	129.00	109.00	77.50	171.00	66.60	68.80
1963	77.90	76.70	63.10	79.60	74.50	967.00	358.00	149.00	87.70	74.30	48.60	31.90
1964	34.20	42.50	37.90	62.40	59.60	545.00	829.00	182.00	87.10	125.00	45.90	36.10
1965	36.10	42.30	53.50	126.00	337.00	267.00	490.00	135.00	70.20	74.40	46.10	70.50
1966	115.00	76.10	85.00	181.00	219.00	118.00	111.00	143.00	67.80	38.90	34.10	46.20
1967	53.00	242.00	544.00	159.00	210.00	436.00	277.00	463.00	136.00	76.50	50.90	44.10
1968	53.90	79.60	308.00	243.00	319.00	186.00	283.00	500.00	198.00	124.00	265.00	72.40
1969	64.80	140.00	241.00	548.00	352.00	138.00	317.00	171.00	203.00	275.00	134.00	90.40
1970	95.30	227.00	139.00	229.00	259.00	260.00	328.00	140.00	124.00	80.50	58.80	54.30
1971	68.70	72.00	97.20	115.00	674.00	231.00	97.80	223.00	263.00	76.00	51.20	117.00
1972	83.70	69.10	320.00	203.00	130.00	249.00	475.00	266.00	158.00	90.30	65.00	84.70
1973	98.40	586.00	392.00	268.00	240.00	567.00	473.00	178.00	660.00	261.00	111.00	66.70
1974	68.20	135.00	237.00	477.00	247.00	306.00	371.00	234.00	274.00	118.00	87.10	87.50
1975	63.50	112.00	254.00	425.00	663.00	466.00	470.00	227.00	151.00	72.60	61.60	55.10
1976	62.00	64.20	160.00	323.00	429.00	291.00	102.00	81.50	102.00	118.00	52.30	35.60
1977	44.60	38.60	33.20	27.90	146.00	175.00	205.00	95.60	50.40	32.50	59.70	43.70
1978	142.00	83.20	457.00	132.00	75.40	633.00	346.00	347.00	162.00	99.10	162.00	106.00
1979	101.00	123.00	245.00	278.00	375.00	512.00	292.00	131.00	187.00	581.00	649.00	168.00
1980	132.00	495.00	385.00	231.00	217.00	496.00	288.00	227.00	353.00	164.00	235.00	83.50
1981	71.40	71.80	73.70	60.50	207.00	84.20	181.00	458.00	186.00	233.00	94.30	79.60
1982	74.40	70.00	122.00	373.00	598.00	504.00	236.00	228.00	269.00	90.10	103.00	61.80
1983	82.90	97.80	268.00	136.00	148.00	106.00	300.00	333.00	114.00	113.00	52.80	39.70
1984	77.50	277.00	409.00	111.00	325.00	417.00	491.00	215.00	101.00	126.00	75.80	70.50
1985	104.00	188.00	321.00	215.00	503.00	437.00	336.00	258.00	161.00	92.00	79.40	51.10

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

54.40

69.10

85.00

124.00

146.00

186.00

## FIFTIETH PERCENTILE

71.40

83.20

152.00

199.00

247.00

328.00

## SEVENTY FIFTH PERCENTILE

95.30

188.00

321.00

323.00

398.00

466.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

205.00

143.00

101.00

76.50

51.20

44.10

## FIFTIETH PERCENTILE

300.00

223.00

151.00

113.00

61.90

62.20

## SEVENTY FIFTH PERCENTILE

473.00

312.00

203.00

164.00

94.30

83.50

## 03361500 BIG BLUE RIVER AT SHELBYVILLE, IN

LOCATION.--Lat 39°31'45", long 85°46'55", in SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.31, T.13 N., R.7 E., Shelby County, Hydrologic Unit 05120204, on left bank 0.2 mi downstream from bridge on State Highway 9 in Shelbyville, 0.6 mi downstream from Little Blue River, and at mile 23.9.

DRAINAGE AREA.--421 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1943 to September 1985. Prior to October 1961, published as Blue River at Shelbyville.

GAGE.--Water-stage recorder. Datum of gage is 737.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1953, nonrecording gage at bridge 0.2 mi upstream at datum 3.5 ft higher.

AVERAGE DISCHARGE.--42 years, 465 ft<sup>3</sup>/s, 15.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft<sup>3</sup>/s Mar. 5, 1963, gage height, 17.70 ft; minimum daily, 27 ft<sup>3</sup>/s Jan. 18, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 20.2 ft from floodmarks.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944			2	15	36	25	71	78	13	18	3	2	5	6	12	8	15	15	9	6	5	5	5	1	1	3	1	2	2		1		1			
1945			7	45	67	25	11	10	22	11	11	14	13	24	18	11	15	10	14	3	6	4	5	4	3	3	7	1		1						
1946				10	16	17	14	4	8	16	37	32	31	34	27	14	22	16	16	13	8	7	5	9	3	5	1									
1947			8	8	8	24	17	24	11	45	20	23	24	20	21	20	19	17	7	14	6	5	11	1	4	3	2	1	1	1		1				
1948			4	21	10	11	25	22	68	37	27	10	8	12	18	18	12	11	7	7	6	4	6	4	5	4	5	1	1	1	1					
1949			8	12	16	18	25	26	8	28	9	16	24	35	19	27	18	17	11	3	9	8	5	7	4	2	2	3	1	2			2			
1950					4	32	49	29	9	14	14	17	23	27	30	17	21	16	11	7	5	5	7	4	1	2	2	7	3	4	5					
1951				10	29	7	3	34	17	23	20	11	28	28	26	27	12	16	16	9	7	15	7	6	3	4	2	2	1	2						
1952			6	22	19	41	13	11	14	16	26	14	13	22	12	21	23	22	15	15	9	6	3	9	4	2	4	1	1		1					
1953			6	18	10	16	36	19	11	31	15	35	26	24	38	31	10	11	4	3	5	5	2	3	3	2			1							
1954			4	60	92	29	21	9	9	40	14	16	14	7	10	6	7	9	6	3	1	2	3	1			1	1								
1955			7	19	11	11	44	38	10	23	11	32	23	24	21	19	14	19	10	9	6	3	4	5	2											
1956				3	18	15	18	8	15	19	41	25	31	30	19	19	19	26	13	13	7	6	7	5			1	3	2	1	1	1				
1957				3	17	40	37	25	34	13	43	16	18	14	18	17	9	9	11	7	8	7		7	2	2		4	3	1						
1958					13	3	8	11	4	25	29	48	43	37	24	20	14	18	10	9	6	13	5	5	5	4	3	5	3							
1959					7	17	14	7	24	10	38	41	21	23	29	19	24	25	18	16	8	6	4	4	2	2	2		1	2					1	
1960					5	19	12	24	28	12	29	60	32	37	26	16	22	6	4	7	9	3	4	5	1	1	1	1	1	1						
1961				4	20	77	44	27	13	24	16	10	18	17	7	15	5	9	7	10	5	12	9	2	1	5	2		3	1	2					
1962				4	53	31	44	14	34	36	25	21	19	17	20	11	6	5	7	10	8	6	1	3	1	4	2	2		3						
1963			6	11	13	16	28	71	63	31	9	11	10	16	19	6	5	7	10	8	6	1	3	1	4	5		1	1	1				1	1	
1964			8	33	47	45	28	43	12	23	13	18	9	4	7	14	15	7	5	2	3	7	3	3	6		3	1	1	1	1	2		2		
1965			2	30	28	25	50	21	31	15	22	17	9	10	17	12	18	11	8	6	11	4	6	4	1	3	1	1	1		1					
1966				13	22	14	21	20	13	69	42	38	20	27	24	8	6	5	8	3	4		2	2		1	2	1								
1967				13	35	37	20	8	11	9	19	22	17	25	20	24	20	12	18	5	10	7	10	5	4	5	3	1	2	1		2				
1968				3	2	10	14	28	31	16	48	30	18	21	32	23	18	9	16	3	9	4	11	3	1	4	3	2	3	2		1	1			
1969					38	5	20	12	22	43	35	48	33	16	20	13	10	16	3	6	4	5	1	5	3	1	3	1	1	1		1	1			
1970					23	29	17	29	32	43	27	15	28	36	22	17	8	7	10	4	3	2	7	1		3	1	1								
1971					5	27	20	33	60	32	34	26	16	25	12	11	9	11	11	8	10	3	2	1	2		1	2	3	1						
1972					8	16	44	25	26	14	27	29	29	28	28	17	14	11	12	7	9	8	4	2	3	4	1									
1973					1	18	29	9	17	11	8	35	33	23	29	22	34	21	20	16	10	11	6	1	5	2	2	2		2						
1974					9	26	46	19	27	15	26	34	34	25	24	17	9	8	11	5	6	8	8	3	3		1	1								
1975					9	30	20	10	34	12	11	8	10	28	31	28	28	21	18	12	16	7	9	7	7	4	1	1	1		1	1				
1976			2	13	13	23	13	40	46	31	37	25	16	15	11	18	11	8	7	10	6	5	5	5		1										
1977			7	18	21	27	60	30	29	6	20	21	11	15	5	7	6	4	3	6	3	3	5	1		1										
1978									33	19	56	30	27	25	22	25	22	23	20	13	8	4	9	8	8	6	2		2	2	1					
1979									21	12	18	40	33	53	30	25	27	19	15	14	13	6	8	6	7		4	7		5	2					
1980									9	9	13	35	53	39	29	30	26	24	20	16	17	11	12	7	5	3	6	2								
1981					1	27	46	86	23	31	27	19	18	14	16	15	7	9	7	6	4		2	1	1	3		1	1							
1982				1	20	17	53	46	10	17	23	20	22	21	18	13	18	15	10	6	3	6	10	8	2	2		1	2	1						
1983				27	11	20	27	18	44	16	26	30	35	30	20	14	11	5	4	5	7	5	3	2	3		2									
1984				4	5	13	22	19	31	16	39	19	10	29	19	18	26	21	20	11	11	8	11	5	3	1	2	2	1							
1985					6	15	14	28	11	22	36	21	41	38	22	23	15	14	12	9	9	5	10	2	5	2		1	2	1	1					

## 03361500 BIG BLUE RIVER AT SHELBYVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	200.0	977	8306	54.14	24	1700.0	218	742	4.84
1	27.0	7	15341	100.00	13	240.0	850	7329	47.77	25	2100.0	137	524	3.42
2	32.0	51	15334	99.95	14	280.0	1071	6479	42.23	26	2500.0	97	387	2.52
3	39.0	211	15283	99.62	15	340.0	923	5408	35.25	27	3000.0	94	290	1.89
4	46.0	468	15072	98.25	16	410.0	742	4485	29.24	28	3600.0	52	196	1.28
5	56.0	526	14604	95.20	17	490.0	755	3743	24.40	29	4300.0	48	144	0.94
6	67.0	805	14078	91.77	18	590.0	552	2988	19.48	30	5100.0	44	96	0.63
7	80.0	1000	13273	86.52	19	700.0	506	2436	15.88	31	6200.0	23	52	0.34
8	96.0	813	12273	80.00	20	840.0	383	1930	12.58	32	7400.0	13	29	0.19
9	110.0	1353	11460	74.70	21	1000.0	336	1547	10.08	33	8800.0	15	16	0.10
10	140.0	660	10107	65.88	22	1200.0	228	1211	7.89	34	11000.0	1	1	0.01
11	160.0	1141	9447	61.58	23	1400.0	241	983	6.41					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 56.6  
 P90 = 71.4  
 P75 = 109.0  
 P70 = 126.0  
 P50 = 226.0  
 P25 = 480.0  
 P10 = 1010.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	38.00 5	38.00 5	39.00 5	42.00 5	45.00 6	48.00 5	49.00 5	51.00 3	54.00 1
1946	66.00 25	69.00 26	70.00 26	76.00 26	86.00 27	138.00 36	155.00 35	316.00 39	327.00 38
1947	48.00 13	49.00 13	51.00 13	53.00 13	61.00 14	67.00 14	73.00 13	79.00 10	123.00 15
1948	81.00 33	89.00 35	90.00 33	93.00 33	106.00 34	115.00 33	123.00 32	132.00 28	234.00 30
1949	40.00 6	41.00 6	45.00 9	48.00 8	52.00 9	59.00 9	70.00 11	114.00 21	180.00 26
1950	53.00 15	55.00 16	58.00 16	67.00 20	85.00 25	118.00 34	127.00 34	150.00 31	169.00 22
1951	90.00 36	94.00 36	103.00 36	115.00 36	122.00 37	134.00 35	224.00 39	220.00 36	325.00 37
1952	58.00 19	60.00 19	61.00 17	64.00 16	68.00 15	70.00 15	77.00 14	95.00 15	171.00 23
1953	42.00 10	44.00 11	47.00 11	52.00 11	58.00 12	62.00 10	72.00 12	73.00 9	101.00 10
1954	32.00 2	34.00 2	36.00 2	38.00 2	41.00 3	43.00 2	46.00 1	50.00 2	61.00 4
1955	41.00 7	41.00 7	42.00 6	43.00 6	44.00 4	47.00 4	46.00 2	54.00 4	65.00 5
1956	36.00 3	37.00 3	38.00 3	39.00 4	45.00 5	65.00 13	102.00 22	145.00 30	222.00 28
1957	53.00 16	53.00 15	54.00 15	56.00 15	58.00 13	64.00 12	67.00 8	72.00 8	92.00 7
1958	72.00 29	73.00 28	74.00 27	76.00 27	87.00 28	90.00 20	103.00 23	121.00 26	311.00 34
1959	184.00 40	184.00 40	189.00 40	201.00 40	204.00 40	262.00 40	296.00 40	352.00 40	525.00 40
1960	64.00 23	64.00 21	66.00 22	67.00 17	70.00 17	85.00 19	98.00 19	114.00 22	143.00 16
1961	62.00 21	65.00 23	67.00 23	67.00 18	70.00 18	78.00 17	86.00 16	88.00 12	99.00 8
1962	76.00 30	78.00 30	79.00 29	83.00 30	91.00 30	95.00 23	100.00 20	115.00 23	175.00 24
1963	70.00 27	70.00 27	75.00 28	81.00 28	91.00 31	97.00 25	104.00 24	102.00 17	113.00 12
1964	37.00 4	38.00 4	38.00 4	38.00 3	39.00 2	43.00 3	47.00 3	49.00 1	59.00 2
1965	42.00 11	42.00 8	43.00 7	46.00 7	51.00 7	51.00 6	55.00 6	62.00 6	91.00 6
1966	57.00 17	59.00 17	63.00 18	67.00 19	69.00 16	103.00 27	121.00 31	134.00 29	158.00 19
1967	41.00 8	42.00 9	43.00 8	49.00 9	54.00 10	58.00 7	65.00 7	68.00 7	100.00 9
1968	51.00 14	51.00 14	53.00 14	54.00 14	56.00 11	62.00 11	69.00 9	80.00 11	111.00 11
1969	83.00 34	84.00 31	84.00 31	85.00 31	87.00 29	95.00 24	118.00 29	219.00 35	320.00 35
1970	114.00 39	118.00 39	123.00 39	133.00 39	160.00 39	174.00 39	176.00 37	260.00 37	279.00 32
1971	64.00 22	64.00 22	65.00 21	68.00 21	74.00 22	80.00 18	91.00 17	98.00 16	114.00 13
1972	67.00 26	67.00 24	68.00 24	71.00 25	77.00 23	108.00 30	109.00 25	111.00 20	159.00 20
1973	60.00 20	61.00 20	64.00 19	68.00 22	73.00 19	93.00 22	119.00 30	129.00 27	242.00 31
1974	86.00 35	86.00 33	90.00 34	95.00 34	106.00 35	107.00 29	114.00 27	158.00 33	324.00 36
1975	92.00 37	95.00 37	104.00 37	118.00 38	121.00 36	164.00 38	172.00 36	170.00 34	289.00 33
1976	58.00 18	60.00 18	64.00 20	69.00 23	73.00 20	75.00 16	81.00 15	91.00 13	123.00 14
1977	27.00 1	29.00 1	32.00 1	34.00 1	36.00 1	41.00 1	49.00 4	55.00 5	60.00 3
1978	41.00 9	42.00 10	46.00 10	52.00 12	78.00 24	102.00 26	102.00 21	109.00 19	166.00 21
1979	110.00 38	112.00 38	116.00 38	117.00 37	141.00 38	163.00 37	210.00 38	285.00 38	343.00 39
1980	199.00 41	209.00 41	223.00 41	233.00 41	243.00 41	285.00 41	397.00 41	607.00 41	603.00 41
1981	79.00 31	84.00 32	89.00 32	90.00 32	92.00 32	105.00 28	115.00 28	115.00 24	175.00 25
1982	80.00 32	87.00 34	93.00 35	96.00 35	103.00 33	110.00 31	110.00 26	117.00 25	183.00 27
1983	66.00 24	67.00 25	68.00 25	71.00 24	73.00 21	91.00 21	96.00 18	106.00 18	153.00 18
1984	47.00 12	48.00 12	48.00 12	50.00 10	51.00 8	59.00 8	69.00 10	92.00 14	150.00 17
1985	71.00 28	75.00 29	80.00 30	82.00 29	86.00 26	110.00 32	124.00 33	153.00 32	223.00 29

## 03361500 BIG BLUE RIVER AT SHELBYVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	10400.00 4	7290.00 6	4650.00 7	2660.00 12	1750.00 16	1300.00 17	1010.00 21	816.00 27	563.00 33
1945	5310.00 27	3950.00 28	2660.00 27	1600.00 29	1490.00 23	1140.00 22	922.00 26	889.00 22	671.00 25
1946	3340.00 37	2770.00 35	1910.00 35	1330.00 36	999.00 36	802.00 34	843.00 30	719.00 31	664.00 26
1947	9510.00 7	7060.00 7	4190.00 9	2500.00 13	1620.00 20	1410.00 9	1190.00 9	1040.00 10	880.00 12
1948	7120.00 18	4810.00 21	3420.00 21	2370.00 17	2160.00 5	1410.00 10	1180.00 10	976.00 13	754.00 20
1949	10400.00 5	8190.00 4	4710.00 6	3160.00 5	2720.00 2	1970.00 2	1680.00 2	1430.00 2	1080.00 2
1950	10500.00 3	8940.00 2	8260.00 1	6720.00 1	4440.00 1	3280.00 1	2520.00 1	2100.00 1	1560.00 1
1951	7170.00 17	5530.00 17	3310.00 22	2490.00 14	1560.00 21	1320.00 16	1210.00 7	1150.00 6	1030.00 3
1952	10600.00 2	7050.00 8	3710.00 16	2710.00 11	1680.00 18	1360.00 14	1150.00 12	1100.00 7	910.00 9
1953	4100.00 32	2580.00 36	1490.00 39	1120.00 38	868.00 38	615.00 39	586.00 38	525.00 37	446.00 38
1954	3080.00 40	2480.00 37	1490.00 40	1060.00 39	792.00 40	529.00 42	410.00 42	374.00 42	280.00 42
1955	1770.00 42	1440.00 42	1310.00 41	988.00 41	795.00 39	639.00 38	568.00 39	523.00 39	436.00 39
1956	7920.00 12	5810.00 15	3160.00 24	1910.00 26	1230.00 30	974.00 29	807.00 32	816.00 28	674.00 24
1957	5270.00 28	4390.00 24	3210.00 23	2010.00 24	1270.00 28	1110.00 25	1110.00 14	935.00 17	720.00 22
1958	6110.00 22	4850.00 20	3810.00 14	2420.00 15	1770.00 15	1700.00 4	1330.00 4	1180.00 4	906.00 10
1959	9200.00 9	6600.00 10	3650.00 19	2160.00 22	1950.00 10	1370.00 13	1080.00 15	946.00 15	792.00 18
1960	5430.00 25	3620.00 31	2280.00 32	1510.00 32	1000.00 35	714.00 37	613.00 36	555.00 36	568.00 32
1961	8280.00 11	6200.00 14	3880.00 12	3010.00 7	2340.00 3	1740.00 3	1570.00 3	1300.00 3	946.00 7
1962	4070.00 33	3280.00 32	1980.00 34	1450.00 33	1310.00 26	923.00 30	859.00 29	730.00 30	560.00 34
1963	13800.00 1	9400.00 1	5010.00 4	2930.00 8	2170.00 4	1410.00 11	1050.00 17	822.00 26	583.00 31
1964	9400.00 8	8280.00 3	5200.00 3	3230.00 3	2020.00 8	1650.00 5	1200.00 8	935.00 16	682.00 23
1965	6320.00 20	4800.00 22	2730.00 26	1580.00 30	1340.00 25	1040.00 27	1030.00 20	853.00 25	618.00 27
1966	3110.00 39	2350.00 40	1570.00 38	915.00 42	605.00 42	538.00 41	453.00 41	394.00 41	339.00 40
1967	7700.00 15	7020.00 9	4820.00 5	3040.00 6	1970.00 9	1170.00 20	964.00 25	963.00 14	940.00 8
1968	10200.00 6	7840.00 5	5500.00 2	3220.00 4	1860.00 12	1130.00 23	968.00 24	920.00 19	816.00 15
1969	7710.00 14	6280.00 13	3870.00 13	2800.00 10	2040.00 7	1330.00 15	1050.00 18	901.00 21	741.00 21
1970	5030.00 31	3730.00 30	2360.00 31	1440.00 34	949.00 37	782.00 35	805.00 33	703.00 32	603.00 30
1971	6010.00 23	4450.00 23	3700.00 17	2340.00 18	1790.00 14	1170.00 21	876.00 28	746.00 29	611.00 28
1972	3220.00 38	2460.00 38	1810.00 36	1520.00 31	1170.00 32	856.00 33	757.00 35	670.00 34	610.00 29
1973	5200.00 29	3940.00 29	2410.00 30	1990.00 25	1500.00 22	1250.00 19	1050.00 19	1040.00 11	982.00 5
1974	5790.00 24	4140.00 26	2550.00 28	2020.00 23	1270.00 27	1000.00 28	973.00 23	910.00 20	815.00 16
1975	8470.00 10	6510.00 11	3670.00 18	2250.00 20	1720.00 17	1430.00 7	1270.00 5	1170.00 5	966.00 6
1976	3410.00 35	2450.00 39	1710.00 37	1370.00 35	1130.00 33	907.00 32	813.00 31	700.00 33	516.00 36
1977	2520.00 41	1660.00 41	1250.00 42	1040.00 40	649.00 41	587.00 40	529.00 40	436.00 40	327.00 41
1978	6230.00 21	5530.00 18	3900.00 11	2930.00 9	1920.00 11	1280.00 18	1150.00 13	1000.00 12	832.00 14
1979	6920.00 19	5600.00 16	4590.00 8	3310.00 2	2100.00 6	1430.00 8	1080.00 16	924.00 18	1000.00 4
1980	3980.00 34	3180.00 33	2940.00 25	1890.00 27	1260.00 29	1070.00 26	886.00 27	860.00 24	810.00 17
1981	5370.00 26	4370.00 25	3450.00 20	2160.00 21	1380.00 24	908.00 31	766.00 34	651.00 35	542.00 35
1982	7180.00 16	5350.00 19	3710.00 15	2340.00 19	1850.00 13	1550.00 6	1250.00 6	1080.00 8	871.00 13
1983	3380.00 36	2920.00 34	2000.00 33	1310.00 37	1100.00 34	781.00 36	597.00 37	524.00 38	490.00 37
1984	5080.00 30	3980.00 27	2500.00 29	1610.00 28	1180.00 31	1120.00 24	977.00 22	863.00 23	791.00 19
1985	7760.00 13	6390.00 12	3930.00 10	2380.00 16	1650.00 19	1400.00 12	1170.00 11	1050.00 9	884.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	346.00 12
1946	561.00 28
1947	325.00 10
1948	605.00 33
1949	721.00 38
1950	802.00 41
1951	675.00 37
1952	555.00 26
1953	286.00 6
1954	189.00 2
1955	259.00 4
1956	435.00 21
1957	272.00 5
1958	549.00 25
1959	798.00 40
1960	359.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	316.00 36
1945	395.00 25
1946	463.00 22
1947	551.00 12
1948	440.00 23
1949	635.00 6
1950	908.00 1
1951	621.00 7
1952	512.00 17
1953	278.00 38
1954	166.00 42
1955	273.00 39
1956	502.00 19
1957	414.00 24
1958	672.00 4
1959	506.00 18

## 03361500 BIG BLUE RIVER AT SHELBYVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	391.00	15
1962	571.00	29
1963	317.00	9
1964	253.00	3
1965	425.00	19
1966	339.00	11
1967	428.00	20
1968	416.00	18
1969	631.00	35
1970	464.00	23
1971	397.00	16
1972	299.00	8
1973	613.00	34
1974	590.00	31
1975	641.00	36
1976	415.00	17
1977	175.00	1
1978	440.00	22
1979	601.00	32
1980	754.00	39
1981	362.00	14
1982	582.00	30
1983	291.00	7
1984	466.00	24
1985	560.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	384.00	26
1961	524.00	15
1962	356.00	32
1963	338.00	33
1964	371.00	30
1965	365.00	31
1966	229.00	40
1967	543.00	13
1968	552.00	11
1969	540.00	14
1970	376.00	28
1971	373.00	29
1972	383.00	27
1973	722.00	2
1974	516.00	16
1975	573.00	9
1976	334.00	34
1977	196.00	41
1978	604.00	8
1979	712.00	3
1980	639.00	5
1981	332.00	35
1982	500.00	20
1983	305.00	37
1984	492.00	21
1985	571.00	10

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	DCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	78.30	96.40	81.90	80.10	234.00	882.00	1685.0	382.00	129.00	68.00	50.20	48.10
1945	47.70	57.40	60.90	60.50	325.00	1259.0	983.00	428.00	821.00	181.00	153.00	380.00
1946	553.00	432.00	596.00	633.00	741.00	859.00	271.00	739.00	399.00	184.00	82.90	70.40
1947	67.20	102.00	262.00	821.00	373.00	513.00	1096.0	838.00	1371.0	693.00	321.00	157.00
1948	113.00	121.00	138.00	559.00	673.00	1192.0	1456.0	484.00	175.00	255.00	78.80	53.50
1949	80.90	530.00	614.00	2651.0	1103.0	1186.0	408.00	233.00	416.00	164.00	90.40	162.00
1950	234.00	121.00	341.00	4319.0	2208.0	991.00	787.00	476.00	651.00	293.00	123.00	426.00
1951	155.00	817.00	1000.0	1101.0	1538.0	812.00	935.00	400.00	307.00	299.00	100.00	68.00
1952	72.60	195.00	1122.0	1344.0	892.00	918.00	890.00	270.00	200.00	98.80	59.10	87.80
1953	74.00	97.90	221.00	294.00	341.00	815.00	337.00	576.00	178.00	268.00	87.80	43.20
1954	44.50	52.50	68.60	202.00	144.00	262.00	729.00	227.00	120.00	56.10	48.80	44.30
1955	85.10	78.00	138.00	397.00	462.00	739.00	475.00	264.00	249.00	161.00	71.00	177.00
1956	421.00	1200.0	299.00	162.00	1222.0	575.00	642.00	800.00	370.00	241.00	86.50	64.10
1957	63.80	78.00	148.00	231.00	343.00	204.00	1260.0	913.00	1068.0	465.00	124.00	91.50
1958	106.00	221.00	1297.0	487.00	247.00	292.00	399.00	842.00	1574.0	1155.0	1037.0	365.00
1959	240.00	482.00	323.00	1234.0	1251.0	705.00	531.00	713.00	290.00	169.00	116.00	74.90
1960	112.00	217.00	336.00	492.00	880.00	396.00	331.00	382.00	685.00	564.00	153.00	83.20
1961	78.20	97.80	95.10	122.00	272.00	1804.0	1537.0	1240.0	464.00	274.00	184.00	97.20
1962	94.40	133.00	327.00	830.00	669.00	1011.0	306.00	225.00	130.00	326.00	106.00	125.00
1963	105.00	118.00	95.80	137.00	121.00	1970.0	763.00	325.00	157.00	122.00	73.00	44.10
1964	41.70	57.60	52.30	88.50	92.00	1214.0	1973.0	364.00	140.00	309.00	78.00	52.20
1965	51.00	71.20	96.50	313.00	960.00	761.00	1313.0	303.00	111.00	209.00	76.10	176.00
1966	236.00	145.00	170.00	525.00	561.00	278.00	224.00	299.00	120.00	77.80	61.50	66.60
1967	71.70	663.00	1575.0	353.00	538.00	1076.0	571.00	1161.0	236.00	118.00	73.50	56.50
1968	80.70	116.00	734.00	534.00	927.00	398.00	615.00	1611.0	558.00	281.00	650.00	120.00
1969	88.00	343.00	657.00	1394.0	993.00	266.00	736.00	320.00	429.00	850.00	245.00	189.00
1970	180.00	541.00	317.00	535.00	619.00	624.00	879.00	330.00	218.00	120.00	95.30	79.20
1971	102.00	136.00	225.00	289.00	1801.0	613.00	183.00	448.00	430.00	146.00	83.70	142.00
1972	121.00	98.10	619.00	471.00	261.00	577.00	1132.0	549.00	389.00	170.00	98.20	104.00
1973	155.00	1423.0	925.00	569.00	528.00	1330.0	1111.0	385.00	1213.0	691.00	239.00	108.00
1974	108.00	281.00	582.00	1176.0	547.00	651.00	904.00	578.00	777.00	222.00	144.00	224.00
1975	149.00	340.00	663.00	993.00	1621.0	1161.0	955.00	455.00	333.00	126.00	83.00	74.00
1976	100.00	120.00	413.00	776.00	940.00	633.00	199.00	149.00	202.00	325.00	107.00	57.90
1977	67.20	69.80	54.20	38.30	371.00	468.00	534.00	332.00	112.00	113.00	131.00	79.70
1978	411.00	207.00	1201.0	283.00	176.00	1643.0	759.00	879.00	500.00	350.00	517.00	262.00
1979	185.00	260.00	635.00	650.00	930.00	1294.0	810.00	301.00	356.00	1363.0	1404.0	341.00
1980	247.00	1135.0	962.00	531.00	441.00	1126.0	666.00	449.00	659.00	472.00	812.00	154.00
1981	120.00	118.00	137.00	92.20	474.00	209.00	483.00	1063.0	594.00	409.00	166.00	128.00
1982	117.00	111.00	238.00	866.00	1672.0	1210.0	536.00	426.00	524.00	177.00	137.00	78.20
1983	104.00	126.00	545.00	303.00	328.00	213.00	739.00	803.00	179.00	192.00	75.30	51.80
1984	126.00	594.00	889.00	233.00	712.00	1008.0	1174.0	533.00	202.00	217.00	123.00	111.00
1985	230.00	503.00	884.00	586.00	1210.0	1005.0	955.00	669.00	385.00	178.00	203.00	90.70

03361500 BIG BLUE RIVER AT SHELBYVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
77.10	98.00	138.00	233.00	338.00	502.00
FIFTIETH PERCENTILE					
106.00	135.00	332.00	509.00	590.00	814.00
SEVENTY FIFTH PERCENTILE					
161.00	445.00	681.00	823.00	968.00	1167.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
481.00	324.00	179.00	157.00	78.60	66.00
FIFTIETH PERCENTILE					
749.00	449.00	363.00	220.00	107.00	91.10
SEVENTY FIFTH PERCENTILE					
1011.00	754.00	567.00	332.00	171.00	158.00

## 03361650 SUGAR CREEK AT NEW PALESTINE, IN

LOCATION.--Lat 39°42'51", long 85°53'08", in SE¼SW¼ sec.29, T.15 N., R.6 E., Hancock County, Hydrologic Unit 05120204, on left bank 10 ft downstream from bridge on County Road 450 West, 0.5 mi south of New Palestine, 3.1 mi upstream from Little Sugar Creek, and 37.3 mi upstream from mouth.

DRAINAGE AREA.--93.9 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1967 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 786.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--18 years, 102 ft<sup>3</sup>/s, 14.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,880 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 9.19 ft; maximum gage height, 10.34 ft Feb. 23, 1979 (ice jam); minimum daily discharge, 2.4 ft<sup>3</sup>/s Oct. 3, 1983.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968				1	4	2	7	10	23	22	22	19	36	25	19	26	16	15	17	19	14	11	8	3	11	7	10	3	3	3	4	4		2		
1969									3	28	16	18	11	11	13	34	35	43	21	21	13	19	4	25	11	4	9	4	5	6	4	1	3	3		
1970				4	4	9	12	12		10	11	20	13	21	26	41	25	24	25	24	13	14	11	12	14	4	4	1	2	6	3					
1971		1	6	1		9	10	23	21	36	40	23	35	19	27	13	18	12	7	9	15	6	10	6	1	3	3	2	2	1	5	1				
1972			2	4	6	15	26	37	26	17	12	13	17	25	21	25	30	15	15	11	11	6	8	5	5	3	5	3	3							
1973									6	17	9	23	17	11	17	12	34	22	19	26	33	25	18	19	8	19	9	7	7	5	2					
1974					2	2	18	27	24	19	8	19	12	19	17	32	26	27	20	16	14	7	8	13	8	8	5	6	1	5	1	1				
1975			2	17	19	19	11	8	17	17	15	8	18	23	18	25	14	20	16	14	15	14	15	8	6	9	3	4	6	2	1	1				
1976				9	20	23	22	16	12	20	25	27	18	17	20	16	14	24	11	13	9	7	7	17	5	6	7			1						
1977		3	12	20	15	23	57	48	31	26	14	8	9	9	13	14	15	11	7	4	3	8	4	3	2	3	1	1			1					
1978										3	16	25	40	27	54	29	16	19	20	21	18	13	12	11	7	6	7	7	4	3	3	2	2			
1979										10	7	18	25	26	27	44	30	25	25	21	23	16	9	12	7	10	6	2	6	5	5	2	4			
1980								2	2	17	12	10	22	30	45	29	32	19	17	22	28	17	10	11	6	7	10	8	8	1	1					
1981					3	7	30	37	37	40	22	26	18	15	29	14	17	16	14	12	10	8	7	6	4	3	2	1	2			1	2			
1982				1	21	9	22	12	11	28	26	18	17	25	21	19	15	13	21	16	12	11	8	6	8	3	6	6	3	4	1	1	2			
1983	3	15	11	11	14	18	22	14	19	11	14	8	15	26	35	28	27	14	12	8	7	9	5	5	4	3	4			1	1	1				
1984	3			6	3	4	12	14	22	28	14	17	17	16	15	13	15	23	29	25	18	11	10	13	8	12	6	2	3	7						
1985				1	9	8	14	12	30	17	10	26	18	24	14	30	26	23	21	17	13	10	7	8	7	4	5	4	2		2	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6575	100.00	12	21.0	312	4732	71.97	24	220.0	185	764	11.62
1	2.4	6	6575	100.00	13	25.0	365	4420	67.22	25	270.0	107	579	8.81
2	2.9	19	6569	99.91	14	31.0	336	4055	61.67	26	320.0	129	472	7.18
3	3.6	30	6550	99.62	15	37.0	499	3719	56.56	27	390.0	90	343	5.22
4	4.3	59	6520	99.16	16	46.0	379	3220	48.97	28	480.0	64	253	3.85
5	5.3	81	6461	98.27	17	55.0	431	2841	43.21	29	580.0	71	189	2.87
6	6.4	153	6380	97.03	18	68.0	359	2410	36.65	30	710.0	50	118	1.79
7	7.8	205	6227	94.71	19	82.0	323	2051	31.19	31	870.0	34	68	1.03
8	9.5	276	6022	91.59	20	100.0	294	1728	26.28	32	1100.0	16	34	0.52
9	12.0	306	5746	87.39	21	120.0	282	1434	21.81	33	1300.0	17	18	0.27
10	14.0	362	5440	82.74	22	150.0	208	1152	17.52	34	1600.0	1	1	0.02
11	17.0	346	5078	77.23	23	180.0	180	944	14.36					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 7.6  
P90 = 10.5  
P75 = 18.7  
P70 = 22.7  
P50 = 44.8  
P25 = 106.0  
P10 = 249.0



## 03361650 SUGAR CREEK AT NEW PALESTINE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	8.80 12	8.90 12	10.00 12	11.00 11	12.00 11	13.00 9	21.00 12	41.00 14	51.00 13
1970	12.00 15	13.00 15	16.00 16	18.00 16	23.00 16	35.00 16	44.00 15	73.00 16	76.00 16
1971	3.20 2	3.50 3	3.60 2	4.40 3	5.80 3	8.20 5	11.00 5	13.00 5	21.00 4
1972	6.50 9	6.80 8	7.80 8	7.90 8	9.70 8	13.00 10	15.00 9	14.00 6	26.00 6
1973	4.80 5	5.20 5	5.80 6	6.50 6	8.40 7	10.00 7	14.00 8	20.00 9	40.00 11
1974	10.00 13	10.00 13	11.00 13	12.00 13	13.00 12	15.00 12	17.00 10	33.00 13	61.00 14
1975	7.00 10	7.30 10	9.00 11	12.00 14	13.00 13	19.00 13	22.00 13	23.00 10	47.00 12
1976	5.20 6	5.40 6	5.50 5	6.00 5	6.60 4	7.00 3	7.90 3	8.90 2	15.00 2
1977	3.30 3	3.40 2	3.70 3	4.10 2	4.40 2	6.10 2	7.40 2	8.90 3	9.60 1
1978	4.00 4	4.00 4	4.30 4	5.60 4	7.80 6	9.50 6	12.00 6	13.00 4	28.00 7
1979	14.00 16	14.00 16	15.00 15	15.00 15	21.00 15	34.00 15	50.00 16	64.00 15	74.00 15
1980	20.00 17	20.00 17	21.00 17	23.00 17	28.00 17	36.00 17	57.00 17	95.00 17	101.00 17
1981	7.20 11	7.50 11	7.90 9	8.90 9	10.00 9	12.00 8	14.00 7	14.00 7	28.00 8
1982	10.00 14	10.00 14	11.00 14	11.00 12	13.00 14	21.00 14	22.00 14	28.00 12	36.00 9
1983	6.10 7	6.40 7	6.60 7	7.00 7	7.30 5	8.20 4	11.00 4	14.00 8	24.00 5
1984	2.40 1	2.60 1	3.00 1	3.10 1	3.20 1	4.50 1	5.90 1	8.70 1	19.00 3
1985	6.30 8	6.90 9	7.90 10	9.30 10	11.00 10	14.00 11	17.00 11	23.00 11	39.00 10

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	1530.00 5	1370.00 5	1060.00 2	592.00 5	324.00 11	221.00 11	192.00 11	181.00 11	163.00 10
1969	1560.00 2	1400.00 2	901.00 6	691.00 4	503.00 2	330.00 2	256.00 3	214.00 6	174.00 9
1970	856.00 14	790.00 13	535.00 15	344.00 15	231.00 17	189.00 16	181.00 13	156.00 13	142.00 12
1971	1120.00 10	981.00 10	808.00 8	545.00 7	400.00 5	258.00 9	197.00 10	161.00 12	129.00 14
1972	838.00 15	736.00 15	460.00 16	382.00 13	284.00 12	199.00 14	163.00 15	141.00 15	136.00 13
1973	1070.00 12	950.00 11	569.00 14	489.00 10	364.00 8	265.00 8	221.00 8	207.00 8	217.00 1
1974	1480.00 7	1060.00 9	742.00 9	556.00 6	391.00 6	290.00 7	241.00 6	236.00 3	203.00 5
1975	1430.00 8	1230.00 7	702.00 10	457.00 11	383.00 7	313.00 5	291.00 2	265.00 2	210.00 2
1976	608.00 18	451.00 18	308.00 18	285.00 17	233.00 16	189.00 15	164.00 14	141.00 16	102.00 17
1977	758.00 17	541.00 17	398.00 17	281.00 18	173.00 18	142.00 18	117.00 18	93.00 18	65.00 18
1978	1520.00 6	1390.00 3	1040.00 4	783.00 1	496.00 3	308.00 6	247.00 5	213.00 7	180.00 7
1979	1560.00 3	1340.00 6	1060.00 3	733.00 2	433.00 4	317.00 3	235.00 7	218.00 5	206.00 3
1980	978.00 13	685.00 16	574.00 13	355.00 14	262.00 14	211.00 13	186.00 12	182.00 10	159.00 11
1981	1250.00 9	1160.00 8	834.00 7	519.00 9	339.00 10	219.00 12	161.00 16	142.00 14	113.00 15
1982	1550.00 4	1390.00 4	1110.00 1	722.00 3	547.00 1	403.00 1	322.00 1	271.00 1	206.00 4
1983	1100.00 11	940.00 12	582.00 12	331.00 16	256.00 15	180.00 17	135.00 17	117.00 17	105.00 16
1984	819.00 16	767.00 14	588.00 11	418.00 12	277.00 13	245.00 10	218.00 9	191.00 9	178.00 8
1985	1750.00 1	1420.00 1	914.00 5	537.00 8	356.00 9	313.00 4	251.00 4	226.00 4	190.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	122.00 11
1970	119.00 10
1971	83.00 6
1972	60.00 3
1973	135.00 14
1974	131.00 13
1975	136.00 15
1976	75.00 5
1977	42.00 1
1978	92.00 7
1979	129.00 12
1980	140.00 16
1981	68.00 4
1982	140.00 17
1983	52.00 2
1984	102.00 8
1985	114.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	102.00 11
1969	131.00 3
1970	89.00 12
1971	74.00 14
1972	80.00 13
1973	150.00 1
1974	123.00 5
1975	117.00 7
1976	68.00 15
1977	38.00 18
1978	128.00 4
1979	150.00 2
1980	119.00 6
1981	67.00 16
1982	115.00 8
1983	59.00 17
1984	105.00 10
1985	111.00 9

## 03361650 SUGAR CREEK AT NEW PALESTINE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	8.71	12.90	175.00	107.00	247.00	77.20	180.00	184.00	82.30	23.30	110.00	16.40
1969	12.30	75.70	160.00	345.00	234.00	46.60	166.00	68.40	117.00	241.00	71.60	35.80
1970	61.90	163.00	77.50	118.00	161.00	149.00	174.00	58.20	34.50	43.60	22.70	7.39
1971	9.57	17.40	48.90	74.30	402.00	132.00	30.00	71.40	85.10	21.00	10.50	15.80
1972	18.40	12.10	181.00	101.00	46.90	119.00	279.00	83.80	75.30	18.80	9.57	20.80
1973	31.50	328.00	194.00	138.00	127.00	314.00	204.00	59.40	232.00	89.50	70.70	16.10
1974	13.20	80.20	219.00	318.00	119.00	153.00	187.00	104.00	202.00	31.90	20.80	28.50
1975	18.40	42.70	143.00	289.00	346.00	243.00	188.00	65.50	51.90	14.90	7.97	6.79
1976	9.90	13.60	71.70	145.00	197.00	138.00	35.10	23.40	58.10	97.40	24.90	6.18
1977	12.70	10.70	9.11	5.35	90.30	131.00	98.80	46.80	11.50	9.21	17.10	14.70
1978	91.80	36.10	268.00	48.60	35.70	413.00	166.00	138.00	80.30	67.00	136.00	43.90
1979	43.80	72.90	145.00	168.00	191.00	304.00	197.00	41.90	45.80	236.00	306.00	40.50
1980	34.40	193.00	169.00	90.20	86.10	232.00	151.00	105.00	191.00	33.50	123.00	21.10
1981	10.60	14.70	17.10	13.70	103.00	35.00	65.20	320.00	86.20	62.30	43.90	32.40
1982	21.70	26.20	68.30	219.00	439.00	308.00	94.90	61.60	103.00	28.30	23.60	8.89
1983	7.98	19.60	114.00	51.80	65.90	51.60	154.00	193.00	22.10	18.70	6.49	3.42
1984	13.10	125.00	221.00	49.20	168.00	253.00	227.00	109.00	29.80	38.40	15.70	17.70
1985	22.50	130.00	179.00	116.00	285.00	209.00	205.00	109.00	42.60	19.10	24.30	9.50

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
10.40	14.40	70.80	51.10	89.20	109.00
FIFTIETH PERCENTILE					
15.80	39.40	153.00	112.00	165.00	151.00
SEVENTY FIFTH PERCENTILE					
32.20	126.00	184.00	181.00	257.00	266.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
97.80	59.10	40.60	19.00	14.40	8.51
FIFTIETH PERCENTILE					
170.00	77.60	77.80	32.70	23.90	16.19
SEVENTY FIFTH PERCENTILE					
199.00	116.00	107.00	72.60	81.20	29.50

## 03361850 BUCK CREEK AT ACTON, IN

LOCATION.--Lat 39°39'25", long 85°57'27", in NW¼SE¼ sec.15, T.14 N., R.5 E., Marion County, Hydrologic Unit 05120204, on left bank 30 ft downstream from McGregor Road bridge, 0.5 mi east of Acton, and 4.1 mi upstream from mouth.

DRAINAGE AREA.--78.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1967 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 757.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Low flow is effected by regulation.

AVERAGE DISCHARGE.--18 years, 90.6 ft<sup>3</sup>/s, 15.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,140 ft<sup>3</sup>/s July 20, 1969, gage height, 14.99 ft; minimum daily, 0.60 ft<sup>3</sup>/s Oct. 1, 4, 1967.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968		4	1			1	2	7	27	30	16	19	22	31	25	17	23	15	18	17	15	16	13	15	5	6	5	3	2	6		3	1	1		
1969						2	12	15	13	17	14	13	9	25	28	44	30	24	19	13	14	22	14	9	5	4	8	2	1	2	3	1	1	1		
1970						5	16	15	17	26	12	27	37	21	25	35	27	26	14	13	13	9	9	4	7	1	2	1	2	1						
1971				2		2	4	6	20	23	39	37	25	27	35	25	23	21	12	10	11	10	14	2	3	1	3	5	2		1	2				
1972								17	34	42	27	11	15	20	22	36	25	23	18	16	17	7	11	6	6	2	5	3	3							
1973									4	15	9	18	23	13	23	23	26	31	22	28	34	18	23	13	15	8	6	4	4	2	2	1				
1974							1	6	8	29	20	22	14	22	17	25	22	30	24	17	26	14	17	13	10	5	9	8	1	4				1		
1975						2	3	6	6	11	10	25	23	22	20	26	27	17	17	24	17	24	22	16	16	9	5	8	4	2	1	1			1	
1976								3	9	22	25	30	34	33	31	18	18	22	32	22	13	15	6	8	8	5	5	3	2	1	1					
1977							8	34	29	65	69	23	18	17	13	23	11	10	11	6	7	5	5	3		5	2					1				
1978										2	2	36	58	37	22	23	34	17	17	25	18	19	11	11	14	6	5	1	3	2	1	1			1	
1979										1	2	8	24	20	22	33	45	29	32	28	19	22	15	19	10	7	8	3	4	3	4	2	5			
1980						2	2	4		3	3	8	28	27	34	44	28	31	20	16	28	18	18	11	11	13	7	2	5	1	1	1				
1981				3	3	3	6	15	8	23	42	48	30	31	24	16	18	16	13	14	10	12	8	3	5	5	4	2			1	1	1			
1982		4	4	6	6	9	17	28	20	18	20	25	27	23	22	17	18	15	19	10	16	8	5	8	2	3	6	3	5	1						
1983		1	8	12	17	30	17	24	8	20	11	24	23	26	30	28	26	13	7	13	5	4	7	3	3	4	1									
1984			1		2	7	11	12	10	22	17	34	30	16	28	15	29	29	24	18	15	13	13	6	7	2	2	1			2					
1985					1	2	2	7	10	15	21	23	35	26	30	35	25	28	17	21	14	12	12	7	6	4	4	3	3				2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6575	100.00	12	10.0	374	5125	77.95	24	220.0	157	616	9.37
1	0.60	4	6575	100.00	13	13.0	438	4751	72.26	25	290.0	121	459	6.98
2	0.78	1	6571	99.94	14	17.0	505	4313	65.60	26	370.0	101	338	5.14
3	1.0	7	6570	99.92	15	22.0	439	3808	57.92	27	480.0	78	237	3.60
4	1.3	16	6563	99.82	16	28.0	488	3369	51.24	28	620.0	58	159	2.42
5	1.7	26	6547	99.57	17	37.0	420	2881	43.82	29	800.0	31	101	1.54
6	2.2	42	6521	99.18	18	47.0	424	2461	37.43	30	1000.0	31	70	1.06
7	2.8	104	6479	98.54	19	61.0	352	2037	30.98	31	1300.0	21	39	0.59
8	3.6	216	6375	96.96	20	79.0	295	1685	25.63	32	1700.0	12	18	0.27
9	4.7	272	6159	93.67	21	100.0	313	1390	21.14	33	2200.0	5	6	0.09
10	6.1	351	5887	89.54	22	130.0	247	1077	16.38	34	2900.0	1	1	0.02
11	7.8	411	5536	84.20	23	170.0	214	830	12.62					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.3  
P90 = 5.9  
P75 = 11.6  
P70 = 14.4  
P50 = 29.5  
P25 = 81.9  
P10 = 210.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	2.70 8	2.80 6	3.00 4	3.30 3	4.00 4	4.50 3	7.80 6	17.00 10	28.00 10
1970	5.40 16	5.80 15	6.90 15	9.00 15	10.00 15	19.00 16	39.00 16	61.00 15	66.00 15
1971	1.19 3	1.40 1	2.60 2	3.80 5	5.00 5	6.40 6	6.80 3	7.70 5	11.00 2
1972	2.40 7	2.80 7	3.10 5	4.70 7	5.70 6	6.30 5	7.70 5	7.50 3	14.00 4
1973	4.40 14	4.60 13	4.90 12	4.90 8	6.00 7	8.20 7	10.00 9	21.00 12	35.00 11
1974	3.70 12	5.50 14	6.30 14	7.20 14	9.10 14	10.00 11	12.00 12	21.00 13	51.00 14
1975	3.20 11	3.50 10	4.00 8	5.20 10	6.80 8	13.00 13	15.00 13	19.00 11	47.00 13
1976	2.00 5	2.40 5	3.80 7	4.50 6	6.90 9	8.20 8	8.70 7	9.50 6	17.00 6
1977	2.80 9	2.90 8	3.10 6	3.40 4	3.80 3	5.10 4	6.80 4	7.70 4	9.40 1
1978	4.00 13	4.10 11	4.40 10	5.20 11	8.20 13	10.00 12	10.00 10	11.00 7	21.00 8
1979	8.50 17	9.40 17	11.00 17	12.00 17	18.00 17	28.00 17	44.00 17	67.00 17	91.00 17
1980	5.30 15	7.40 16	8.70 16	10.00 16	11.00 16	15.00 14	31.00 15	65.00 16	74.00 16
1981	2.10 6	3.10 9	4.50 11	6.60 12	7.00 10	9.10 10	11.00 11	11.00 8	26.00 9
1982	1.40 4	1.50 2	4.10 9	4.90 9	7.60 12	8.30 9	9.40 8	11.00 9	18.00 7
1983	1.00 1	1.50 3	2.90 3	3.00 2	3.20 2	4.00 2	4.80 2	5.90 1	15.00 5
1984	1.19 2	1.70 4	2.20 1	2.20 1	2.40 1	2.80 1	3.60 1	5.90 2	13.00 3
1985	3.00 10	4.20 12	5.40 13	7.10 13	7.50 11	17.00 15	23.00 14	28.00 14	39.00 12

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	2490.00 3	1560.00 2	1030.00 3	562.00 5	326.00 11	234.00 10	194.00 9	197.00 7	177.00 7
1969	3490.00 1	2060.00 1	1050.00 2	689.00 2	467.00 1	303.00 3	230.00 4	188.00 8	162.00 9
1970	1620.00 10	941.00 13	565.00 14	314.00 15	196.00 16	154.00 16	151.00 14	135.00 14	124.00 12
1971	1420.00 14	1020.00 10	749.00 9	490.00 8	344.00 9	214.00 12	166.00 12	136.00 12	103.00 15
1972	922.00 17	621.00 17	448.00 16	355.00 13	247.00 12	177.00 15	136.00 16	123.00 16	110.00 14
1973	1940.00 8	1050.00 9	588.00 13	493.00 7	347.00 8	246.00 9	211.00 8	187.00 9	201.00 1
1974	2250.00 4	1210.00 8	720.00 10	442.00 11	352.00 7	252.00 8	219.00 7	211.00 5	196.00 2
1975	2210.00 5	1430.00 5	760.00 8	458.00 10	368.00 6	300.00 4	276.00 1	250.00 1	194.00 4
1976	1040.00 16	800.00 15	411.00 17	239.00 17	219.00 15	179.00 14	156.00 13	135.00 15	95.00 16
1977	1290.00 15	698.00 16	480.00 15	299.00 16	182.00 17	147.00 17	118.00 17	92.00 17	65.00 18
1978	2890.00 2	1540.00 3	958.00 4	657.00 3	405.00 4	260.00 7	224.00 5	231.00 2	192.00 5
1979	2180.00 6	1500.00 4	1100.00 1	744.00 1	447.00 2	310.00 2	223.00 6	207.00 6	196.00 3
1980	1460.00 12	1010.00 11	615.00 11	347.00 14	227.00 14	181.00 13	138.00 15	136.00 13	126.00 11
1981	1800.00 9	1340.00 7	952.00 5	604.00 4	390.00 5	261.00 6	190.00 10	162.00 11	120.00 13
1982	1530.00 11	952.00 12	874.00 6	543.00 6	447.00 3	337.00 1	268.00 2	225.00 3	166.00 8
1983	676.00 18	542.00 18	361.00 18	221.00 18	181.00 18	132.00 18	100.00 18	89.00 18	85.00 17
1984	1450.00 13	908.00 14	600.00 12	383.00 12	239.00 13	220.00 11	186.00 11	163.00 10	137.00 10
1985	2060.00 7	1420.00 6	800.00 7	483.00 9	332.00 10	292.00 5	232.00 3	211.00 4	182.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	110.00 10
1970	108.00 9
1971	68.00 5
1972	43.00 3
1973	123.00 15
1974	116.00 12
1975	135.00 16
1976	68.00 6
1977	38.00 1
1978	79.00 8
1979	141.00 17
1980	119.00 13
1981	55.00 4
1982	123.00 14
1983	40.00 2
1984	73.00 7
1985	111.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	99.00 8
1969	117.00 5
1970	75.00 12
1971	57.00 16
1972	68.00 13
1973	132.00 3
1974	119.00 4
1975	108.00 6
1976	62.00 15
1977	37.00 18
1978	133.00 2
1979	138.00 1
1980	95.00 9
1981	66.00 14
1982	89.00 10
1983	47.00 17
1984	83.00 11
1985	106.00 7

03361850 BUCK CREEK AT ACTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	8.96	8.74	191.00	139.00	187.00	70.40	179.00	286.00	57.20	8.35	50.20	5.20
1969	4.08	54.80	146.00	352.00	152.00	27.80	135.00	50.10	85.50	324.00	45.10	19.20
1970	68.30	176.00	53.30	101.00	110.00	133.00	169.00	44.20	17.10	20.40	9.38	6.25
1971	7.30	10.40	48.58	64.00	349.00	95.90	18.50	41.40	44.90	11.70	5.93	7.21
1972	10.10	6.90	147.00	72.60	42.00	106.00	245.00	41.30	86.10	11.70	6.06	43.50
1973	23.00	320.00	162.00	131.00	115.00	301.00	181.00	37.30	192.00	78.20	35.10	10.80
1974	10.20	111.00	209.00	249.00	117.00	158.00	150.00	162.00	196.00	35.80	12.80	20.70
1975	11.40	51.00	160.00	261.00	325.00	243.00	132.00	42.10	47.80	24.80	7.69	9.45
1976	9.18	20.20	106.00	186.00	140.00	96.50	20.40	17.40	50.70	63.60	28.80	9.81
1977	11.20	9.94	8.11	4.09	103.00	134.00	80.40	51.50	8.19	12.70	11.40	11.20
1978	66.10	38.50	251.00	37.60	18.80	347.00	127.00	176.00	168.00	121.00	185.00	43.00
1979	38.00	63.40	143.00	150.00	197.00	280.00	179.00	32.60	24.30	312.00	216.00	19.80
1980	12.00	152.00	135.00	66.40	66.10	206.00	115.00	64.50	93.40	15.50	187.00	24.00
1981	10.10	11.30	15.30	7.03	95.40	29.90	103.00	386.00	65.40	42.50	15.00	11.50
1982	12.80	8.48	45.80	207.00	318.00	274.00	75.10	43.40	63.00	21.30	5.38	3.79
1983	5.81	12.30	117.00	41.20	57.30	41.20	137.00	117.00	14.70	10.70	3.74	2.42
1984	10.20	75.70	133.00	20.50	120.00	231.00	201.00	92.20	21.20	47.00	31.30	15.90
1985	24.80	153.00	192.00	84.60	258.00	226.00	153.00	98.40	29.30	11.90	43.70	11.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
9.12	10.30	52.10	40.30	88.10	89.50
FIFTIETH PERCENTILE					
10.70	44.70	139.00	92.80	119.00	146.00
SEVENTY FIFTH PERCENTILE					
23.40	121.00	169.00	191.00	212.00	251.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
97.30	41.40	23.50	11.90	7.28	6.97
FIFTIETH PERCENTILE					
136.00	50.80	53.90	23.00	21.90	11.40
SEVENTY FIFTH PERCENTILE					
179.00	128.00	87.90	67.20	46.40	20.00

## 03362000 YOUNGS CREEK NEAR EDINBURGH, IN

LOCATION.--Lat 39°25'08", long 86°00'18", in SE¼SW¼ sec.5, T.11 N., R.5 E., Johnson County, Hydrologic Unit 05120204, on left bank on upstream side of county highway bridge, 0.5 mi southwest of Amity, 2.0 mi upstream from mouth, and 5 mi northwest of Edinburg.

DRAINAGE AREA.--107 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1942 to September 1985. Prior to December 1942 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".

GAGE.--Water-stage recorder. Datum of gage is 670.20 ft above National Geodetic Vertical Datum of 1929. Prior to June 30, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--43 years, 107 ft<sup>3</sup>/s, 13.58 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft<sup>3</sup>/s Jan. 27, 1952, gage height, 13.4 ft; minimum daily, 0.5 ft<sup>3</sup>/s Sept. 29, Oct. 20, 21, 1953.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1944			2	12	9	10	35	28	40	30	23	21	28	9	6	4	7	10	17	21	13	9	8	8	3	3	4	2	1	2				1			
1945						5	14	50	48	30	28	9	6	5	15	9	15	24	13	18	12	10	13	5	14	11	3	3		3	2						
1946						8	8	9	18	8	7	10	24	27	29	20	22	26	35	25	26	15	19	7	6	7	4	2	1	2							
1947			2	13	1	3	3	9	21	28	17	24	17	18	19	23	24	22	22	30	13	19	10	7	7	3	5	3		1			1				
1948						15	20	29	20	34	32	46	17	11	17	21	12	17	15	12	10	8	7	8	1	7	4	2	1								
1949						1	7	5	22	20	13	13	26	23	21	12	28	24	30	22	24	12	19	14	11	3	3	5	2	3	1			1			
1950							2	1	28	30	9	32	14	11	20	24	28	29	26	24	18	20	6	16	3	4	11	3	2	3			1				
1951						3	8	7	37	14	4	12	10	14	15	40	29	28	25	21	18	16	15	21	11	6	4	3	1	3							
1952						3	8	12	33	29	19	2	8	9	20	18	19	23	15	25	19	17	27	16	13	7	11	4	4	3		1		1			
1953	1		5	5	13	28	19	29	19	11	8	36	17	15	12	17	24	25	20	21	12	9	7	3	6	1	1										
1954	5	7	14	16	43	51	30	20	12	12	10	22	21	16	18	26	22	5	4	5	2	2		2													
1955						1	6	24	30	44	20	11	13	12	25	22	27	24	19	21	15	19	7	10		7	2	4	2								
1956							2	14	12	10	5	14	42	37	32	30	22	22	25	16	18	17	18	9	9	3	5	1	1	1					1		
1957						8	4	22	25	20	13	10	21	14	17	33	34	29	19	30	14	11	6	9	10	1	6	5		1	1	1	1			1	
1958							1	15	13	1	7	7	21	21	48	60	36	28	25	18	14	7	16	5	10	7			2	2			1				
1959						4	13	15	12	10	10	10	15	31	26	44	24	26	24	32	15	17	11	11	5	5	2							1			
1960						5	19	17	50	13	19	11	38	35	27	28	26	15	20	11	9	8	8			2		2	2	1							
1961						8	10	19	34	43	49	25	22	13	11	7	25	18	9	9	8	7	7	7	14	8	3	2	4		1		1	1			
1962						4	22	10	30	13	24	28	22	30	29	33	26	24	22	12	10	4	7	5	2	4	2			2							
1963						5	52	83	24	34	24	28	16	22	16	12	11	6	8	7	7	2	1	2	2		2										
1964						23	42	54	24	30	25	11	30	25	13	12	6	12	9	6	10	3	5	6	6	2	4	2	1	2	1		2				
1965						1	15	4	12	30	44	29	15	13	13	19	26	23	20	15	22	12	10	14	9	8	4	4	1	1			1				
1966						3	8	18	14	12	13	11	42	39	50	35	30	29	13	14	13	7	4	4		3	1	2									
1967						6	34	28	21	11	11	12	10	8	10	25	43	27	27	25	10	15	12	11	6	5	2	1	1	2	2						
1968						1	6	9	25	22	21	17	26	32	37	25	23	19	17	20	16	11	9	8	8	4	2	4	2		1					1	
1969								22	17	17	21	20	21	40	42	42	26	16	13	13	17	10	12	1	5	2	3	2	1			2					
1970						4	25	23	18	8	18	13	21	33	32	47	29	29	18	10	15	8	5	4	1	3	1										
1971						1	30	25	21	28	18	29	28	36	23	27	25	13	14	15	9	5	3	4	3	4		2	1	1							
1972						2	29	58	22	12	9	14	11	20	30	48	36	22	15	8	4	9	5	4	3	1	2	1			1						
1973							2	29	9	16	12	11	24	24	42	29	27	32	24	22	14	19	10	12	2	5											
1974							1	8	28	10	22	21	20	15	29	41	31	30	33	19	15	11	10	7	6	4	4										
1975						5	13	23	14	7	8	10	28	23	18	27	24	34	37	18	26	17	13	7	5	5	1			1	1						
1976						3	19	15	16	11	26	33	34	24	29	30	28	30	24	9	10	3	11	3	5	3											
1977						2	8	34	14	46	53	28	39	22	19	18	16	7	6	9	3	7	5	2	5	3	1										
1978							8	8	26	24	51	35	36	36	25	20	19	14	18	10	11	7	8	1	3	4					1						
1979							2	8		1	26	22	35	44	45	43	36	19	13	17	17	7	10	7	2	2	5	2	1			1					
1980								1	11	31	30	26	33	45	37	29	20	29	12	20	15	11	8	2	4	2											
1981						1	4	9	51	28	52	36	40	19	13	15	16	15	14	14	12	9	3	4	3	4					3						
1982						3	40	17	40	23	23	12	21	25	22	21	17	18	25	11	10	7	9	8	2	6	1	2	1	1							
1983						24	37	38	13	10	15	14	17	30	31	36	25	22	12	11	8	7	3	3	4	3			2								
1984						1	11	27	15	18	12	22	18	14	24	21	15	12	45	41	19	20	12	7	3	5	2	1				1					
1985							6	5	8	17	24	34	33	25	28	30	29	28	29	9	18	14	7	6	3	7	1	2	1	1							

## 03362000 YOUNGS CREEK NEAR EDINBURGH, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	15341	100.00	12	11.0	917	11115	72.45	24	340.0	358	1060	6.91
1	0.50	6	15341	100.00	13	15.0	832	10198	66.48	25	460.0	219	702	4.58
2	0.66	11	15335	99.96	14	20.0	956	9366	61.05	26	610.0	172	483	3.15
3	0.88	31	15324	99.89	15	27.0	951	8410	54.82	27	810.0	131	311	2.03
4	1.2	45	15293	99.69	16	35.0	1140	7459	48.62	28	1100.0	67	180	1.17
5	1.6	141	15248	99.39	17	47.0	1168	6319	41.19	29	1400.0	48	113	0.74
6	2.1	291	15107	98.47	18	63.0	931	5151	33.58	30	1900.0	32	65	0.42
7	2.8	531	14816	96.58	19	83.0	884	4220	27.51	31	2500.0	14	33	0.22
8	3.7	806	14285	93.12	20	110.0	842	3336	21.75	32	3300.0	11	19	0.12
9	4.9	860	13479	87.86	21	150.0	504	2494	16.26	33	4400.0	7	8	0.05
10	6.4	957	12619	82.26	22	190.0	560	1990	12.97	34	5900.0	1	1	0.01
11	8.6	547	11662	76.02	23	260.0	370	1430	9.32					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	3.2
P90 =	4.4
P75 =	9.3
P70 =	12.6
P50 =	33.2
P25 =	94.8
P10 =	247.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1944	1.80 6	1.80 6	2.10 8	2.70 11	3.20 11	4.30 13	4.50 8	5.70 10	13.00 13
1945	0.80 3	0.83 3	0.93 2	1.10 2	1.40 1	3.10 4	4.40 7	4.50 6	5.30 3
1946	2.70 22	2.80 21	3.20 22	3.50 22	3.80 20	11.00 35	16.00 35	48.00 39	49.00 35
1947	0.80 4	0.93 4	1.30 3	1.50 3	2.20 5	4.30 14	4.90 10	8.10 17	15.00 15
1948	2.80 25	2.80 22	3.30 23	3.60 24	4.10 25	5.60 21	6.80 21	7.90 16	16.00 17
1949	2.00 14	2.20 12	2.30 10	2.40 9	2.60 7	3.70 8	6.20 18	28.00 36	37.00 31
1950	2.50 19	2.60 17	3.00 19	4.70 31	7.50 34	14.00 37	15.00 34	19.00 30	22.00 24
1951	4.90 36	5.00 33	5.40 34	5.60 32	6.10 31	10.00 33	20.00 36	19.00 31	38.00 32
1952	1.90 10	2.30 15	2.90 16	3.30 19	3.80 21	4.10 12	5.00 11	11.00 24	48.00 34
1953	1.80 7	1.80 7	2.00 6	2.20 6	2.50 6	3.40 5	4.10 6	4.60 7	8.50 9
1954	0.50 1	0.53 1	0.73 1	0.86 1	1.40 2	2.00 1	2.40 1	2.80 2	3.40 2
1955	0.60 2	0.77 2	1.30 4	1.70 5	2.10 3	2.20 2	2.40 2	2.70 1	3.30 1
1956	1.90 11	2.20 13	2.40 11	2.90 13	3.20 12	5.20 20	12.00 32	17.00 29	35.00 30
1957	2.10 15	2.20 14	2.70 14	3.00 14	3.50 16	4.40 15	5.40 15	7.50 14	21.00 23
1958	4.70 33	5.30 36	5.60 35	5.70 33	8.00 35	9.30 31	11.00 30	24.00 33	97.00 41
1959	18.00 42	18.00 42	20.00 42	24.00 42	25.00 42	47.00 42	54.00 42	68.00 41	83.00 40
1960	2.70 23	2.70 18	2.90 17	3.00 15	3.70 18	5.80 23	6.60 19	8.40 18	15.00 16
1961	1.80 8	1.80 8	2.00 7	2.30 7	2.80 8	4.00 11	5.20 12	5.40 8	8.00 8
1962	2.20 16	2.70 19	3.10 20	3.10 17	4.00 22	5.70 22	6.10 17	7.60 15	12.00 12
1963	4.80 34	5.00 34	5.30 33	6.10 35	6.50 33	7.40 28	7.60 25	8.60 20	14.00 14
1964	2.00 12	2.10 10	2.20 9	2.30 8	2.80 9	3.60 6	3.40 4	4.00 4	7.60 7
1965	1.40 5	1.50 5	1.60 5	1.60 4	2.10 4	2.60 3	2.80 3	3.60 3	5.80 4
1966	3.60 31	3.60 31	3.80 29	4.20 27	5.60 28	13.00 36	21.00 37	24.00 34	28.00 27
1967	2.00 13	2.20 11	2.60 13	2.70 12	3.40 14	4.50 16	7.10 22	11.00 25	20.00 20
1968	2.20 17	2.40 16	2.90 18	3.00 16	3.30 13	3.80 9	4.60 9	5.50 9	11.00 10
1969	4.40 32	4.60 32	4.80 32	5.90 34	6.30 32	7.20 27	7.50 24	23.00 32	44.00 33
1970	8.30 40	8.60 40	9.60 40	13.00 40	14.00 40	17.00 40	29.00 40	58.00 40	63.00 37
1971	3.20 29	3.50 28	3.80 30	4.30 28	4.60 26	4.90 18	5.90 16	7.20 13	11.00 11
1972	2.50 18	2.90 23	3.10 21	3.20 18	3.50 15	3.70 7	4.00 5	4.10 5	6.70 5
1973	2.70 24	3.20 26	3.50 26	3.50 23	3.70 19	5.00 19	8.70 28	9.80 22	28.00 28
1974	6.00 37	6.10 37	6.50 36	7.60 38	10.00 39	11.00 34	14.00 33	26.00 35	66.00 38
1975	4.80 35	5.30 35	7.20 39	8.10 39	8.50 36	16.00 39	24.00 38	33.00 38	56.00 36
1976	3.00 27	3.40 27	3.70 27	4.30 29	5.20 27	6.50 26	8.20 26	15.00 27	31.00 29
1977	1.90 9	2.00 9	2.40 12	2.60 10	3.00 10	4.00 10	5.30 13	6.50 12	7.60 6
1978	2.60 20	2.70 20	2.80 15	3.40 20	5.80 30	8.10 30	10.00 29	16.00 28	20.00 21
1979	6.00 38	6.30 38	6.90 37	7.20 36	9.40 38	15.00 38	25.00 39	32.00 37	68.00 39
1980	16.00 41	16.00 41	17.00 41	18.00 41	20.00 41	26.00 41	46.00 41	98.00 42	109.00 42
1981	6.60 39	7.00 39	7.00 38	7.30 37	9.20 37	9.70 32	12.00 31	12.00 26	21.00 22
1982	3.40 30	3.60 29	4.00 31	4.70 30	5.70 29	7.60 29	8.50 27	9.30 21	25.00 25
1983	2.90 26	3.00 24	3.40 25	3.90 25	4.00 23	4.50 17	5.40 14	6.30 11	17.00 18
1984	2.60 21	3.00 25	3.30 24	3.40 21	3.60 17	6.00 25	6.60 20	11.00 23	27.00 26
1985	3.20 28	3.60 30	3.70 28	3.90 26	4.10 24	5.90 24	7.10 23	8.50 19	20.00 19

03362000 YOUNGS CREEK NEAR EDINBURGH, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	3610.00 11	2400.00 9	1410.00 7	757.00 15	497.00 16	345.00 18	282.00 16	221.00 22	152.00 28
1945	2380.00 25	1660.00 23	1150.00 18	666.00 18	482.00 20	382.00 11	288.00 15	266.00 10	198.00 17
1946	1800.00 30	1270.00 30	733.00 32	396.00 35	260.00 37	214.00 35	220.00 27	179.00 31	167.00 26
1947	3410.00 15	2030.00 16	1410.00 8	773.00 12	492.00 18	399.00 9	316.00 9	248.00 18	219.00 12
1948	1450.00 32	905.00 34	696.00 33	445.00 33	381.00 26	254.00 28	217.00 29	187.00 29	136.00 33
1949	4490.00 8	2460.00 8	1230.00 16	769.00 14	694.00 2	487.00 2	398.00 3	332.00 4	244.00 7
1950	3610.00 12	2390.00 10	1510.00 4	1250.00 1	866.00 1	625.00 1	482.00 1	410.00 1	298.00 1
1951	2290.00 26	1490.00 26	868.00 26	568.00 23	359.00 29	332.00 19	297.00 10	282.00 8	249.00 5
1952	5880.00 2	3240.00 2	1550.00 3	1000.00 3	585.00 6	484.00 3	398.00 4	370.00 2	294.00 2
1953	1450.00 33	890.00 36	524.00 37	353.00 38	261.00 36	180.00 38	183.00 35	155.00 35	123.00 37
1954	381.00 42	272.00 42	166.00 42	99.00 42	81.00 42	66.00 42	52.00 42	48.00 42	38.00 42
1955	960.00 41	589.00 41	498.00 40	299.00 40	241.00 39	176.00 40	147.00 40	131.00 39	105.00 39
1956	4610.00 7	2520.00 6	1250.00 12	712.00 17	405.00 23	260.00 26	213.00 31	213.00 25	183.00 21
1957	4620.00 6	2290.00 11	1430.00 5	870.00 8	518.00 13	459.00 6	366.00 5	355.00 3	273.00 3
1958	3420.00 14	1690.00 22	1250.00 13	739.00 16	514.00 14	375.00 12	297.00 11	251.00 15	194.00 19
1959	3730.00 10	2260.00 13	1100.00 19	597.00 21	506.00 15	362.00 16	279.00 17	251.00 16	201.00 15
1960	2150.00 27	1390.00 27	849.00 27	492.00 27	324.00 33	206.00 36	174.00 36	157.00 34	135.00 34
1961	5700.00 3	3470.00 1	1820.00 2	954.00 5	659.00 3	465.00 5	416.00 2	326.00 5	220.00 11
1962	2820.00 20	2080.00 15	1060.00 20	524.00 26	363.00 28	243.00 31	221.00 26	186.00 30	159.00 27
1963	5560.00 4	2950.00 4	1410.00 6	809.00 11	555.00 9	315.00 22	217.00 30	169.00 32	129.00 35
1964	4130.00 9	2520.00 7	1350.00 11	771.00 13	522.00 12	474.00 4	329.00 8	251.00 17	170.00 24
1965	2960.00 17	1580.00 24	869.00 25	466.00 31	388.00 24	251.00 29	242.00 24	198.00 26	142.00 30
1966	1000.00 40	750.00 39	461.00 41	275.00 41	180.00 41	140.00 41	116.00 41	99.00 41	84.00 40
1967	2780.00 22	2210.00 14	1370.00 10	1040.00 2	595.00 5	365.00 15	291.00 13	260.00 13	228.00 10
1968	6260.00 1	3180.00 3	1830.00 1	981.00 4	562.00 8	326.00 21	263.00 21	260.00 14	229.00 9
1969	3490.00 13	2270.00 12	1220.00 17	870.00 9	583.00 7	373.00 13	290.00 14	236.00 19	187.00 20
1970	1150.00 37	787.00 37	516.00 39	374.00 36	243.00 38	178.00 39	174.00 37	154.00 36	138.00 32
1971	2020.00 28	1280.00 29	1010.00 21	644.00 19	435.00 21	270.00 25	202.00 32	164.00 33	126.00 36
1972	1930.00 29	1090.00 31	782.00 29	534.00 25	337.00 32	223.00 34	174.00 38	146.00 38	113.00 38
1973	1300.00 34	894.00 35	607.00 35	475.00 28	421.00 22	329.00 20	262.00 22	234.00 20	231.00 8
1974	1290.00 35	1070.00 32	678.00 34	470.00 30	343.00 31	254.00 27	221.00 25	219.00 23	198.00 16
1975	2900.00 18	1950.00 17	1010.00 22	596.00 22	486.00 19	397.00 10	348.00 6	309.00 6	248.00 6
1976	1050.00 39	777.00 38	527.00 36	307.00 39	274.00 35	228.00 33	218.00 28	195.00 27	144.00 29
1977	1090.00 38	623.00 40	519.00 38	371.00 37	222.00 40	183.00 37	148.00 39	116.00 40	83.00 41
1978	2560.00 23	1890.00 19	1240.00 14	853.00 10	493.00 17	311.00 23	276.00 19	265.00 11	195.00 18
1979	5340.00 5	2580.00 5	1230.00 15	936.00 6	606.00 4	400.00 8	292.00 12	263.00 12	269.00 4
1980	1270.00 36	983.00 33	748.00 31	446.00 32	315.00 34	241.00 32	184.00 33	187.00 28	176.00 23
1981	2420.00 24	1930.00 18	1390.00 9	872.00 7	553.00 10	371.00 14	269.00 20	222.00 21	167.00 25
1982	3120.00 16	1860.00 20	932.00 24	618.00 20	528.00 11	433.00 7	340.00 7	289.00 7	212.00 14
1983	1690.00 31	1350.00 28	766.00 30	423.00 34	371.00 27	246.00 30	183.00 34	154.00 37	139.00 31
1984	2880.00 19	1560.00 25	835.00 28	475.00 29	344.00 30	297.00 24	242.00 23	213.00 24	180.00 22
1985	2810.00 21	1760.00 21	943.00 23	560.00 24	383.00 25	354.00 17	277.00 18	268.00 9	214.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1944	84.00 14
1945	105.00 22
1946	126.00 26
1947	71.00 9
1948	127.00 28
1949	153.00 36
1950	145.00 34
1951	142.00 33
1952	168.00 39
1953	81.00 13
1954	38.00 2
1955	51.00 5
1956	103.00 21
1957	80.00 12
1958	180.00 42
1959	178.00 41
1960	86.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	78.00 33
1945	109.00 22
1946	102.00 24
1947	120.00 17
1948	81.00 31
1949	132.00 12
1950	165.00 3
1951	153.00 5
1952	170.00 2
1953	65.00 37
1954	20.00 42
1955	59.00 39
1956	133.00 10
1957	150.00 7
1958	155.00 4
1959	118.00 18
1960	82.00 29



03362000 YOUNGS CREEK NEAR EDINBURGH, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	79.00	10
1962	126.00	27
1963	86.00	16
1964	61.00	7
1965	95.00	18
1966	69.00	8
1967	114.00	25
1968	95.00	19
1969	148.00	35
1970	107.00	23
1971	80.00	11
1972	35.00	1
1973	134.00	31
1974	130.00	30
1975	162.00	37
1976	99.00	20
1977	40.00	3
1978	94.00	17
1979	140.00	32
1980	170.00	40
1981	51.00	4
1982	165.00	38
1983	53.00	6
1984	108.00	24
1985	128.00	29

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	114.00	19
1962	100.00	25
1963	70.00	35
1964	87.00	27
1965	81.00	30
1966	50.00	40
1967	129.00	13
1968	133.00	11
1969	129.00	14
1970	80.00	32
1971	68.00	36
1972	63.00	38
1973	152.00	6
1974	121.00	16
1975	141.00	8
1976	84.00	28
1977	46.00	41
1978	134.00	9
1979	176.00	1
1980	112.00	20
1981	90.00	26
1982	112.00	21
1983	76.00	34
1984	106.00	23
1985	129.00	15

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1943	*	*	103.00	58.90	148.00	352.00	57.00	443.00	118.00	13.70	15.20	37.10
1944	3.23	5.62	4.89	30.60	65.50	206.00	476.00	123.00	14.30	2.03	5.87	9.94
1945	2.83	6.05	5.26	15.20	149.00	456.00	237.00	94.60	238.00	17.10	18.40	69.80
1946	90.60	52.00	151.00	128.00	189.00	241.00	32.30	248.00	48.90	20.80	17.40	3.08
1947	5.57	10.60	71.70	232.00	68.60	86.70	285.00	210.00	404.00	15.30	45.90	7.92
1948	4.56	8.06	12.10	130.00	156.00	257.00	198.00	65.30	15.20	123.00	7.51	3.21
1949	8.48	108.00	144.00	676.00	254.00	229.00	56.60	33.70	29.90	23.00	14.00	14.70
1950	40.40	12.10	91.50	837.00	402.00	195.00	167.00	78.20	84.70	24.60	7.48	46.20
1951	8.86	216.00	204.00	320.00	340.00	223.00	184.00	95.70	87.70	150.00	11.20	4.27
1952	4.07	47.10	442.00	490.00	234.00	263.00	272.00	53.30	196.00	22.90	5.43	5.17
1953	2.94	5.39	17.60	78.30	72.20	249.00	101.00	186.00	22.00	38.90	3.54	2.48
1954	1.82	3.91	3.95	29.80	15.10	42.40	52.80	56.50	29.50	2.61	2.43	2.36
1955	3.71	4.31	21.60	86.30	117.00	231.00	75.60	76.00	30.40	25.10	4.82	32.80
1956	41.90	391.00	58.80	22.80	379.00	122.00	146.00	150.00	133.00	157.00	15.10	6.35
1957	3.76	7.10	56.50	81.20	148.00	64.40	426.00	437.00	225.00	305.00	31.40	10.10
1958	9.41	66.20	399.00	123.00	41.00	75.70	87.50	167.00	463.00	216.00	118.00	87.00
1959	35.30	101.00	67.80	324.00	286.00	198.00	131.00	207.00	43.10	15.60	7.69	5.62
1960	7.59	32.40	83.40	126.00	281.00	105.00	58.20	56.70	189.00	41.30	13.40	7.09
1961	2.82	6.11	7.24	17.60	72.60	475.00	243.00	475.00	27.20	14.90	6.24	7.55
1962	5.69	13.10	72.40	206.00	178.00	267.00	52.30	67.70	19.40	263.00	26.80	29.30
1963	7.19	9.01	7.16	23.10	15.30	498.00	113.00	22.80	24.50	51.50	55.90	6.16
1964	3.26	4.43	2.90	11.20	18.30	410.00	516.00	46.00	11.80	13.30	3.24	2.62
1965	2.69	6.31	6.45	71.90	266.00	221.00	237.00	47.90	13.30	48.70	7.24	64.50
1966	24.70	14.40	26.90	121.00	162.00	65.50	50.00	82.50	15.40	27.10	5.05	8.12
1967	8.34	294.00	415.00	77.70	135.00	246.00	96.60	218.00	34.30	8.15	4.59	3.27
1968	6.63	11.30	236.00	146.00	277.00	99.10	96.90	510.00	126.00	24.60	55.80	7.03
1969	7.44	78.90	180.00	446.00	195.00	40.90	173.00	35.00	50.00	304.00	26.40	16.00
1970	46.50	157.00	68.30	128.00	160.00	123.00	186.00	54.80	28.60	10.30	5.08	5.32
1971	8.95	20.00	41.80	66.10	441.00	120.00	28.30	70.10	37.40	7.42	3.81	4.14
1972	4.58	3.97	53.20	56.20	35.50	114.00	331.00	72.10	57.40	14.60	5.33	7.95
1973	12.90	277.00	191.00	150.00	125.00	365.00	280.00	45.50	179.00	145.00	41.60	10.20
1974	12.60	110.00	204.00	264.00	116.00	157.00	186.00	195.00	110.00	18.80	16.90	64.80
1975	35.20	98.30	183.00	268.00	428.00	356.00	169.00	50.50	80.60	30.10	7.41	7.29
1976	27.10	59.20	197.00	229.00	181.00	154.00	35.50	25.50	50.40	25.30	21.00	6.74
1977	11.30	8.38	6.52	3.13	118.00	172.00	99.20	69.00	22.20	24.50	9.87	8.98
1978	41.10	32.80	300.00	35.60	23.20	446.00	112.00	235.00	136.00	149.00	59.00	20.10
1979	17.30	50.30	118.00	190.00	237.00	360.00	252.00	65.40	58.20	492.00	231.00	31.50
1980	22.70	223.00	200.00	94.50	83.30	280.00	158.00	77.50	61.30	19.90	111.00	15.00
1981	10.10	12.00	16.50	9.32	81.90	45.90	143.00	512.00	130.00	45.50	60.00	10.40
1982	8.06	9.37	59.50	316.00	390.00	308.00	109.00	44.50	81.40	23.90	6.64	5.47
1983	4.51	11.20	156.00	64.10	73.70	55.30	235.00	246.00	38.00	17.70	8.37	3.75
1984	32.00	138.00	159.00	39.00	126.00	250.00	339.00	129.00	39.60	13.20	6.58	6.39
1985	8.40	60.60	259.00	119.00	280.00	293.00	197.00	123.00	87.30	20.70	88.00	21.00

## WABASH RIVER BASIN

03362000 YOUNGS CREEK NEAR EDINBURGH, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.40	7.82	17.60	39.00	73.70	114.00
FIFTIETH PERCENTILE					
8.37	17.19	72.40	119.00	149.00	223.00
SEVENTY FIFTH PERCENTILE					
23.19	99.00	191.00	229.00	266.00	293.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
87.50	54.80	28.60	15.30	5.87	5.32
FIFTIETH PERCENTILE					
158.00	78.20	50.40	24.50	11.20	7.92
SEVENTY FIFTH PERCENTILE					
237.00	207.00	126.00	51.50	31.40	20.10

## 03362500 SUGAR CREEK NEAR EDINBURGH, IN

LOCATION.--Lat 39°21'39", long 85°59'51", in SW¼SE¼ sec.29, T.11 N., R.5 E., Johnson County, Hydrologic Unit 05120204, on left bank 50 ft upstream from highway bridge in Camp Atterbury, 1.3 mi upstream from confluence with Blue River, 1.5 mi northwest of Edinburgh, and at mile 1.3.

DRAINAGE AREA.--474 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1942 to September 1985. Prior to February 1943 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".

GAGE.--Water-stage recorder. Datum of gage is 646.23 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1952, nonrecording gage on downstream side of old highway bridge, 100 ft downstream at same datum.

AVERAGE DISCHARGE.--43 years, 490 ft<sup>3</sup>/s, 14.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,600 ft<sup>3</sup>/s May 29, 1956, gage height, 18.38 ft; minimum daily, 9.2 ft<sup>3</sup>/s Sept. 19, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944					31	20	17	50	64	34	15	11	10	3	7	6	10	12	20	12	9	10	5	5	2	4	1	2	2	2		1	1			
1945					19	19	32	41	24	13	20	13	28	12	9	12	17	21	16	11	11	6	10	5	4	5	7	5	4		1					
1946					3	7	9	12	17	11	17	25	35	22	33	21	18	16	22	23	15	13	13	8	5	7	6	3	4							
1947					1	13	5	13	12	19	15	16	29	29	16	23	20	28	12	28	25	15	14	9	5		11		3	3		1				
1948						1	18	21	29	61	43	36	14	20	20	10	12	12	12	10	11	4	7	5	5		4	6	4		1					
1949							10	12	25	27	28	25	18	25	28	22	24	22	24	15	12	14	8	4			9	3	3	3	2		2			
1950								4	22	53	23	20	8	11	31	18	27	27	17	20	21	12	9	5	6	6	3	6	8	3	2	2	1			
1951						13	16	13	7	22	20	20	13	17	27	26	32	16	15	21	15	11	22	19	8	3	2	4	2	1						
1952						17	32	19	30	7	7	17	22	13	17	14	20	20	21	22	19	19	12	11	12	3	8	2			1					
1953						4	16	13	40	23	11	16	20	26	15	22	25	18	36	22	15	15	3	7	7	4	4	1	1			1				
1954					8	7	18	16	58	30	44	17	17	10	16	14	20	11	17	12	14	9	7	7	4	4	3	2								
1955					4	3	1	2	20	7	38	45	6	14	11	26	19	19	24	20	22	19	23	13	7	8	5	8	1							
1956						10	10	13	19	20	37	16	21	38	24	25	26	19	16	13	21	8	10	7	1	2	5	1	1	1						2
1957						30	21	14	27	19	21	23	8	32	28	20	19	12	18	17	12	10	7	4	4	6	3	2	4	2	2					
1958						4	11	6	10	7	19	29	46	46	27	34	16	19	18	7	15	10	11	6	6	4	11			3						
1959						2	17	16	17	15	19	33	27	19	25	20	32	24	26	18	14	15	6	6	6	1	2	1	2						2	
1960							14	41	16	36	22	36	39	35	26	27	14	18	11	7	7	4	4	1	3	2	1	2								
1961						7	4	22	43	49	58	21	16	6	13	20	11	16	12	6	7	7	8	5	9	10	1	2	3	3	1	4			1	
1962						9	14	9	28	31	23	30	27	38	31	25	26	18	14	5	9	3	7	4	5	4	4	1								
1963						5	8	7	14	68	65	33	28	18	21	21	10	12	10	6	7	10	4	4	2	4	2	1	2		1				2	
1964						7	40	53	53	19	27	22	24	23	7	6	9	12	12	8	6	6	4	2	6	6	3	2	1	2		2	2	2		
1965						18	11	17	38	32	34	14	11	30	20	14	18	14	16	13	12	13	6	9	7	5	8	1	1	2		1				
1966						6	10	21	30	44	45	47	37	21	14	25	18	14	5	7	5	4	6	1	1	3	1									
1967						8	15	22	13	35	23	11	5	9	12	22	18	25	31	17	20	16	15	13	10	8	5	4	3		3		2			
1968						4	1	8	10	16	19	25	25	26	28	19	20	16	29	21	19	19	12	13	12	5	3	4	2	2	4	1	1		2	
1969							1	44	27	17	9	10	34	52	30	27	20	17	11	11	24	3	5	4	6	6	1	1	1	1	1	2	1			
1970							2	21	25	22	26	22	25	37	29	30	33	18	16	15	11	12	5	6	3	4	2	1								
1971							6	15	29	45	51	37	25	26	35	16	18	10	12	12	7	4	4	1	2	2	2	5		1						
1972							1	63	36	26	18	15	31	42	36	30	16	8	11	5	7	3	6	6	2	3	1									
1973								10	21	25	17	22	25	34	28	20	29	32	21	14	18	19	10	6	7	6	1									
1974								14	33	28	27	10	20	25	26	33	27	25	19	21	13	9	9	8	4	6	7	1								
1975							13	26	23	9	15	29	11	15	21	27	26	28	21	22	19	18	9	7	7	6	10		1	1					1	
1976							19	15	25	44	34	30	23	19	26	16	27	14	16	13	11	8	9	5	5	4	3									
1977							1	11	47	38	37	71	36	23	12	13	19	8	12	6	5	4	3	7	2	6	1	2								
1978								4	29	12	47	41	41	30	25	20	26	19	16	13	5	8	9	5	8	1	2	3	1							
1979								2	13	24	22	27	49	44	36	29	23	20	15	14	9	10	1	4	7	4	5	6		1						
1980								2	15	15	35	27	43	46	27	25	18	20	19	16	17	13	10	5	5	7	1									
1981								8	50	68	27	35	21	21	26	13	19	15	11	14	6	10	6	5	2		3	2	1	1	1					
1982								2	14	14	16	43	42	21	15	19	25	18	14	15	14	18	11	20	11	3	6	3	9	4	4	1	3			
1983								2	19	23	43	18	16	12	11	16	33	25	37	29	18	13	9	6	7	4	5	5	2	1	2					
1984								3	5	10	20	24	18	20	17	25	20	23	19	29	28	23	17	14	18	12	6	5	5	2	2		1			
1985									5	18	36	25	17	24	24	25	30	29	21	24	21	14	11	11	5	8	6	3	2	4					2	

## 03362500 SUGAR CREEK NEAR EDINBURGH, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	110.0	1010	10052	65.52	24	1600.0	266	1003	6.54
1	9.2	12	15341	100.00	13	140.0	816	9042	58.94	25	2000.0	203	737	4.00
2	12.0	10	15329	99.92	14	170.0	950	8226	53.62	26	2500.0	159	534	3.48
3	14.0	19	15319	99.86	15	210.0	1124	7276	47.43	27	3100.0	131	375	2.44
4	18.0	115	15300	99.73	16	270.0	882	6152	40.10	28	3900.0	106	244	1.59
5	23.0	263	15185	98.98	17	330.0	987	5270	34.35	29	4900.0	55	138	0.90
6	28.0	360	14922	97.27	18	420.0	730	4283	27.92	30	6100.0	38	83	0.54
7	35.0	698	14562	94.92	19	520.0	701	3553	23.16	31	7700.0	22	45	0.29
8	44.0	718	13864	90.37	20	650.0	610	2852	18.59	32	9600.0	13	23	0.15
9	55.0	1033	13146	85.69	21	810.0	472	2242	14.61	33	12000.0	8	10	0.07
10	69.0	1121	12113	78.96	22	1000.0	455	1770	11.54	34	15000.0	2	2	0.01
11	87.0	940	10992	71.65	23	1300.0	312	1315	8.57					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	34.8
P90 =	44.9
P75 =	78.7
P70 =	93.2
P50 =	193.0
P25 =	481.0
P10 =	1160.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1944	30.00 15	31.00 15	35.00 17	38.00 18	40.00 16	45.00 16	50.00 14	52.00 10	62.00 7
1945	18.00 4	18.00 3	19.00 3	20.00 2	22.00 3	23.00 2	28.00 4	29.00 2	32.00 1
1946	51.00 33	51.00 32	53.00 30	54.00 29	60.00 29	109.00 37	119.00 36	235.00 38	240.00 32
1947	20.00 6	21.00 6	23.00 6	25.00 9	27.00 8	31.00 7	38.00 7	48.00 8	89.00 13
1948	47.00 27	50.00 28	55.00 32	57.00 30	64.00 34	74.00 31	80.00 28	91.00 27	152.00 27
1949	34.00 19	35.00 18	37.00 18	41.00 20	42.00 19	45.00 17	57.00 19	126.00 32	155.00 28
1950	47.00 28	50.00 29	51.00 27	53.00 27	63.00 31	88.00 34	102.00 34	113.00 30	133.00 24
1951	55.00 35	58.00 36	63.00 37	65.00 36	72.00 36	100.00 36	157.00 38	148.00 33	286.00 35
1952	28.00 14	30.00 14	30.00 14	31.00 13	34.00 11	36.00 11	41.00 8	61.00 16	157.00 29
1953	32.00 16	35.00 19	37.00 19	39.00 19	40.00 17	44.00 15	52.00 15	53.00 11	85.00 11
1954	17.00 2	18.00 4	19.00 4	22.00 5	23.00 4	25.00 4	27.00 3	33.00 5	45.00 4
1955	9.20 1	9.60 1	10.00 1	12.00 1	12.00 1	18.00 1	20.00 1	28.00 1	34.00 2
1956	23.00 8	23.00 7	24.00 7	25.00 6	29.00 9	52.00 20	110.00 35	165.00 36	246.00 33
1957	32.00 17	32.00 16	33.00 15	34.00 15	34.00 12	35.00 8	41.00 9	49.00 9	81.00 10
1958	42.00 26	43.00 26	44.00 25	45.00 23	57.00 25	65.00 24	75.00 25	102.00 28	343.00 39
1959	106.00 41	109.00 41	122.00 41	141.00 42	148.00 42	188.00 42	295.00 42	302.00 40	504.00 41
1960	33.00 18	35.00 17	35.00 16	36.00 16	42.00 18	52.00 21	62.00 20	71.00 20	102.00 19
1961	36.00 21	38.00 22	40.00 22	43.00 21	44.00 20	49.00 18	54.00 17	58.00 14	71.00 9
1962	26.00 12	26.00 11	26.00 11	30.00 11	39.00 15	41.00 14	47.00 13	59.00 15	88.00 12
1963	48.00 29	49.00 27	53.00 28	57.00 31	59.00 28	74.00 32	79.00 26	77.00 21	93.00 17
1964	23.00 9	24.00 9	25.00 9	25.00 7	26.00 7	29.00 6	31.00 5	32.00 3	45.00 3
1965	18.00 3	18.00 2	19.00 2	21.00 3	22.00 2	24.00 3	27.00 2	32.00 4	62.00 5
1966	35.00 20	36.00 20	37.00 20	38.00 17	44.00 21	64.00 23	80.00 27	82.00 25	92.00 16
1967	24.00 10	25.00 10	26.00 10	29.00 10	34.00 13	40.00 12	46.00 12	54.00 12	90.00 14
1968	19.00 5	20.00 5	21.00 5	22.00 4	23.00 5	28.00 5	33.00 6	39.00 6	65.00 8
1969	55.00 36	58.00 37	60.00 34	61.00 34	62.00 30	68.00 27	94.00 31	178.00 37	246.00 34
1970	50.00 31	56.00 34	60.00 35	70.00 37	88.00 39	112.00 38	171.00 39	284.00 39	320.00 37
1971	40.00 25	41.00 23	42.00 23	46.00 24	50.00 23	57.00 22	67.00 21	78.00 22	91.00 15
1972	50.00 32	51.00 30	54.00 31	54.00 28	58.00 26	66.00 25	68.00 22	68.00 19	108.00 20
1973	58.00 38	58.00 38	60.00 36	65.00 35	70.00 35	80.00 33	101.00 33	118.00 31	202.00 31
1974	66.00 39	66.00 39	66.00 38	70.00 38	83.00 38	89.00 35	97.00 32	151.00 34	330.00 38
1975	55.00 37	57.00 35	66.00 39	78.00 39	80.00 37	135.00 39	156.00 37	154.00 35	294.00 36
1976	39.00 23	41.00 24	42.00 24	44.00 22	48.00 22	50.00 19	57.00 18	67.00 18	118.00 21
1977	27.00 13	28.00 13	30.00 12	33.00 14	36.00 14	41.00 13	53.00 16	62.00 17	62.00 6
1978	37.00 22	38.00 21	40.00 21	47.00 25	64.00 32	68.00 28	73.00 24	80.00 23	120.00 22
1979	85.00 40	86.00 40	89.00 40	93.00 40	117.00 40	143.00 40	208.00 40	317.00 41	436.00 40
1980	120.00 42	122.00 42	123.00 42	127.00 41	134.00 41	168.00 41	266.00 41	478.00 42	512.00 42
1981	53.00 34	54.00 33	57.00 33	60.00 33	64.00 33	67.00 26	83.00 29	83.00 26	141.00 26
1982	49.00 30	51.00 31	53.00 29	57.00 32	59.00 27	69.00 29	71.00 23	80.00 24	137.00 25
1983	25.00 11	27.00 12	30.00 13	31.00 12	33.00 10	35.00 9	43.00 11	48.00 7	94.00 18
1984	22.00 7	23.00 8	24.00 8	25.00 8	26.00 6	35.00 10	41.00 10	57.00 13	123.00 23
1985	40.00 24	41.00 25	45.00 26	48.00 26	51.00 24	74.00 30	91.00 30	110.00 29	182.00 30

## 03362500 SUGAR CREEK NEAR EDINBURGH, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	10600.00 10	8150.00 10	5650.00 5	3180.00 12	2130.00 13	1540.00 14	1210.00 17	961.00 25	659.00 29
1945	6310.00 26	4420.00 30	3250.00 27	2320.00 26	1760.00 24	1410.00 19	1110.00 23	1030.00 20	760.00 24
1946	4480.00 34	3970.00 33	3410.00 24	1990.00 28	1330.00 34	1030.00 33	1020.00 28	835.00 31	775.00 23
1947	9230.00 14	6580.00 18	4570.00 16	2720.00 20	1700.00 26	1500.00 16	1250.00 13	1010.00 21	914.00 16
1948	6170.00 27	4690.00 27	3800.00 23	2480.00 24	2190.00 10	1370.00 21	1120.00 21	981.00 23	728.00 26
1949	10200.00 12	8280.00 9	4720.00 15	3140.00 13	2860.00 3	2060.00 3	1740.00 3	1450.00 3	1070.00 6
1950	12700.00 6	9520.00 5	6280.00 2	5610.00 1	4140.00 1	3110.00 1	2410.00 1	2020.00 1	1520.00 1
1951	7680.00 20	5520.00 22	3380.00 25	2470.00 25	1540.00 28	1370.00 22	1240.00 14	1160.00 12	1050.00 7
1952	12500.00 7	8100.00 11	4310.00 18	3260.00 11	1990.00 17	1530.00 15	1430.00 7	1310.00 6	1090.00 5
1953	6900.00 23	4450.00 29	2530.00 35	1610.00 36	1160.00 37	797.00 37	791.00 35	674.00 36	577.00 36
1954	2190.00 41	1870.00 41	1280.00 42	1020.00 41	786.00 41	561.00 41	453.00 41	403.00 41	291.00 42
1955	2010.00 42	1770.00 42	1650.00 40	1180.00 40	977.00 39	778.00 38	645.00 39	593.00 39	493.00 39
1956	19200.00 1	11100.00 1	5930.00 4	2990.00 16	1740.00 25	1190.00 28	959.00 31	1090.00 16	861.00 19
1957	8960.00 15	6920.00 16	4870.00 14	3020.00 14	1830.00 20	1720.00 8	1460.00 6	1320.00 5	1020.00 10
1958	6900.00 24	6130.00 20	4050.00 22	3000.00 15	1800.00 22	1740.00 7	1330.00 10	1170.00 9	888.00 17
1959	10800.00 9	8850.00 8	5100.00 11	2780.00 17	2330.00 7	1600.00 12	1240.00 15	1100.00 15	868.00 18
1960	5470.00 30	4080.00 32	3020.00 31	1810.00 32	1190.00 36	778.00 39	681.00 38	611.00 38	568.00 37
1961	14600.00 2	10800.00 3	6140.00 3	4230.00 2	2960.00 2	2120.00 2	1930.00 2	1530.00 2	1050.00 8
1962	4980.00 32	3810.00 34	2330.00 36	1720.00 34	1590.00 27	1080.00 31	979.00 30	805.00 32	617.00 33
1963	13500.00 4	10700.00 4	5530.00 7	3310.00 8	2520.00 4	1560.00 13	1120.00 22	882.00 28	634.00 30
1964	10900.00 8	8900.00 7	5630.00 6	3260.00 9	2120.00 14	1920.00 5	1360.00 8	1040.00 19	729.00 25
1965	6760.00 25	5240.00 24	3040.00 30	1730.00 33	1460.00 29	1080.00 32	1070.00 26	887.00 27	632.00 31
1966	2900.00 40	2250.00 40	1540.00 41	962.00 42	675.00 42	531.00 42	453.00 42	395.00 42	336.00 41
1967	8770.00 17	7730.00 13	5340.00 8	3260.00 10	2120.00 15	1280.00 26	1060.00 27	1010.00 22	930.00 15
1968	13900.00 3	11000.00 2	6740.00 1	3880.00 4	2290.00 8	1370.00 23	1170.00 19	1130.00 14	992.00 12
1969	12800.00 5	9230.00 6	4910.00 13	3440.00 6	2500.00 5	1640.00 11	1260.00 12	1050.00 18	844.00 21
1970	3990.00 36	3130.00 37	2290.00 37	1550.00 38	1080.00 38	822.00 36	824.00 34	744.00 34	668.00 28
1971	6110.00 28	5120.00 25	4180.00 21	2770.00 18	1940.00 18	1240.00 27	937.00 32	767.00 33	599.00 34
1972	4350.00 35	3370.00 36	2570.00 34	1970.00 29	1390.00 31	968.00 35	780.00 36	680.00 35	591.00 35
1973	5840.00 29	4720.00 26	2880.00 32	2140.00 27	1900.00 19	1460.00 17	1180.00 18	1070.00 17	1100.00 3
1974	5010.00 31	4610.00 28	3320.00 26	2500.00 23	1780.00 23	1330.00 24	1160.00 20	1140.00 13	1020.00 9
1975	10000.00 13	7400.00 14	4300.00 19	2570.00 21	2010.00 16	1700.00 9	1530.00 4	1370.00 4	1100.00 4
1976	3630.00 38	2890.00 38	2160.00 38	1590.00 37	1290.00 35	1100.00 29	997.00 29	871.00 29	625.00 32
1977	3130.00 39	2400.00 39	1940.00 39	1450.00 39	893.00 40	753.00 40	634.00 40	505.00 40	362.00 40
1978	8150.00 18	7140.00 15	4990.00 12	3620.00 5	2190.00 11	1390.00 20	1210.00 16	1170.00 10	940.00 14
1979	10300.00 11	7770.00 12	5230.00 9	4120.00 3	2380.00 6	1750.00 6	1280.00 11	1160.00 11	1130.00 2
1980	3960.00 37	3530.00 35	3150.00 28	1910.00 31	1400.00 30	1100.00 30	859.00 33	844.00 30	808.00 22
1981	7750.00 19	6560.00 19	5180.00 10	3320.00 7	2130.00 12	1430.00 18	1080.00 25	889.00 26	690.00 27
1982	7200.00 21	5680.00 21	4320.00 17	2760.00 19	2260.00 9	1940.00 4	1530.00 5	1300.00 7	968.00 13
1983	4580.00 33	4090.00 31	2810.00 33	1660.00 35	1380.00 32	979.00 34	744.00 37	640.00 37	567.00 38
1984	7100.00 22	5260.00 23	3150.00 29	1950.00 30	1360.00 33	1310.00 25	1100.00 24	967.00 24	845.00 20
1985	8880.00 16	6710.00 17	4200.00 20	2520.00 22	1810.00 21	1650.00 10	1340.00 9	1220.00 8	1000.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1944	362.00 12
1945	405.00 17
1946	576.00 26
1947	341.00 9
1948	593.00 29
1949	689.00 35
1950	734.00 39
1951	661.00 32
1952	617.00 30
1953	374.00 13
1954	225.00 2
1955	257.00 5
1956	521.00 24
1957	376.00 14
1958	698.00 36
1959	808.00 42
1960	361.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	350.00 35
1945	423.00 24
1946	482.00 23
1947	539.00 18
1948	422.00 25
1949	605.00 13
1950	849.00 1
1951	627.00 9
1952	644.00 7
1953	332.00 37
1954	160.00 42
1955	292.00 39
1956	662.00 5
1957	555.00 17
1958	688.00 4
1959	521.00 21
1960	365.00 31

## WABASH RIVER BASIN

03362500 SUGAR CREEK NEAR EDINBURGH, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	394.00	15
1962	585.00	27
1963	347.00	10
1964	288.00	6
1965	422.00	18
1966	291.00	7
1967	446.00	21
1968	422.00	19
1969	686.00	34
1970	540.00	25
1971	401.00	16
1972	246.00	4
1973	661.00	31
1974	668.00	33
1975	747.00	41
1976	447.00	22
1977	198.00	1
1978	436.00	20
1979	704.00	37
1980	742.00	40
1981	299.00	8
1982	720.00	38
1983	245.00	3
1984	492.00	23
1985	593.00	28

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	558.00	16
1962	387.00	28
1963	358.00	33
1964	383.00	30
1965	353.00	34
1966	203.00	41
1967	525.00	19
1968	605.00	14
1969	626.00	10
1970	404.00	26
1971	349.00	36
1972	363.00	32
1973	762.00	3
1974	630.00	8
1975	626.00	11
1976	386.00	29
1977	213.00	40
1978	660.00	6
1979	785.00	2
1980	561.00	15
1981	390.00	27
1982	525.00	20
1983	320.00	38
1984	506.00	22
1985	613.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1943	*	*	*	*	*	*	269.00	1698.0	520.00	164.00	97.40	72.10
1944	40.70	58.70	49.70	105.00	254.00	995.00	2060.0	442.00	119.00	34.70	33.10	29.50
1945	22.20	36.50	37.10	62.00	412.00	1593.0	1143.0	434.00	854.00	123.00	146.00	232.00
1946	448.00	248.00	558.00	697.00	798.00	1260.0	195.00	1030.0	317.00	116.00	76.30	31.50
1947	31.50	56.60	268.00	987.00	472.00	498.00	1213.0	828.00	1464.0	257.00	281.00	124.00
1948	67.90	85.80	92.90	701.00	579.00	1433.0	1167.0	359.00	132.00	336.00	69.30	44.40
1949	61.00	434.00	572.00	2782.0	1158.0	1163.0	313.00	197.00	223.00	149.00	126.00	89.80
1950	154.00	83.20	354.00	4000.0	2192.0	993.00	753.00	405.00	772.00	200.00	75.20	292.00
1951	103.00	818.00	912.00	1232.0	1500.0	949.00	885.00	408.00	280.00	400.00	66.80	37.80
1952	34.70	194.00	1343.0	1529.0	1123.0	1102.0	1192.0	266.00	645.00	187.00	51.10	73.30
1953	41.10	52.60	177.00	371.00	329.00	1119.0	433.00	771.00	148.00	406.00	82.50	26.10
1954	24.40	33.40	49.10	182.00	182.00	350.00	700.00	248.00	93.90	29.50	25.40	13.40
1955	46.80	40.20	104.00	430.00	431.00	931.00	544.00	264.00	325.00	210.00	53.90	133.00
1956	500.00	1720.0	328.00	122.00	1556.0	589.00	763.00	1372.0	480.00	453.00	79.80	52.00
1957	34.10	42.20	153.00	318.00	505.00	265.00	1825.0	1530.0	973.00	843.00	116.00	70.10
1958	67.90	252.00	1689.0	496.00	205.00	270.00	285.00	696.00	1608.0	1216.0	1046.0	371.00
1959	168.00	447.00	314.00	1478.0	1316.0	787.00	583.00	749.00	247.00	101.00	64.60	46.20
1960	80.70	177.00	336.00	484.00	1077.0	417.00	303.00	313.00	685.00	386.00	87.90	70.30
1961	45.30	55.80	63.80	112.00	305.00	2281.0	1524.0	1769.0	260.00	109.00	85.90	42.50
1962	40.40	88.90	228.00	932.00	682.00	1249.0	270.00	290.00	128.00	512.00	97.30	121.00
1963	88.10	89.60	59.70	118.00	93.30	2245.0	781.00	241.00	179.00	178.00	151.00	39.20
1964	27.50	37.10	30.40	60.70	74.80	1642.0	2076.0	300.00	95.80	188.00	43.90	25.90
1965	22.40	37.20	49.60	352.00	1031.0	912.00	1230.0	255.00	82.50	156.00	47.20	129.00
1966	79.10	75.20	103.00	478.00	589.00	302.00	221.00	339.00	85.50	96.50	43.40	42.60
1967	55.10	739.00	1716.0	385.00	568.00	1048.0	509.00	965.00	179.00	63.60	36.20	24.50
1968	40.40	59.20	944.00	530.00	1335.0	409.00	702.00	1971.0	620.00	142.00	441.00	83.40
1969	64.10	331.00	777.00	1703.0	1195.0	220.00	777.00	258.00	387.00	1503.0	222.00	101.00
1970	243.00	734.00	352.00	536.00	798.00	593.00	906.00	339.00	141.00	108.00	89.10	54.70
1971	74.80	108.00	226.00	336.00	1937.0	625.00	170.00	303.00	303.00	103.00	61.60	74.00
1972	72.10	66.00	554.00	427.00	235.00	573.00	1360.0	369.00	378.00	132.00	81.20	112.00
1973	153.00	1518.0	924.00	700.00	620.00	1606.0	1261.0	277.00	1080.0	688.00	243.00	94.00
1974	83.60	441.00	968.00	1453.0	631.00	800.00	974.00	829.00	865.00	175.00	107.00	231.00
1975	135.00	357.00	768.00	1240.0	1910.0	1462.0	889.00	323.00	302.00	115.00	54.90	50.00
1976	80.70	126.00	639.00	1040.0	1070.0	705.00	177.00	120.00	191.00	323.00	122.00	46.50
1977	65.50	88.50	58.10	36.50	441.00	720.00	498.00	339.00	84.10	103.00	68.30	67.10
1978	283.00	160.00	1277.0	221.00	155.00	1920.0	633.00	926.00	747.00	594.00	661.00	262.00
1979	165.00	292.00	635.00	851.00	1108.0	1588.0	1080.0	277.00	280.00	1564.0	1348.0	217.00
1980	144.00	972.00	897.00	467.00	403.00	1220.0	786.00	413.00	482.00	138.00	692.00	113.00
1981	68.70	73.90	112.00	77.50	445.00	215.00	526.00	2011.0	595.00	271.00	178.00	99.00
1982	71.30	74.50	271.00	1090.0	2028.0	1499.0	502.00	244.00	396.00	127.00	63.30	39.40
1983	34.60	68.90	572.00	286.00	355.00	261.00	904.00	1018.0	162.00	107.00	48.50	27.10
1984	85.90	538.00	870.00	216.00	708.00	1227.0	1338.0	563.00	202.00	168.00	103.00	68.60
1985	100.00	517.00	1034.0	637.00	1356.0	1097.0	1223.0	648.00	373.00	107.00	245.00	78.10

03362500 SUGAR CREEK NEAR EDINBURGH, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
40.60	59.10	104.00	220.00	391.00	554.00
FIFTIETH PERCENTILE					
70.00	98.80	344.00	481.00	626.00	971.00
SEVENTY FIFTH PERCENTILE					
111.00	436.00	877.00	1000.00	1167.00	1303.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
498.00	277.00	162.00	109.00	61.60	42.50
FIFTIETH PERCENTILE					
777.00	405.00	303.00	168.00	85.90	70.30
SEVENTY FIFTH PERCENTILE					
1192.00	829.00	620.00	386.00	151.00	113.00

## 03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN

LOCATION.--Lat 39°20'21", long 85°59'11", in NW¼SW¼ sec.4, T.10 N., R.5 E., Bartholomew County, Hydrologic Unit 05120204, on left bank at downstream side of highway bridge, 0.8 mi downstream from confluence of Big Blue River and Sugar Creek, 1.5 mi southwest of Edinburgh, and at mile 14.1.

DRAINAGE AREA.--1,060 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1940 to September 1985. Prior to July 1941 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".

GAGE.--Water-stage recorder. Datum of gage is 636.99 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 7, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 1,151 ft<sup>3</sup>/s, 14.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,500 ft<sup>3</sup>/s Mar. 6, 1963, gage height, 16.97 ft; minimum daily, 38 ft<sup>3</sup>/s Sept. 23, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 20.3 ft.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1942		2	1	1	11	10	5	27	56	38	26	21	17	24	26	16	20	16	9	6	8	4	4	6	3	4	2	2									
1943							30	36	16	13	16	13	45	30	36	17	25	13	17	15	8	10	7	4	2	2	4	1	2	3							
1944					5	48	77	76	23	13	9	6	2	9	11	11	18	13	9	10	4	5	4	3	2	1	2	2		1	1				1		
1945					1	66	55	14	20	12	15	16	19	12	19	18	18	14	12	10	9	8	4	6	6	4	3	3	1								
1946							18	10	12	16	16	38	30	36	29	22	23	18	19	21	16	11	9	6	10	4	1										
1947						11	19	25	10	4	23	23	41	20	24	14	28	18	22	25	16	11	8	6	6	5	2	2		1				1			
1948							20	12	23	75	61	25	17	12	15	12	18	7	10	13	7	9	5	10	3	5	4	2		1							
1949							14	12	26	21	24	25	28	23	27	18	23	19	17	18	23	12	7	6	5	2	3	6	1	2	2				1		
1950								2	15	44	40	14	12	7	18	19	31	17	27	22	31	15	9	10	3	4	6	6	2	6	2	3					
1951								8	22	14	5	37	16	18	13	28	24	31	16	17	25	18	23	16	11	9	4	4	4		1	1					
1952						3	44	35	17	9	16	15	15	14	21	10	21	14	25	21	22	17	15	4	11	7	3	4		1			2				
1953						3	29	41	19	12	13	26	21	27	32	39	27	24	11	10	8	8	3	4	5	1		1	1								
1954						4	14	18	27	59	57	25	9	9	21	30	19	15	10	8	13	6	6	4	6	1	2	1									
1955						7	2	8	17	55	30	5	19	18	19	32	16	20	21	23	13	19	15	8	6	7	5										
1956						3	10	13	12	17	16	26	31	25	28	30	27	18	17	18	22	12	12	12	3	3	4	3				1	1	1	1		
1957						19	28	13	15	44	28	14	28	20	25	13	21	10	14	21	15	6	8	3	5	3	6	2	2	2							
1958							10	7	15	8	14	46	35	31	34	30	18	25	17	13	13	9	12	7	4	9	4	3	1								
1959							14	15	16	18	17	32	37	22	18	19	27	25	25	27	18	11	5	6	3	5	2		1	1	1						
1960							3	9	32	24	26	26	35	51	29	25	30	15	14	10	13	7	2	6	2	3	4										
1961							9	50	73	36	17	19	16	9	18	18	12	9	12	8	11	6	7	10	9	4	1	5	3		1	2					
1962								20	39	39	35	21	38	36	24	24	21	9	15	9	8	5	4	7	4	2	2	3									
1963							19	7	10	70	81	38	18	14	17	20	19	8	4	5	8	7	4	4	1	4	2	2			1	1			1		
1964							3	90	52	22	36	19	26	12	13	6	5	15	14	8	6	5	7	3	6	6	2	2		2	1		3	2			
1965							6	41	25	38	36	10	23	16	25	21	16	18	13	17	15	7	8	5	10	8	1	3	1	2							
1966							1	27	17	18	20	49	62	34	34	18	33	17	11	2	5	5	4	2	1	2	3										
1967							30	32	26	19	9	8	6	15	15	25	25	29	16	26	25	10	16	7	11	4	3	3	2		2	1					
1968							5	10	9	26	25	21	19	42	20	21	30	33	17	17	19	10	9	11	5	5	1	1	4	2	2			1	1		
1969									31	20	23	16	18	39	56	33	34	9	13	14	15	10	4	9	5	4	3	4	1	2	1	1					
1970								16	20	19	22	36	28	37	27	20	36	27	16	14	11	10	5	7	4	3	5	2									
1971							2	24	14	30	51	41	28	26	21	29	18	16	9	15	14	9	1	3	1	3	4	1	4	1							
1972							5	55	38	18	15	19	22	40	33	38	21	12	11	7	7	11	3	2	5	3	1										
1973								2	35	17	10	10	24	24	31	28	16	36	27	27	17	20	14	13	6	6	2										
1974									11	45	29	25	16	19	24	32	35	19	28	22	9	10	11	8	8	7	6		1								
1975								13	27	24	8	34	13	7	8	19	24	37	22	27	22	18	20	13	7	7	11	1	1		1	1					
1976							4	28	16	13	44	31	35	36	17	21	26	20	12	16	11	8	5	9	6	4	3	1									
1977							6	46	68	37	27	37	25	16	8	19	19	8	15	3	5	6	6	5	4	2	3										
1978									9	23	35	34	32	30	35	28	25	27	22	15	6	9	10	10	7	1	4	1	2								
1979									4	26	11	20	34	38	25	51	23	28	26	16	15	8	8	9	6	5	4	4	3	1							
1980										8	25	31	39	42	37	43	20	27	24	15	15	14	8	6	5	7											
1981								1	28	95	40	25	26	22	22	17	19	14	11	12	9	6	6	2	2	2	2	2	1	1							
1982								20	12	31	56	30	12	22	20	17	25	15	13	15	13	22	6	6	4	6	10	4	3	1	2						
1983								25	37	43	16	13	12	31	37	35	34	16	17	6	10	6	5	8	2	4	1	2									
1984								7	10	18	26	13	23	18	39	16	26	24	21	30	19	20	14	13	9	8	2	8		1	1						
1985									8	12	17	30	18	37	29	26	33	40	19	20	17	13	8	12	4	8	3	4	2	1	4						



## 03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	16071	100.00	12	350.0	904	10423	64.86	24	3900.0	271	954	5.94
1	38.0	0	16071	100.00	13	420.0	1122	9519	59.23	25	4700.0	211	683	4.25
2	46.0	6	16071	100.00	14	520.0	999	8397	52.25	26	5800.0	163	472	2.94
3	57.0	22	16065	99.96	15	630.0	1096	7398	46.03	27	7100.0	110	309	1.92
4	69.0	21	16043	99.83	16	780.0	982	6302	39.21	28	8700.0	91	199	1.24
5	85.0	71	16022	99.70	17	950.0	1059	5320	33.10	29	11000.0	31	108	0.67
6	100.0	561	15951	99.25	18	1200.0	631	4261	26.51	30	13000.0	39	77	0.48
7	130.0	871	15390	95.76	19	1400.0	737	3630	22.59	31	16000.0	17	38	0.24
8	160.0	849	14519	90.34	20	1700.0	666	2893	18.00	32	19000.0	15	21	0.13
9	190.0	967	13670	85.06	21	2100.0	548	2227	13.86	33	24000.0	4	6	0.04
10	230.0	1164	12703	79.04	22	2600.0	392	1679	10.45	34	29000.0	2	2	0.01
11	280.0	1116	11539	71.80	23	3200.0	333	1287	8.01					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	134.0
P90 =	162.0
P75 =	258.0
P70 =	298.0
P50 =	560.0
P25 =	1280.0
P10 =	2710.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1943	142.00 24	143.00 24	145.00 23	147.00 21	151.00 18	167.00 16	224.00 24	259.00 25	393.00 24
1944	126.00 15	128.00 15	131.00 14	134.00 14	147.00 15	169.00 17	170.00 13	179.00 11	185.00 6
1945	93.00 5	94.00 5	99.00 5	105.00 6	111.00 7	114.00 5	123.00 5	125.00 3	129.00 2
1946	163.00 29	169.00 29	174.00 29	185.00 29	204.00 29	349.00 38	381.00 37	676.00 39	689.00 34
1947	119.00 12	120.00 12	123.00 12	126.00 13	134.00 12	146.00 11	158.00 11	184.00 12	299.00 16
1948	211.00 37	216.00 38	223.00 37	235.00 37	249.00 37	260.00 35	268.00 31	291.00 28	505.00 30
1949	130.00 18	133.00 18	137.00 18	139.00 15	145.00 14	162.00 15	186.00 16	313.00 30	413.00 27
1950	171.00 30	175.00 31	192.00 31	205.00 32	229.00 35	291.00 36	311.00 36	360.00 33	408.00 26
1951	200.00 36	207.00 36	228.00 38	255.00 38	272.00 38	328.00 37	523.00 41	509.00 37	818.00 38
1952	134.00 19	141.00 23	143.00 22	147.00 22	152.00 19	160.00 13	177.00 15	229.00 19	450.00 29
1953	126.00 16	129.00 16	135.00 16	145.00 18	148.00 16	161.00 14	172.00 14	176.00 10	258.00 10
1954	85.00 2	86.00 2	89.00 2	96.00 2	101.00 3	107.00 3	114.00 3	127.00 4	159.00 4
1955	53.00 1	55.00 1	58.00 1	61.00 1	63.00 1	80.00 1	85.00 1	108.00 1	124.00 1
1956	88.00 3	92.00 4	95.00 3	100.00 3	115.00 8	180.00 21	302.00 35	424.00 35	628.00 33
1957	120.00 13	121.00 13	123.00 13	125.00 12	129.00 11	137.00 9	152.00 8	170.00 9	240.00 9
1958	172.00 31	174.00 30	178.00 30	185.00 30	215.00 32	234.00 29	255.00 27	322.00 31	844.00 40
1959	355.00 42	370.00 42	394.00 43	431.00 43	446.00 43	573.00 43	639.00 42	821.00 42	1230.00 42
1960	137.00 21	138.00 20	142.00 21	148.00 23	157.00 21	186.00 22	216.00 22	243.00 22	325.00 19
1961	155.00 28	156.00 28	158.00 26	162.00 26	168.00 24	178.00 20	197.00 18	199.00 15	229.00 8
1962	152.00 26	153.00 26	160.00 27	171.00 27	193.00 28	198.00 24	208.00 21	235.00 20	347.00 21
1963	180.00 32	181.00 32	193.00 32	210.00 33	214.00 31	242.00 30	253.00 25	248.00 23	277.00 14
1964	100.00 10	100.00 8	100.00 6	100.00 4	101.00 2	109.00 4	120.00 4	121.00 2	152.00 3
1965	98.00 7	98.00 7	98.00 4	100.00 5	102.00 4	105.00 2	114.00 2	130.00 5	205.00 7
1966	128.00 17	131.00 17	138.00 19	145.00 19	151.00 17	216.00 27	261.00 29	298.00 29	310.00 17
1967	98.00 8	101.00 9	103.00 9	113.00 10	122.00 10	139.00 10	156.00 10	169.00 7	260.00 11
1968	100.00 9	101.00 10	105.00 11	108.00 8	111.00 5	127.00 7	146.00 7	169.00 8	263.00 13
1969	198.00 35	199.00 33	201.00 33	202.00 31	209.00 30	229.00 28	291.00 34	537.00 38	720.00 35
1970	243.00 40	253.00 40	272.00 40	290.00 41	352.00 41	395.00 40	451.00 39	755.00 40	749.00 36
1971	138.00 23	139.00 21	142.00 20	146.00 20	156.00 20	172.00 19	197.00 19	224.00 18	261.00 12
1972	125.00 14	128.00 14	134.00 15	139.00 16	160.00 22	195.00 23	203.00 20	207.00 16	319.00 18
1973	148.00 25	149.00 25	155.00 25	161.00 25	171.00 25	208.00 26	261.00 30	284.00 27	508.00 31
1974	212.00 38	212.00 37	215.00 36	224.00 36	243.00 36	254.00 34	274.00 32	417.00 34	827.00 39
1975	242.00 39	248.00 39	253.00 39	266.00 39	284.00 39	418.00 41	440.00 38	431.00 36	762.00 37
1976	137.00 22	140.00 22	146.00 24	154.00 24	165.00 23	170.00 18	187.00 17	216.00 17	337.00 20
1977	95.00 6	96.00 6	102.00 7	111.00 9	117.00 9	124.00 6	138.00 6	151.00 6	162.00 5
1978	88.00 4	91.00 3	102.00 8	124.00 11	179.00 26	204.00 25	217.00 23	241.00 21	374.00 23
1979	255.00 41	267.00 41	277.00 41	287.00 40	344.00 40	381.00 39	516.00 40	784.00 41	1000.00 41
1980	379.00 43	382.00 43	389.00 42	405.00 42	433.00 42	538.00 42	807.00 43	1280.00 43	1330.00 43
1981	180.00 33	200.00 34	212.00 34	215.00 34	227.00 34	248.00 32	257.00 28	258.00 24	403.00 25
1982	194.00 34	202.00 35	213.00 35	216.00 35	223.00 33	249.00 33	254.00 26	274.00 26	423.00 28
1983	134.00 20	135.00 19	136.00 17	139.00 17	143.00 13	151.00 12	166.00 12	186.00 13	290.00 15
1984	101.00 11	101.00 11	104.00 10	106.00 7	111.00 6	133.00 8	153.00 9	195.00 14	356.00 22
1985	153.00 27	156.00 27	167.00 28	173.00 28	185.00 27	242.00 31	285.00 33	356.00 32	521.00 32

## 03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1942	8820.00 34	7230.00 36	4880.00 38	3660.00 36	2420.00 39	2280.00 34	2090.00 35	1750.00 36	1430.00 36
1943	14200.00 21	12100.00 20	9270.00 18	6250.00 16	4030.00 23	2610.00 29	2630.00 20	2270.00 24	1890.00 23
1944	24100.00 5	19300.00 7	12900.00 2	7320.00 10	4810.00 13	3450.00 14	2670.00 19	2150.00 26	1480.00 32
1945	12000.00 26	9450.00 27	6950.00 26	4290.00 29	3730.00 26	2950.00 22	2420.00 26	2310.00 22	1720.00 27
1946	7250.00 39	6270.00 39	5200.00 35	3460.00 38	2750.00 37	2260.00 35	2230.00 31	1900.00 33	1780.00 24
1947	19000.00 12	14600.00 13	9800.00 15	6150.00 18	4010.00 24	3450.00 15	2870.00 13	2400.00 18	2080.00 17
1948	13000.00 24	9590.00 26	7560.00 25	5490.00 25	4990.00 10	3230.00 19	2680.00 18	2270.00 23	1730.00 25
1949	28500.00 3	20500.00 3	11600.00 6	7510.00 7	6660.00 2	4850.00 2	4160.00 3	3520.00 2	2620.00 4
1950	22500.00 9	18800.00 8	12600.00 3	11600.00 1	8620.00 1	6730.00 1	5350.00 1	4560.00 1	3480.00 1
1951	16700.00 14	13500.00 16	8430.00 23	6180.00 17	4000.00 25	3390.00 17	3060.00 10	2920.00 7	2680.00 3
1952	23500.00 6	19500.00 5	11600.00 7	8480.00 2	5220.00 6	3940.00 7	3600.00 4	3320.00 4	2760.00 2
1953	10600.00 31	8030.00 32	4910.00 37	3160.00 40	2340.00 41	1630.00 42	1590.00 41	1400.00 40	1220.00 41
1954	5860.00 41	4770.00 41	3230.00 44	2400.00 43	1860.00 43	1310.00 43	1040.00 44	942.00 44	704.00 44
1955	4420.00 44	3940.00 44	3630.00 41	2800.00 42	2380.00 40	1930.00 39	1640.00 39	1480.00 39	1230.00 40
1956	29000.00 2	19900.00 4	11100.00 8	6670.00 13	4090.00 21	2830.00 26	2370.00 27	2500.00 15	2050.00 19
1957	14700.00 20	11800.00 22	8480.00 22	5530.00 23	3650.00 27	3400.00 16	3100.00 9	2760.00 9	2150.00 14
1958	13300.00 23	11600.00 23	8410.00 24	6110.00 19	4230.00 19	4120.00 6	3220.00 7	2840.00 8	2160.00 13
1959	21200.00 11	17400.00 10	10100.00 12	5870.00 21	5110.00 8	3660.00 10	2900.00 12	2560.00 13	2080.00 18
1960	10700.00 30	8220.00 30	6180.00 31	4020.00 31	2760.00 36	1920.00 40	1700.00 38	1530.00 37	1480.00 33
1961	23300.00 7	17500.00 9	11000.00 9	8100.00 5	6110.00 3	4540.00 3	4210.00 2	3430.00 3	2430.00 8
1962	9420.00 33	8230.00 29	5120.00 36	3800.00 35	3590.00 28	2510.00 31	2330.00 30	1960.00 31	1480.00 34
1963	34500.00 1	23700.00 1	12600.00 4	7510.00 8	5540.00 4	3480.00 13	2560.00 22	2020.00 29	1440.00 35
1964	21300.00 10	19400.00 6	12500.00 5	7670.00 6	4910.00 11	4300.00 5	3130.00 8	2430.00 17	1730.00 26
1965	12900.00 25	10500.00 24	6570.00 28	3870.00 32	3190.00 31	2470.00 32	2480.00 24	2080.00 27	1510.00 30
1966	5290.00 43	4700.00 42	3300.00 43	2130.00 44	1500.00 44	1250.00 44	1080.00 43	953.00 43	825.00 43
1967	17700.00 13	15700.00 12	10900.00 10	6750.00 12	4590.00 15	2790.00 27	2370.00 28	2390.00 19	2320.00 10
1968	26700.00 4	20700.00 2	14000.00 1	8250.00 3	4860.00 12	2920.00 23	2520.00 23	2370.00 20	2130.00 15
1969	23200.00 8	15800.00 11	9870.00 13	7100.00 11	5400.00 5	3570.00 12	2780.00 16	2370.00 21	1930.00 22
1970	7870.00 37	6830.00 37	5630.00 32	3810.00 34	2490.00 38	2020.00 38	2000.00 36	1780.00 35	1550.00 29
1971	11300.00 27	10000.00 25	8580.00 21	5960.00 20	4370.00 18	2890.00 24	2210.00 32	1820.00 34	1480.00 31
1972	7460.00 38	6390.00 38	4670.00 39	3820.00 33	2830.00 35	2030.00 37	1720.00 37	1510.00 38	1350.00 38
1973	9460.00 32	8120.00 31	5620.00 33	4710.00 27	4130.00 20	3310.00 18	2690.00 17	2540.00 14	2490.00 7
1974	11200.00 28	7830.00 33	6530.00 29	5260.00 26	3420.00 29	2790.00 28	2600.00 21	2480.00 16	2210.00 12
1975	16000.00 16	14000.00 14	8760.00 20	5510.00 24	4490.00 16	3850.00 8	3430.00 6	3120.00 5	2570.00 6
1976	7200.00 40	5610.00 40	4500.00 40	3460.00 39	2900.00 34	2440.00 33	2190.00 33	1920.00 32	1420.00 37
1977	5650.00 42	4340.00 43	3590.00 42	2950.00 41	1870.00 42	1670.00 41	1470.00 42	1200.00 42	880.00 42
1978	14800.00 18	13200.00 18	9850.00 14	7480.00 9	4720.00 14	3150.00 20	2790.00 15	2590.00 12	2110.00 16
1979	16500.00 15	13300.00 17	10600.00 11	8110.00 4	5020.00 9	3780.00 9	2860.00 14	2620.00 11	2600.00 5
1980	7970.00 36	7460.00 35	6930.00 27	4420.00 28	3220.00 30	2560.00 30	2090.00 34	2030.00 28	1980.00 20
1981	14000.00 22	12000.00 21	9740.00 16	6580.00 14	4430.00 17	3030.00 21	2360.00 29	1970.00 30	1560.00 28
1982	14700.00 19	12100.00 19	9500.00 17	6320.00 15	5140.00 7	4400.00 4	3560.00 5	3030.00 6	2330.00 9
1983	8430.00 35	7540.00 34	5430.00 34	3500.00 37	2940.00 33	2110.00 36	1620.00 40	1390.00 41	1250.00 39
1984	11100.00 29	9350.00 28	6390.00 30	4170.00 30	3030.00 32	2860.00 25	2450.00 25	2170.00 25	1940.00 21
1985	15400.00 17	13900.00 15	9140.00 19	5620.00 22	4030.00 22	3610.00 11	2990.00 11	2710.00 10	2270.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1943	981.00 17
1944	871.00 12
1945	909.00 14
1946	1390.00 28
1947	830.00 9
1948	1420.00 29
1949	1710.00 38
1950	1740.00 41
1951	1730.00 39
1952	1610.00 35
1953	851.00 10
1954	510.00 2
1955	660.00 5
1956	1300.00 26
1957	874.00 13
1958	1550.00 33
1959	1960.00 43
1960	939.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1942	849.00 35
1943	1150.00 24
1944	814.00 38
1945	985.00 27
1946	1180.00 23
1947	1300.00 19
1948	1020.00 25
1949	1530.00 9
1950	2040.00 1
1951	1630.00 5
1952	1580.00 7
1953	746.00 39
1954	411.00 44
1955	742.00 41
1956	1590.00 6
1957	1220.00 21
1958	1660.00 4
1959	1290.00 20

03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	1000.00	18
1962	1430.00	30
1963	814.00	8
1964	666.00	6
1965	1040.00	19
1966	766.00	7
1967	1070.00	21
1968	1060.00	20
1969	1600.00	34
1970	1260.00	25
1971	977.00	16
1972	640.00	3
1973	1480.00	31
1974	1530.00	32
1975	1730.00	40
1976	1090.00	23
1977	469.00	1
1978	1080.00	22
1979	1630.00	36
1980	1810.00	42
1981	857.00	11
1982	1670.00	37
1983	649.00	4
1984	1160.00	24
1985	1380.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	986.00	26
1961	1330.00	17
1962	942.00	29
1963	845.00	36
1964	937.00	30
1965	874.00	34
1966	536.00	42
1967	1340.00	16
1968	1390.00	14
1969	1450.00	12
1970	961.00	28
1971	884.00	33
1972	845.00	37
1973	1780.00	3
1974	1390.00	15
1975	1510.00	10
1976	900.00	32
1977	523.00	43
1978	1550.00	8
1979	1850.00	2
1980	1490.00	11
1981	921.00	31
1982	1310.00	18
1983	746.00	40
1984	1200.00	22
1985	1440.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1941	*	*	*	*	*	*	*	*	*	*	61.00	49.30
1942	107.00	275.00	298.00	262.00	2219.0	2221.0	1811.0	760.00	1397.0	283.00	398.00	299.00
1943	152.00	741.00	891.00	764.00	1340.0	2982.0	776.00	3635.0	1468.0	557.00	298.00	227.00
1944	147.00	203.00	162.00	206.00	537.00	2194.0	4646.0	962.00	353.00	149.00	127.00	129.00
1945	112.00	138.00	135.00	151.00	802.00	3251.0	2558.0	1149.0	2094.0	427.00	429.00	602.00
1946	1272.0	761.00	1326.0	1659.0	1881.0	2599.0	617.00	2167.0	1002.0	461.00	274.00	158.00
1947	140.00	188.00	641.00	1963.0	1221.0	1121.0	2621.0	2119.0	3421.0	1080.0	768.00	366.00
1948	255.00	266.00	282.00	1446.0	1324.0	3103.0	3108.0	1036.0	386.00	712.00	226.00	157.00
1949	188.00	1126.0	1354.0	6488.0	2913.0	2902.0	977.00	563.00	855.00	437.00	299.00	330.00
1950	527.00	290.00	866.00	8315.0	5062.0	2537.0	2131.0	1243.0	1748.0	754.00	274.00	915.00
1951	381.00	2046.0	2438.0	2960.0	3789.0	2330.0	2474.0	1159.0	726.00	976.00	261.00	170.00
1952	154.00	466.00	3130.0	4119.0	2916.0	2761.0	2823.0	779.00	1054.0	386.00	169.00	210.00
1953	148.00	204.00	523.00	867.00	803.00	2272.0	845.00	1557.0	482.00	861.00	245.00	108.00
1954	106.00	136.00	171.00	472.00	415.00	702.00	1756.0	614.00	291.00	117.00	99.70	68.80
1955	152.00	146.00	272.00	1046.0	1089.0	2293.0	1438.0	690.00	767.00	513.00	197.00	324.00
1956	1311.0	4035.0	912.00	384.00	3588.0	1647.0	1921.0	2613.0	1421.0	1012.0	247.00	163.00
1957	132.00	166.00	408.00	669.00	1162.0	611.00	3563.0	3064.0	2376.0	1910.0	355.00	242.00
1958	239.00	572.00	3448.0	1409.0	613.00	731.00	867.00	2011.0	3731.0	2986.0	2372.0	776.00
1959	510.00	1121.0	864.00	3172.0	3229.0	1987.0	1408.0	1795.0	834.00	332.00	242.00	171.00
1960	252.00	522.00	880.00	1329.0	2520.0	1054.0	873.00	866.00	1728.0	1319.0	337.00	229.00
1961	169.00	206.00	218.00	288.00	719.00	5011.0	3563.0	3672.0	964.00	480.00	347.00	199.00
1962	198.00	270.00	731.00	2212.0	1560.0	3008.0	778.00	607.00	332.00	1006.0	274.00	322.00
1963	259.00	282.00	221.00	321.00	289.00	4982.0	1758.0	744.00	413.00	361.00	303.00	126.00
1964	104.00	137.00	125.00	194.00	227.00	3468.0	4785.0	996.00	325.00	605.00	177.00	112.00
1965	102.00	141.00	199.00	811.00	2383.0	2001.0	2927.0	810.00	312.00	407.00	167.00	378.00
1966	378.00	283.00	352.00	1173.0	1350.0	739.00	560.00	801.00	306.00	248.00	147.00	150.00
1967	171.00	1483.0	3840.0	981.00	1497.0	2668.0	1543.0	2687.0	665.00	285.00	158.00	112.00
1968	170.00	241.00	2043.0	1087.0	2777.0	951.00	1584.0	4125.0	1506.0	603.00	1353.0	274.00
1969	217.00	789.00	1722.0	3471.0	3002.0	640.00	1827.0	729.00	960.00	3073.0	688.00	378.00
1970	543.00	1543.0	814.00	1054.0	1978.0	1572.0	2056.0	900.00	484.00	298.00	240.00	166.00
1971	215.00	303.00	556.00	846.00	4281.0	1668.0	493.00	923.00	875.00	324.00	178.00	228.00
1972	227.00	200.00	1260.0	1047.0	593.00	1305.0	2748.0	1043.0	886.00	385.00	218.00	233.00
1973	330.00	3095.0	2199.0	1683.0	1498.0	3503.0	2966.0	796.00	2636.0	1780.0	687.00	270.00
1974	244.00	828.00	1714.0	3148.0	1560.0	1750.0	2360.0	1707.0	1906.0	545.00	341.00	619.00
1975	355.00	902.00	1828.0	2715.0	4189.0	3455.0	2178.0	1154.0	872.00	325.00	188.00	170.00
1976	243.00	349.00	1317.0	2316.0	2424.0	1575.0	525.00	359.00	478.00	799.00	292.00	150.00
1977	175.00	187.00	138.00	119.00	928.00	1502.0	1384.0	910.00	283.00	283.00	225.00	179.00
1978	907.00	478.00	2938.0	723.00	427.00	4053.0	1719.0	2219.0	1518.0	1222.0	1504.0	747.00
1979	429.00	640.00	1604.0	2098.0	2331.0	3531.0	2490.0	881.00	799.00	3180.0	3485.0	716.00
1980	432.00	2377.0	2266.0	1258.0	1028.0	2782.0	1979.0	1195.0	1493.0	863.00	1775.0	399.00
1981	265.00	251.00	291.00	231.00	1036.0	550.00	1215.0	3893.0	1689.0	841.00	475.00	320.00
1982	249.00	272.00	598.00	2247.0	4878.0	3540.0	1408.0	779.00	1170.0	402.00	242.00	159.00
1983	154.00	207.00	1236.0	703.00	784.00	563.00	1981.0	2185.0	467.00	376.00	176.00	116.00
1984	254.00	1366.0	2115.0	567.00	1656.0	2646.0	2948.0	1345.0	562.00	500.00	296.00	225.00
1985	411.00	1233.0	2182.0	1611.0	2933.0	2408.0	2827.0	1656.0	924.00	386.00	568.00	229.00

## WABASH RIVER BASIN

03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
153.00	205.00	293.00	593.00	834.00	1354.00
FIFTIETH PERCENTILE					
233.00	297.00	873.00	1071.00	1529.00	2283.00
SEVENTY FIFTH PERCENTILE					
372.00	884.00	1802.00	2184.00	2879.00	3002.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1257.00	797.00	479.00	365.00	193.00	158.00
FIFTIETH PERCENTILE					
1874.00	1096.00	881.00	507.00	274.00	227.00
SEVENTY FIFTH PERCENTILE					
2716.00	2092.00	1503.00	948.00	414.00	327.00

## 03363500 FLATROCK RIVER AT ST. PAUL, IN

LOCATION.--Lat 39°25'03", long 85°38'03", in SE¼NE¼ sec.9, T.11 N., R.8 E., Shelby County, Hydrologic Unit 05120205, on right bank 500 ft downstream from highway bridge, 0.8 mi southwest of St. Paul, 1.5 mi downstream from Mill Creek, and at mile 34.4.

DRAINAGE AREA.--303 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1930 to September 1985. Prior to October 1958, published as Flatrock Creek at St. Paul.

GAGE.--Water-stage recorder. Datum of gage is 764.84 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 21, 1938, nonrecording gage at site 500 ft upstream at same datum.

AVERAGE DISCHARGE.--55 years, 320 ft<sup>3</sup>/s, 14.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,500 ft<sup>3</sup>/s Jan. 5, 1949, gage height, 10.60 ft; maximum recorded gage height, 12.37 ft May 24, 1968; minimum daily discharge, 0.6 ft<sup>3</sup>/s Aug. 7, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of approximately 20.5 ft, from information by local residents.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1931	3	1	2	2	3	5	6		3	9	12	10	45	60	60	35	24	25	19	11	10	6	4	7	1	2											
1932									6	3	9	10	16	36	31	26	15	24	21	36	28	19	32	13	15	11	6	4	3	2							
1933										3	11	10	9	20	24	11	8	9	8	23	36	45	40	32	32	15	9	7	5	3	3			2			
1934		2	5	7	11	12	15		13	9	8	16	6	17	52	61	23	18	23	26	15	5	7	2	5	2	2	3									
1935								1	3	10	15	35	21	71	24	24	27	34	15	24	15	15	10	7	5	4	2	3									
1936			3	4	9	5	7	13	13	9	16	11	25	18	16	11	25	14	35	29	27	28	22	6	8	2	6	1	3								
1937													14	11	27	12	17	28	18	57	40	30	31	25	11	8	8	8	5	6	3	2	1	3			
1938												2	10	14	13	6	13	32	41	36	27	21	28	38	28	16	8	13	3	9	4	3					
1939								1	10	7						16	25	28	17	21	27	39	34	21	12	16	9	7	3	1	1			1			
1940			1	2	2	2	16	12	20	22	15	39	48	16	9	18	17	25	25	15	15	14	10	7	6	4	3			1	1	1					
1941	3	4	7	9	11	25	14	10	8	11	21	27	39	80	58	8	12	6	4	2	2	1	1	2													
1942		1	1	1							2	8	13	29	17	31	46	47	44	27	31	22	8	10	9	5	8	4	1								
1943										1	12	39	27	11	9	13	21	32	47	46	28	24	18	13	7	7	2	3	2	1	1	1					
1944									8	24	22	36	51	55	41	3	9	7	6	13	15	19	23	12	8	5	1	3	2	1			2				
1945									12	19	11	49	48	9	17	12	10	18	9	18	22	24	19	19	14	9	8	4	10	1	3						
1946									8	17	6	9	9	7	10	10	35	36	41	36	34	27	32	23	12	8	4	1									
1947									15	2	3	23	19	7	11	14	44	21	35	21	25	31	28	24	17	5	5	9	2	2	2						
1948									2	19	10	13	21	34	53	35	43	8	16	20	21	15	17	11	6	5	9	4	2	2							
1949									9	9	5	20	22	18	23	18	31	13	16	21	39	23	29	26	14	7	6	4	4	4	2	1			1		
1950													5	15	35	30	31	16	20	35	40	33	34	17	14	7	11	6	5	5	2	2	2				
1951											13	22	10	4	8	8	21	28	14	16	48	41	22	29	22	19	16	8	9	3	3	1					
1952						2	6	13	34	20	22	19	13	13	12	19	18	13	16	31	23	34	20	13	13	4	1	3	2			1	1				
1953				16	3	7	12	20	17	17	8	19	18	14	20	17	19	26	46	26	21	17	9	6	4	3											
1954				3	18	24	10	13	35	23	46	20	16	25	8	30	32	10	10	14	11	9	5	1	1	1											
1955			1	6	14	8	4	2	3	19	25	23	21	13	5	12	38	19	27	27	33	26	16	11	9	3											
1956										12	9	11	10	12	7	4	19	50	39	40	19	31	30	24	18	12	8	3	4	2			1	1			
1957							1	3		3	12	17	14	25	21	16	21	17	19	37	36	28	19	28	14	8	8	3	6	5	3	1					
1958											9	6	1	13	7	10	15	29	59	43	42	31	30	19	17	11	12	5	4	1	1						
1959										2	5	7	15	16	14	12	12	45	18	38	30	40	39	27	14	8	2	2	3			2		1	1		
1960											1	15	12	22	20	21	23	44	51	36	41	31	14	12	11	4	3	3	1			1					
1961											13	16	20	48	40	28	28	24	13	17	14	16	21	9	11	12	16	7	4	4	1	2	1				
1962												4	31	31	30	30	25	28	18	26	40	28	28	16	10	3	7	8	1	1							
1963				1	5	4	4	5		1	10	2	18	62	89	22	17	11	13	21	20	14	14	11	7	2	6	2	1	1			1				
1964		11	1	7	4		2	11		8	37	37	27	14	20	35	18	25	15	7	6	14	14	15	5	7	5	9	4	2	3			1			
1965										18	10	18	13	35	35	30	22	18	25	9	21	19	22	21	12	12	13	6		4		2					
1966						6	7		4	20	19	10	16	28	29	47	48	28	24	33	18	10	8	3	2	4	1										
1967						7	19		7	18	18	25	11	14	8	11	19	17	23	39	29	29	22	14	9	12	8	3	1	1	1						
1968						1	4			1	5	11	16	35	16	10	40	27	36	28	30	28	18	8	9	6	4	4			1				1		
1969													25	14	10	11	17	26	62	51	34	35	23	22	9	9	6	4	3	3	1						
1970											5	20	19	23	21	40	47	37	18	36	30	24	14	12	5	6	6	1	1								
1971												11	22	14	17	16	54	60	21	37	27	27	20	11	12	3	3	7	1	2							
1972										2	17	12	15	24	34	25	13	18	20	34	45	37	22	16	12	6	11	3									
1973												3	17	8	22	14	12	16	11	15	40	36	41	36	31	28	20	10	3	1	1						
1974												3	13	19	14	17	13	13	19	32	51	56	31	24	16	20	9	12	1	1	1						
1975										4	8	21	17	22	12	7	5	27	23	27	42	28	25	33	18	21	7	14	1		1	1	1				

## 03363500 FLATROCK RIVER AT ST. PAUL, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976						1	7	7	18	13	8	9	27	37	41	27	29	24	30	26	16	15	11	8	5	4	2	1			
1977								3	15	73	47	24	17	26	23	21	21	24	24	14	5	10	7	2	4	4	1				
1978													4	5	28	59	40	47	39	35	29	26	14	9	17	6	1	2	3	1	
1979													13	16	7	10	36	52	49	66	34	19	15	9	16	10	5	4	2	2	
1980													8	5	7	35	25	43	70	39	30	33	19	22	11	10	7	2			
1981																															
1982											2	8	43	76	33	15	31	24	22	21	17	21	16	11	7	8	6	3	1		
1983											14	37	41	38	13	9	8	12	32	34	30	29	19	8	12	15	8	1	1	2	2
1984																															
1985																															
1986																															
1987																															
1988																															
1989																															
1990																															
1991																															
1992																															
1993																															
1994																															
1995																															
1996																															
1997																															
1998																															
1999																															
2000																															
2001																															
2002																															
2003																															
2004																															
2005																															
2006																															
2007																															
2008																															
2009																															
2010																															
2011																															
2012																															
2013																															
2014																															
2015																															
2016																															
2017																															
2018																															
2019																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030																															
2031																															
2032																															

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	20089	100.00	12	17.0	1014	17840	88.80	24	660.0	732	2333	11.61
1	0.60	17	20089	100.00	13	23.0	1215	16826	83.76	25	890.0	533	1601	7.97
2	0.81	8	20072	99.92	14	31.0	1353	15611	77.71	26	1200.0	393	1068	5.32
3	1.1	28	20064	99.88	15	43.0	1023	14258	70.97	27	1600.0	309	675	3.36
4	1.5	43	20036	99.74	16	58.0	1043	13235	65.88	28	2200.0	155	366	1.82
5	2.0	89	19993	99.52	17	78.0	1506	12192	60.69	29	3000.0	93	211	1.05
6	2.8	94	19904	99.08	18	110.0	1206	10686	53.19	30	4100.0	62	118	0.59
7	3.7	119	19810	98.61	19	140.0	1591	9480	47.19	31	5500.0	31	56	0.28
8	5.1	197	19691	98.02	20	190.0	1700	7889	39.27	32	7500.0	15	25	0.12
9	6.9	351	19494	97.04	21	260.0	1529	6189	30.81	33	10000.0	9	10	0.05
10	9.3	530	19143	95.29	22	360.0	1293	4660	23.20	34	14000.0	1	1	0.00
11	13.0	773	18613	92.65	23	490.0	1034	3367	16.76					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	9.7
P90 =	15.8
P75 =	35.8
P70 =	45.9
P50 =	126.0
P25 =	336.0
P10 =	762.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	0.60 1	0.77 1	1.00 3	4.50 9	11.00 19	20.00 26	30.00 28	37.00 27	46.00 15
1933	5.50 17	6.10 17	7.00 18	7.90 18	14.00 26	35.00 39	116.00 50	133.00 46	145.00 43
1934	7.30 23	7.60 21	9.40 23	11.00 24	15.00 27	24.00 31	59.00 41	63.00 39	80.00 25
1935	1.00 4	1.10 4	1.19 4	1.80 3	2.30 2	4.50 3	6.30 3	8.00 3	11.00 1
1936	23.00 46	23.00 46	25.00 46	27.00 45	28.00 42	41.00 43	58.00 40	87.00 42	133.00 40
1937	1.30 5	1.30 5	1.60 5	2.10 4	3.20 5	6.90 6	15.00 13	28.00 19	127.00 38
1938	17.00 43	18.00 44	23.00 44	27.00 46	36.00 47	52.00 45	79.00 45	93.00 43	154.00 44
1939	15.00 40	16.00 41	18.00 41	20.00 39	20.00 33	29.00 34	44.00 37	58.00 37	88.00 31
1940	6.60 20	7.10 20	7.80 19	8.70 20	9.50 17	14.00 17	17.00 16	19.00 12	49.00 18
1941	1.30 6	1.60 7	2.20 8	3.20 8	3.30 6	4.50 4	6.30 4	9.90 5	18.00 6
1942	0.70 2	0.80 2	0.89 2	1.70 2	3.90 7	5.90 5	12.00 11	22.00 14	47.00 16
1943	14.00 38	16.00 42	20.00 43	22.00 43	22.00 37	30.00 35	74.00 43	76.00 40	125.00 37
1944	11.00 27	12.00 32	13.00 30	13.00 29	17.00 29	20.00 27	22.00 23	24.00 17	31.00 9
1945	5.80 18	6.10 18	6.40 16	6.60 14	7.40 12	8.30 10	8.90 6	10.00 6	13.00 2
1946	13.00 36	14.00 36	15.00 34	16.00 31	20.00 34	52.00 46	84.00 46	193.00 51	218.00 50
1947	7.00 21	7.80 22	7.90 20	8.20 19	8.80 15	12.00 15	16.00 14	23.00 16	52.00 20
1948	28.00 49	28.00 49	29.00 49	32.00 48	39.00 48	44.00 44	53.00 39	60.00 38	143.00 42
1949	7.00 22	7.80 23	8.10 21	8.80 21	13.00 21	14.00 18	19.00 19	52.00 33	81.00 28
1950	11.00 28	11.00 28	13.00 31	17.00 35	29.00 43	85.00 51	91.00 47	100.00 45	115.00 36
1951	23.00 47	23.00 45	28.00 48	34.00 49	41.00 49	65.00 47	132.00 51	140.00 48	194.00 48
1952	11.00 29	11.00 29	11.00 26	12.00 25	13.00 22	14.00 19	17.00 15	29.00 20	104.00 34
1953	4.60 16	5.00 16	6.40 17	7.80 17	8.20 14	11.00 13	11.00 8	12.00 7	30.00 8
1954	2.00 9	2.10 9	2.20 9	2.20 6	2.40 3	3.20 1	4.70 1	7.30 2	14.00 3
1955	1.80 8	1.80 8	2.10 7	2.40 7	2.90 4	7.10 7	7.90 5	9.80 4	14.00 4
1956	1.40 7	1.50 6	1.80 6	2.10 5	4.50 8	19.00 24	64.00 42	95.00 44	137.00 41
1957	3.50 11	3.80 11	5.60 14	6.70 15	7.70 13	9.80 11	12.00 9	15.00 9	37.00 12
1958	14.00 37	15.00 37	16.00 35	17.00 36	22.00 38	32.00 36	38.00 33	57.00 35	206.00 49
1959	67.00 53	68.00 53	76.00 53	93.00 54	97.00 53	134.00 53	176.00 52	195.00 52	323.00 53
1960	6.30 19	6.90 19	8.30 22	9.60 22	13.00 23	18.00 22	24.00 24	33.00 24	50.00 19

## 03363500 FLATROCK RIVER AT ST. PAUL, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	11.00 30	11.00 30	11.00 27	12.00 26	13.00 24	15.00 20	19.00 20	22.00 15	34.00 10
1962	17.00 44	18.00 43	19.00 42	21.00 40	27.00 40	32.00 37	37.00 32	47.00 31	80.00 26
1963	16.00 41	16.00 38	17.00 40	19.00 38	24.00 39	28.00 32	30.00 29	35.00 25	45.00 14
1964	0.80 3	0.80 3	0.80 1	0.87 1	1.30 1	3.40 2	5.90 2	6.90 1	19.00 7
1965	3.80 12	4.30 13	4.50 11	5.40 12	6.70 11	7.10 8	9.00 7	12.00 8	35.00 11
1966	12.00 33	13.00 33	15.00 32	16.00 32	17.00 30	37.00 42	41.00 35	57.00 36	67.00 23
1967	4.10 15	4.30 14	4.80 12	6.20 13	10.00 18	13.00 16	18.00 17	20.00 13	49.00 17
1968	4.00 13	4.20 12	4.80 13	5.20 10	5.60 9	7.90 9	12.00 10	18.00 11	39.00 13
1969	23.00 45	24.00 47	24.00 45	26.00 44	28.00 41	35.00 40	47.00 38	136.00 47	233.00 51
1970	47.00 52	48.00 52	50.00 52	58.00 52	72.00 51	78.00 50	92.00 48	159.00 50	168.00 45
1971	13.00 34	14.00 34	16.00 36	22.00 41	29.00 44	36.00 41	41.00 36	44.00 30	62.00 22
1972	13.00 35	14.00 35	15.00 33	17.00 33	20.00 35	29.00 33	32.00 30	36.00 26	82.00 29
1973	8.90 25	9.20 25	10.00 24	11.00 23	12.00 20	20.00 25	29.00 27	38.00 28	131.00 39
1974	15.00 39	16.00 39	17.00 37	18.00 37	21.00 36	22.00 28	28.00 26	54.00 34	171.00 46
1975	33.00 50	35.00 50	41.00 51	52.00 51	73.00 52	131.00 52	207.00 53	198.00 53	274.00 52
1976	7.80 24	8.80 24	11.00 25	13.00 27	17.00 31	18.00 23	20.00 21	30.00 23	54.00 21
1977	4.10 14	4.90 15	6.00 15	6.80 16	9.50 16	11.00 14	14.00 12	16.00 10	17.00 5
1978	11.00 31	12.00 31	17.00 38	22.00 42	33.00 46	69.00 48	75.00 44	78.00 41	109.00 35
1979	35.00 51	37.00 51	38.00 50	39.00 50	53.00 50	73.00 49	112.00 49	156.00 49	189.00 47
1980	80.00 54	81.00 54	84.00 54	84.00 53	106.00 54	146.00 54	258.00 54	404.00 54	414.00 54
1981	24.00 48	25.00 48	26.00 47	29.00 47	32.00 45	32.00 38	40.00 34	40.00 29	88.00 32
1982	16.00 42	16.00 40	17.00 39	17.00 34	18.00 32	24.00 29	27.00 25	29.00 21	80.00 27
1983	11.00 32	11.00 26	12.00 28	13.00 28	14.00 25	16.00 21	22.00 22	28.00 18	78.00 24
1984	2.90 10	3.10 10	4.00 10	5.40 11	6.30 10	10.00 12	18.00 18	29.00 22	87.00 30
1985	9.50 26	11.00 27	13.00 29	14.00 30	16.00 28	24.00 30	35.00 31	50.00 32	101.00 33

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1931	1160.00 54	1000.00 54	678.00 53	514.00 53	347.00 54	258.00 54	198.00 54	160.00 54	117.00 54
1932	3880.00 36	2230.00 43	1840.00 39	1550.00 33	1110.00 31	888.00 29	701.00 33	579.00 35	434.00 39
1933	9620.00 8	5350.00 18	3070.00 18	1840.00 24	1210.00 26	1110.00 14	943.00 12	865.00 10	831.00 6
1934	1860.00 50	1520.00 50	1020.00 52	584.00 52	407.00 53	291.00 53	223.00 53	255.00 52	193.00 52
1935	1770.00 51	1440.00 51	1200.00 49	950.00 48	611.00 48	409.00 50	372.00 50	308.00 50	238.00 50
1936	3640.00 38	2880.00 36	1860.00 37	1320.00 38	877.00 41	863.00 30	693.00 35	588.00 33	451.00 36
1937	13400.00 3	9470.00 2	6090.00 1	5350.00 1	3530.00 1	2120.00 2	1500.00 2	1290.00 2	973.00 2
1938	6540.00 22	5370.00 16	3510.00 12	2250.00 11	1940.00 4	1460.00 4	1130.00 5	1060.00 4	872.00 5
1939	8020.00 10	5370.00 17	3290.00 15	2050.00 14	1260.00 22	1060.00 15	952.00 11	789.00 14	621.00 17
1940	6900.00 19	5010.00 20	2980.00 21	1650.00 30	959.00 37	598.00 45	585.00 44	500.00 43	372.00 45
1941	888.00 55	537.00 55	326.00 55	200.00 55	156.00 55	103.00 55	84.00 55	75.00 55	65.00 55
1942	3890.00 35	3090.00 33	1860.00 38	1450.00 35	862.00 44	757.00 35	672.00 36	581.00 34	465.00 34
1943	7970.00 12	5550.00 13	4060.00 6	2200.00 12	1220.00 25	805.00 33	713.00 30	627.00 29	533.00 27
1944	7130.00 16	5510.00 14	3620.00 10	1980.00 17	1260.00 23	911.00 26	705.00 32	577.00 36	394.00 44
1945	5450.00 27	4470.00 26	2830.00 24	1690.00 27	1370.00 19	1120.00 12	864.00 17	808.00 13	604.00 20
1946	2390.00 45	1720.00 48	1400.00 44	1050.00 44	739.00 45	655.00 43	648.00 37	554.00 39	471.00 32
1947	6800.00 21	5490.00 15	3110.00 17	1890.00 20	1480.00 13	1330.00 6	1080.00 6	925.00 8	744.00 9
1948	5400.00 28	3700.00 31	2560.00 28	1870.00 21	1570.00 10	1020.00 19	849.00 18	698.00 18	521.00 29
1949	16500.00 1	10400.00 1	5350.00 2	3070.00 3	2590.00 3	1780.00 3	1470.00 3	1240.00 3	938.00 3
1950	12400.00 4	8690.00 3	5040.00 3	4460.00 2	2970.00 2	2340.00 1	1760.00 1	1510.00 1	1110.00 1
1951	7000.00 18	4850.00 22	2890.00 23	2140.00 13	1310.00 20	1120.00 13	1010.00 9	981.00 6	885.00 4
1952	12200.00 5	8100.00 4	3970.00 7	2430.00 6	1520.00 11	1320.00 7	1040.00 7	964.00 7	759.00 7
1953	1990.00 48	1770.00 47	1350.00 47	975.00 47	590.00 49	446.00 48	444.00 47	413.00 46	358.00 46
1954	1390.00 53	1020.00 53	671.00 54	495.00 54	433.00 52	293.00 52	228.00 52	191.00 53	141.00 53
1955	1480.00 52	1220.00 52	1040.00 51	869.00 49	700.00 46	553.00 46	459.00 46	411.00 47	340.00 48
1956	8000.00 11	5880.00 11	3050.00 19	1860.00 22	1120.00 30	735.00 39	623.00 41	577.00 37	539.00 26
1957	4950.00 31	3800.00 30	2280.00 34	1410.00 36	918.00 39	847.00 31	790.00 22	672.00 22	526.00 28
1958	7100.00 17	4260.00 27	2460.00 29	1670.00 28	1150.00 29	1050.00 16	934.00 13	840.00 12	648.00 15
1959	10500.00 7	7210.00 6	3540.00 11	1910.00 19	1710.00 6	1150.00 11	880.00 15	739.00 16	592.00 22
1960	4400.00 32	2680.00 40	1390.00 45	1030.00 45	653.00 47	445.00 49	373.00 49	342.00 49	344.00 47
1961	7850.00 13	5550.00 12	3120.00 16	2300.00 10	1720.00 5	1340.00 5	1270.00 4	1040.00 5	725.00 11
1962	3440.00 39	2760.00 38	1660.00 41	1170.00 41	1030.00 34	739.00 38	698.00 34	601.00 31	456.00 35
1963	13800.00 2	8030.00 5	4100.00 5	2340.00 9	1610.00 7	1000.00 21	738.00 27	574.00 38	401.00 42
1964	7520.00 15	5950.00 10	3760.00 8	2360.00 7	1580.00 9	1250.00 8	888.00 14	680.00 21	482.00 30
1965	4980.00 30	4040.00 29	2310.00 31	1300.00 39	974.00 36	749.00 36	766.00 24	630.00 27	446.00 37

03363500 FLATROCK RIVER AT ST. PAUL, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	1900.00 49	1610.00 49	1130.00 50	724.00 51	477.00 51	372.00 51	315.00 51	269.00 51	237.00 51
1967	5950.00 23	4590.00 25	2970.00 22	1710.00 26	1090.00 32	742.00 37	706.00 31	628.00 28	623.00 16
1968	12100.00 6	7170.00 7	4410.00 4	2450.00 5	1440.00 15	950.00 22	807.00 20	664.00 24	579.00 24
1969	5660.00 25	4260.00 28	2650.00 27	1950.00 18	1390.00 18	929.00 23	752.00 25	615.00 30	561.00 25
1970	3310.00 40	2180.00 44	1600.00 42	1030.00 46	863.00 43	674.00 42	596.00 42	530.00 42	436.00 38
1971	3770.00 37	3060.00 35	2440.00 30	1610.00 32	1160.00 27	761.00 34	588.00 43	488.00 44	404.00 41
1972	2110.00 47	1790.00 46	1390.00 46	1170.00 42	866.00 42	628.00 44	547.00 45	479.00 45	421.00 40
1973	4200.00 34	3240.00 32	2280.00 32	1650.00 31	1260.00 21	1010.00 20	794.00 21	714.00 17	742.00 10
1974	4250.00 33	3080.00 34	1820.00 40	1470.00 34	945.00 38	710.00 41	719.00 29	651.00 25	600.00 21
1975	8550.00 9	6690.00 8	3500.00 13	1990.00 16	1480.00 14	1180.00 10	1020.00 8	916.00 9	746.00 8
1976	3010.00 43	2410.00 42	1510.00 43	1080.00 43	912.00 40	725.00 40	648.00 38	552.00 40	398.00 43
1977	2290.00 46	1880.00 45	1200.00 48	757.00 50	501.00 50	489.00 47	433.00 48	349.00 48	261.00 49
1978	5530.00 26	5070.00 19	3350.00 14	2340.00 8	1400.00 17	911.00 27	817.00 19	686.00 19	606.00 19
1979	5730.00 24	4970.00 21	2820.00 25	2610.00 4	1520.00 12	1030.00 17	774.00 23	685.00 20	669.00 14
1980	3170.00 41	2730.00 39	2270.00 35	1390.00 37	1040.00 33	822.00 32	647.00 39	651.00 26	612.00 18
1981	3160.00 42	2600.00 41	2280.00 33	1670.00 29	1160.00 28	912.00 25	722.00 28	592.00 32	467.00 33
1982	6830.00 20	4740.00 23	2750.00 26	1850.00 23	1590.00 8	1250.00 9	999.00 10	846.00 11	681.00 12
1983	7540.00 14	6410.00 9	3630.00 9	2000.00 15	1430.00 16	892.00 28	647.00 40	547.00 41	472.00 31
1984	2970.00 44	2870.00 37	1860.00 36	1290.00 40	1020.00 35	918.00 24	752.00 26	669.00 23	585.00 23
1985	5130.00 29	4600.00 24	3000.00 20	1740.00 25	1240.00 24	1020.00 18	871.00 16	787.00 15	670.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	255.00 18
1933	399.00 37
1934	275.00 24
1935	39.00 1
1936	286.00 27
1937	565.00 52
1938	431.00 42
1939	396.00 36
1940	271.00 20
1941	131.00 4
1942	200.00 13
1943	321.00 30
1944	184.00 8
1945	274.00 21
1946	430.00 41
1947	195.00 11
1948	486.00 47
1949	570.00 53
1950	558.00 51
1951	538.00 49
1952	458.00 45
1953	187.00 10
1954	109.00 3
1955	175.00 6
1956	315.00 29
1957	184.00 9
1958	392.00 35
1959	581.00 54
1960	199.00 12
1961	275.00 25
1962	413.00 40
1963	203.00 14
1964	154.00 5
1965	295.00 28
1966	214.00 16
1967	265.00 19
1968	274.00 22
1969	464.00 46
1970	353.00 32
1971	281.00 26
1972	182.00 7
1973	437.00 43
1974	372.00 34
1975	538.00 50

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1931	75.00 54
1932	279.00 32
1933	515.00 5
1934	108.00 52
1935	131.00 51
1936	250.00 37
1937	570.00 3
1938	577.00 2
1939	358.00 22
1940	194.00 48
1941	41.00 55
1942	286.00 31
1943	324.00 27
1944	206.00 45
1945	336.00 26
1946	312.00 28
1947	440.00 11
1948	289.00 29
1949	517.00 4
1950	642.00 1
1951	513.00 6
1952	405.00 15
1953	199.00 46
1954	76.00 53
1955	196.00 47
1956	363.00 21
1957	289.00 30
1958	481.00 9
1959	346.00 23
1960	222.00 43
1961	382.00 19
1962	257.00 34
1963	219.00 44
1964	248.00 38
1965	245.00 39
1966	142.00 50
1967	344.00 24
1968	400.00 16
1969	425.00 12
1970	251.00 36
1971	243.00 41
1972	244.00 40
1973	489.00 7
1974	392.00 18



03363500 FLATROCK RIVER AT ST. PAUL, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	275.00	23
1977	99.00	2
1978	328.00	31
1979	410.00	39
1980	511.00	48
1981	250.00	17
1982	455.00	44
1983	206.00	15
1984	367.00	33
1985	405.00	38

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	416.00	13
1976	231.00	42
1977	145.00	49
1978	410.00	14
1979	487.00	8
1980	462.00	10
1981	253.00	35
1982	369.00	20
1983	265.00	33
1984	339.00	25
1985	394.00	17

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	9.58	21.30	35.90	29.00	41.90	161.00	330.00	93.90	46.50	18.30	34.60	75.80
1932	44.50	158.00	575.00	1064.0	425.00	190.00	167.00	63.30	154.00	302.00	27.10	170.00
1933	264.00	614.00	855.00	867.00	359.00	928.00	749.00	1089.0	111.00	177.00	25.60	110.00
1934	66.90	54.70	305.00	142.00	55.60	396.00	175.00	42.90	19.70	13.10	6.75	4.92
1935	10.40	15.90	20.50	31.30	27.70	105.00	96.70	591.00	210.00	291.00	79.90	80.20
1936	37.40	170.00	176.00	295.00	796.00	622.00	574.00	225.00	29.40	9.28	14.60	84.30
1937	585.00	753.00	196.00	3450.0	646.00	190.00	368.00	218.00	179.00	40.60	63.70	133.00
1938	566.00	139.00	871.00	285.00	844.00	1476.0	1005.0	510.00	705.00	379.00	74.00	82.70
1939	21.50	141.00	106.00	228.00	708.00	828.00	1256.0	283.00	439.00	176.00	141.00	13.00
1940	15.90	21.40	24.90	106.00	555.00	263.00	910.00	212.00	211.00	31.30	12.10	4.84
1941	4.49	23.30	37.10	33.70	64.10	41.80	51.90	76.60	120.00	25.70	6.52	5.47
1942	64.30	171.00	211.00	203.00	906.00	618.00	521.00	143.00	358.00	53.60	102.00	146.00
1943	22.60	319.00	350.00	261.00	418.00	1173.0	211.00	659.00	263.00	139.00	37.80	26.50
1944	18.30	29.00	24.30	62.40	143.00	590.00	1218.0	274.00	87.70	17.40	10.10	9.89
1945	7.77	14.80	16.60	31.60	353.00	1261.0	894.00	287.00	699.00	130.00	68.00	292.00
1946	305.00	321.00	449.00	447.00	678.00	631.00	170.00	380.00	235.00	89.20	43.30	10.80
1947	12.70	28.50	147.00	569.00	282.00	370.00	941.00	1081.0	991.00	519.00	253.00	80.70
1948	40.70	51.60	68.30	365.00	514.00	929.00	964.00	296.00	58.90	147.00	29.20	14.40
1949	17.40	489.00	494.00	2519.0	933.00	893.00	303.00	93.40	141.00	153.00	38.50	139.00
1950	228.00	72.20	321.00	2873.0	1808.0	599.00	675.00	388.00	346.00	165.00	43.00	265.00
1951	120.00	785.00	800.00	950.00	1296.0	697.00	810.00	244.00	294.00	191.00	27.40	13.90
1952	16.50	135.00	1045.0	1407.0	604.00	704.00	585.00	183.00	109.00	28.00	12.70	13.40
1953	8.52	21.60	107.00	352.00	304.00	528.00	213.00	567.00	123.00	125.00	28.00	3.37
1954	3.19	9.67	17.50	52.10	44.70	109.00	402.00	161.00	81.30	16.10	12.10	4.32
1955	11.50	16.60	72.30	253.00	472.00	625.00	281.00	220.00	172.00	130.00	17.10	102.00
1956	187.00	1115.0	194.00	96.30	904.00	416.00	556.00	441.00	272.00	192.00	25.40	11.10
1957	8.93	20.10	88.30	146.00	316.00	154.00	915.00	760.00	635.00	349.00	57.90	40.50
1958	32.30	183.00	995.00	349.00	150.00	225.00	323.00	884.00	919.00	831.00	643.00	189.00
1959	109.00	262.00	216.00	1065.0	1030.0	524.00	312.00	422.00	156.00	58.00	27.80	15.90
1960	33.50	91.60	196.00	323.00	536.00	230.00	182.00	197.00	446.00	339.00	84.90	18.60
1961	13.70	24.40	31.60	60.80	291.00	1605.0	1031.0	985.00	324.00	91.40	66.40	43.90
1962	30.60	62.30	290.00	712.00	541.00	780.00	248.00	159.00	72.80	131.00	31.40	33.00
1963	31.20	48.10	35.30	89.20	59.90	1474.0	461.00	223.00	82.60	53.70	37.40	5.54
1964	1.96	10.70	9.98	54.30	35.30	867.00	1534.0	226.00	58.20	165.00	17.00	7.25
1965	7.11	16.80	34.90	224.00	773.00	543.00	953.00	195.00	45.40	121.00	28.20	49.00
1966	95.50	66.80	89.90	315.00	440.00	202.00	131.00	261.00	57.50	21.90	30.80	10.10
1967	16.70	276.00	977.00	213.00	376.00	797.00	345.00	928.00	126.00	42.90	12.70	5.67
1968	17.90	38.70	655.00	339.00	478.00	292.00	376.00	1284.0	568.00	321.00	380.00	40.40
1969	35.20	219.00	543.00	1029.0	598.00	167.00	508.00	471.00	436.00	802.00	164.00	128.00
1970	71.60	287.00	224.00	275.00	402.00	465.00	851.00	228.00	104.00	46.20	40.20	40.90
1971	64.50	101.00	182.00	234.00	1170.0	399.00	103.00	294.00	286.00	91.90	24.80	36.40
1972	45.20	37.00	357.00	302.00	188.00	414.00	841.00	372.00	258.00	73.60	22.20	18.90
1973	46.80	875.00	792.00	443.00	369.00	1129.0	840.00	262.00	580.00	418.00	88.20	21.40
1974	23.70	180.00	343.00	872.00	426.00	419.00	715.00	480.00	583.00	123.00	176.00	375.00
1975	145.00	285.00	552.00	736.00	1409.0	948.00	560.00	230.00	135.00	31.10	21.60	17.90
1976	49.70	78.10	403.00	694.00	708.00	386.00	122.00	64.80	103.00	130.00	34.00	9.95
1977	14.50	22.90	17.50	15.10	316.00	351.00	414.00	296.00	62.50	84.20	130.00	32.90
1978	253.00	121.00	939.00	198.00	108.00	1255.0	454.00	641.00	246.00	218.00	292.00	139.00
1979	95.80	153.00	504.00	499.00	801.00	890.00	546.00	236.00	287.00	915.00	716.00	208.00
1980	105.00	783.00	751.00	381.00	283.00	894.00	562.00	301.00	447.00	425.00	532.00	62.80
1981	32.30	38.00	57.30	34.20	359.00	160.00	540.00	1091.0	388.00	250.00	72.70	28.20
1982	23.60	31.10	121.00	833.00	1314.0	824.00	404.00	438.00	313.00	131.00	40.00	19.00
1983	14.30	56.40	424.00	241.00	273.00	128.00	654.00	1096.0	154.00	93.80	29.10	6.78
1984	41.50	387.00	595.00	155.00	420.00	771.00	1012.0	447.00	121.00	79.20	31.00	22.90
1985	89.50	301.00	681.00	464.00	943.00	716.00	614.00	595.00	220.00	77.50	55.00	15.50

## WABASH RIVER BASIN

03363500 FLATROCK RIVER AT ST. PAUL, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
14.50	28.50	68.30	142.00	283.00	263.00
FIFTIETH PERCENTILE					
32.30	91.60	216.00	295.00	426.00	590.00
SEVENTY FIFTH PERCENTILE					
89.50	276.00	552.00	694.00	773.00	867.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
303.00	218.00	104.00	53.60	25.40	11.10
FIFTIETH PERCENTILE					
540.00	294.00	210.00	130.00	37.40	28.20
SEVENTY FIFTH PERCENTILE					
841.00	567.00	358.00	218.00	79.90	84.30

## 03363900 FLATROCK RIVER AT COLUMBUS, IN

LOCATION.--Lat 39°14'06", long 85°55'36", in NE¼SW¼ sec.12, T.9 N., R.5 E., Bartholomew County, Hydrologic Unit 05120205, on left bank at downstream side of bridge on U.S. Highway 31, 0.2 mi northwest of Columbus city limits, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--534 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1967 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 610.14 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--18 years, 600 ft<sup>3</sup>/s, 15.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft<sup>3</sup>/s May 25, 1968, gage height, 15.87 ft; minimum daily, 22 ft<sup>3</sup>/s Oct. 5, 1967.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968		7		4	15	5	2	22	10	21	8	5	12	21	38	26	29	21	19	22	19	12	15	4	8	4	5	5	1	1	1	1	2		1	
1969									29	16	10	16	12	36	46	40	33	25	16	17	10	8	19	4	9	5	3	1	3	2	3			2		
1970						7	28	18	16	40	22	39	16	28	13	16	27	26	17	14	9	5	4	3	7	4	2	2	1	1						
1971					15	19	8	11	16	43	22	39	19	29	30	27	19	10	20	10	8	2	4	2	3	1	1	2	4				1			
1972			13	15	23	8	36	16	21	9	13	6	14	24	34	37	27	22	24	15	11	12	5	4	5	5		1								
1973				8	6	6	19	17	10	4	7	4	14	13	26	31	22	23	33	35	17	22	11	10	12	8	3	2	1	1						
1974					4	32	11	16	11	13	16	16	22	21	37	36	23	29	18	13	16	7	6	5	5	5	4	2	2							
1975					17	33	19	11	10	2	16	9	14	23	18	27	23	25	24	25	14	16	12	8	7	6	2		2						2	
1976			13	26	13	8	9		24	41	27	25	17	21	15	14	25	16	17	13	12	4	5	4	4	5	3	4		1						
1977		29	34	44	24	16	19		6	29	17	21	12	14	18	19	12	12	8	10	5	4	3	1	3	2		2	1							
1978										8	15	41	25	32	42	24	28	31	21	29	14	8	9	6	10	8	4	4		1	2	1	2			
1979										16	12	13	9	33	44	36	48	30	26	23	13	9	9	12	6	3	7	6	1	1	3	2	3			
1980									6	11	5	27	16	21	43	42	27	31	27	23	24	14	16	10	4	3	3	4	5	3	1					
1981						14	75	46	31	8	15	20	23	15	19	12	20	18	8	14	3	7	4	2	2	4	1	3		1						
1982				14	12	51	32	29	8	7	7	13	19	19	21	20	13	19	15	20	9	5	8	8	8	1	1		1		4				1	
1983			25	50	19	11	13	3	16	6	16	20	31	29	26	28	14	14	8	6	8	6	5	2	3	2	1					1	2			
1984			12	8	17	16	15	11	27	5	17	15	15	15	15	22	16	25	32	22	13	19	9	4	5	7	2	1	1							
1985				4	22	8	9	12	23	13	15	13	20	21	30	28	25	27	17	16	14	13	6	9	4	4	1	6		4	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6575	100.00	12	190.0	254	4315	65.63	24	1900.0	108	394	5.99
1	22.0	7	6575	100.00	13	220.0	401	4061	61.76	25	2300.0	86	286	4.35
2	27.0	29	6568	99.89	14	270.0	470	3660	55.67	26	2800.0	65	200	3.04
3	32.0	101	6539	99.45	15	330.0	457	3190	48.52	27	3400.0	46	135	2.05
4	39.0	199	6438	97.92	16	400.0	480	2733	41.57	28	4100.0	30	89	1.35
5	48.0	184	6239	94.89	17	490.0	393	2253	34.27	29	5000.0	17	59	0.90
6	58.0	213	6055	92.09	18	590.0	369	1860	28.29	30	6000.0	16	42	0.64
7	70.0	329	5842	88.85	19	720.0	342	1491	22.68	31	7300.0	11	26	0.40
8	85.0	263	5513	83.85	20	870.0	281	1149	17.48	32	8900.0	11	15	0.23
9	100.0	387	5250	79.85	21	1100.0	169	868	13.20	33	11000.0	2	4	0.06
10	130.0	203	4863	73.96	22	1300.0	193	699	10.63	34	13000.0	2	2	0.03
11	150.0	345	4660	70.87	23	1600.0	112	506	7.70					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 47.7  
P90 = 65.8  
P75 = 125.0  
P70 = 157.0  
P50 = 318.0  
P25 = 666.0  
P10 = 1370.0

## 03363900 FLATROCK RIVER AT COLUMBUS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	86.00 13	87.00 13	88.00 13	89.00 13	92.00 12	103.00 12	125.00 12	281.00 14	468.00 16
1970	108.00 15	109.00 15	112.00 15	124.00 15	126.00 14	145.00 14	160.00 14	261.00 13	282.00 12
1971	50.00 8	51.00 8	52.00 8	56.00 8	63.00 9	76.00 9	88.00 10	94.00 9	118.00 2
1972	39.00 4	40.00 4	43.00 5	45.00 5	52.00 5	65.00 6	73.00 7	77.00 5	132.00 5
1973	32.00 2	34.00 3	35.00 3	37.00 3	41.00 3	55.00 4	60.00 4	81.00 7	250.00 11
1974	68.00 12	69.00 12	70.00 12	72.00 12	77.00 11	79.00 10	88.00 8	139.00 11	322.00 13
1975	110.00 16	112.00 16	119.00 16	133.00 16	155.00 16	246.00 16	352.00 16	334.00 15	462.00 15
1976	42.00 6	43.00 6	45.00 6	49.00 6	56.00 6	58.00 5	63.00 5	78.00 6	128.00 4
1977	28.00 1	29.00 1	30.00 1	30.00 1	31.00 1	34.00 1	39.00 1	40.00 1	43.00 1
1978	58.00 10	59.00 10	63.00 10	69.00 10	93.00 13	143.00 13	153.00 13	155.00 12	215.00 10
1979	102.00 14	103.00 14	106.00 14	110.00 14	136.00 15	164.00 15	225.00 15	337.00 16	412.00 14
1980	170.00 17	173.00 17	177.00 17	179.00 17	203.00 17	267.00 17	431.00 17	687.00 17	699.00 17
1981	64.00 11	65.00 11	67.00 11	70.00 11	76.00 10	82.00 11	93.00 11	91.00 8	160.00 7
1982	57.00 9	57.00 9	58.00 9	59.00 9	61.00 8	66.00 7	72.00 6	76.00 4	154.00 6
1983	41.00 5	41.00 5	42.00 4	42.00 4	42.00 4	44.00 3	52.00 3	62.00 2	120.00 3
1984	33.00 3	33.00 2	33.00 2	34.00 2	34.00 2	39.00 2	50.00 2	65.00 3	167.00 8
1985	46.00 7	48.00 7	51.00 7	52.00 7	57.00 7	67.00 8	88.00 9	115.00 10	202.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	16000.00 1	11300.00 1	7580.00 1	4370.00 2	2620.00 5	1750.00 5	1520.00 4	1250.00 4	1070.00 6
1969	10300.00 6	8720.00 6	5260.00 6	3700.00 4	2700.00 3	1750.00 6	1410.00 5	1150.00 10	1010.00 11
1970	5120.00 16	3580.00 16	2780.00 15	1860.00 16	1510.00 16	1160.00 16	1030.00 15	938.00 14	758.00 13
1971	7360.00 9	5370.00 11	4330.00 10	2740.00 11	1960.00 10	1280.00 14	985.00 16	830.00 17	660.00 17
1972	3900.00 18	2870.00 18	2270.00 17	1860.00 17	1440.00 17	1070.00 17	945.00 17	833.00 16	718.00 16
1973	7220.00 10	5420.00 10	3920.00 12	2910.00 9	2160.00 8	1730.00 7	1350.00 8	1230.00 5	1240.00 2
1974	5500.00 15	4060.00 15	3240.00 13	2580.00 13	1660.00 14	1240.00 15	1230.00 10	1100.00 11	1040.00 9
1975	12200.00 3	9540.00 4	5630.00 3	3250.00 6	2690.00 4	2080.00 2	1740.00 1	1560.00 1	1270.00 1
1976	5750.00 13	4380.00 14	2730.00 16	1870.00 15	1660.00 15	1340.00 13	1190.00 12	1020.00 12	741.00 15
1977	4540.00 17	3460.00 17	2090.00 18	1330.00 18	880.00 18	815.00 18	777.00 18	638.00 18	478.00 18
1978	9970.00 7	9140.00 5	5960.00 2	4150.00 3	2480.00 6	1590.00 9	1380.00 6	1230.00 6	1030.00 10
1979	10500.00 4	8000.00 7	5280.00 5	4720.00 1	2760.00 1	1820.00 3	1350.00 7	1220.00 7	1170.00 4
1980	6330.00 12	5310.00 12	4350.00 9	2630.00 12	1820.00 12	1530.00 10	1200.00 11	1160.00 9	1060.00 7
1981	6950.00 11	5510.00 9	4280.00 11	2930.00 8	1960.00 11	1430.00 11	1140.00 13	943.00 13	749.00 14
1982	13100.00 2	9720.00 2	5200.00 7	3310.00 5	2750.00 2	2130.00 1	1700.00 2	1440.00 2	1100.00 5
1983	10300.00 5	9590.00 3	5590.00 4	3180.00 7	2200.00 7	1430.00 12	1050.00 14	902.00 15	767.00 12
1984	5720.00 14	4460.00 13	3090.00 14	2130.00 14	1770.00 13	1600.00 8	1340.00 9	1200.00 8	1050.00 8
1985	7540.00 8	6930.00 8	4580.00 8	2800.00 10	2120.00 9	1760.00 4	1540.00 3	1360.00 3	1180.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	879.00 16
1970	560.00 7
1971	488.00 5
1972	302.00 2
1973	739.00 12
1974	662.00 10
1975	916.00 17
1976	520.00 6
1977	175.00 1
1978	601.00 8
1979	750.00 13
1980	877.00 15
1981	373.00 4
1982	767.00 14
1983	313.00 3
1984	640.00 9
1985	712.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	740.00 5
1969	719.00 7
1970	443.00 12
1971	402.00 17
1972	426.00 15
1973	835.00 2
1974	677.00 9
1975	733.00 6
1976	435.00 14
1977	271.00 18
1978	744.00 4
1979	842.00 1
1980	745.00 3
1981	422.00 16
1982	599.00 11
1983	437.00 13
1984	622.00 10
1985	710.00 8

03363900 FLATROCK RIVER AT COLUMBUS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	38.60	79.50	1025.0	530.00	1016.0	539.00	685.00	2281.0	1100.0	602.00	863.00	113.00
1969	104.00	387.00	940.00	1827.0	1351.0	306.00	865.00	697.00	572.00	1135.0	281.00	200.00
1970	134.00	444.00	375.00	512.00	741.00	773.00	1454.0	464.00	185.00	101.00	96.60	78.20
1971	111.00	174.00	296.00	409.00	1929.0	694.00	252.00	413.00	342.00	183.00	66.40	76.50
1972	88.70	79.60	522.00	533.00	338.00	721.00	1362.0	727.00	467.00	164.00	73.20	44.70
1973	65.00	1414.0	1306.0	718.00	607.00	1918.0	1441.0	454.00	1027.0	760.00	226.00	86.20
1974	77.00	288.00	585.00	1479.0	746.00	783.00	1147.0	949.00	966.00	272.00	250.00	592.00
1975	286.00	510.00	874.00	1098.0	2249.0	1914.0	975.00	482.00	292.00	97.30	66.50	60.40
1976	96.80	157.00	716.00	1354.0	1258.0	712.00	251.00	132.00	236.00	212.00	73.70	39.20
1977	41.40	47.60	44.80	30.60	417.00	597.00	831.00	639.00	144.00	165.00	217.00	92.90
1978	484.00	200.00	1556.0	372.00	215.00	2223.0	746.00	1024.0	626.00	435.00	625.00	332.00
1979	189.00	283.00	784.00	869.00	1379.0	1736.0	900.00	351.00	395.00	1556.0	1296.0	368.00
1980	203.00	1443.0	1428.0	675.00	489.00	1385.0	918.00	519.00	549.00	501.00	683.00	129.00
1981	82.10	87.70	115.00	76.50	533.00	304.00	767.00	1724.0	731.00	398.00	172.00	81.10
1982	64.30	76.40	214.00	1213.0	2524.0	1368.0	675.00	452.00	415.00	200.00	85.20	53.10
1983	42.50	76.10	576.00	446.00	487.00	261.00	979.00	1826.0	281.00	165.00	62.60	35.60
1984	71.40	635.00	1098.0	332.00	811.00	1380.0	1760.0	799.00	254.00	190.00	91.10	61.00
1985	139.00	532.00	1125.0	867.00	1495.0	1302.0	1159.0	1124.0	464.00	196.00	116.00	57.30

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
64.80	79.60	355.00	400.00	489.00	583.00
FIFTIETH PERCENTILE					
92.70	242.00	750.00	604.00	779.00	778.00
SEVENTY FIFTH PERCENTILE					
152.00	516.00	1105.00	1127.00	1408.00	1473.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
731.00	454.00	274.00	165.00	73.60	56.20
FIFTIETH PERCENTILE					
909.00	668.00	440.00	206.00	144.00	79.60
SEVENTY FIFTH PERCENTILE					
1210.00	1049.00	652.00	526.00	367.00	147.00

## 03364000 EAST FORK WHITE RIVER AT COLUMBUS, IN

LOCATION.--Lat 39°12'00", long 85°55'32", in NE¼NW¼ sec.25, T.9 N., R.5 E., Bartholomew County, Hydrologic Unit 05120205, on left bank at abutment of abandoned bridge at west end of Second Street in Columbus, 0.6 mi downstream from confluence of Driftwood River and Flatrock River, 1.3 mi upstream from Haw Creek, and at mile 238.7.

DRAINAGE AREA.--1,707 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1947 to September 1985. Prior to January 1948 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder above concrete control. Datum of gage is 603.12 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1952, nonrecording gage 600 ft upstream at same datum.

AVERAGE DISCHARGE.--38 years, 1,847 ft<sup>3</sup>/s, 14.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,300 ft<sup>3</sup>/s Mar. 6, 1963, gage height, 16.23 ft; minimum daily, 87 ft<sup>3</sup>/s Sept. 29, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1949					3	12	8	10	11	30	18	25	22	27	21	31	17	19	18	19	19	14	11	4	4	2	5		7	2	3		2	1	
1950						5		25	31	37	21	10	13	23	29	17	22	17	20	27	10	13	7	5	4	3	5	8	1	4	5	2	1		
1951					13	11	11	19	14	14	14	11	20	29	40	23	18	13	22	21	12	19	14	7	5	4	5	4		2					
1952					17	24	36	19	12	10	10	13	17	15	18	17	17	20	19	19	20	13	16	9	5	6	7	1	2	1	1	1		1	
1953			5	18	13	4	56	14	17	19	20	17	18	23	19	37	24	19	6	11	8	6	4	5		1	1								
1954		26	27	39	49	36	31	4	9	24	27	22	13	10	9	7	9	7	5	6	2	1	1	1											
1955		11	7	15	41	32	17	6	11	6	19	22	20	20	23	21	19	21	16	12	7	6	4	8	1										
1956						20	13	18	12	28	28	22	23	24	30	19	24	18	15	15	13	14	8	8	2	5	1		3	1		2			
1957					18	43	17	23	37	17	15	27	28	20	17	17	16	16	14	1	10	5	2	3	3	6	3	3	2	2					
1958					4	13	7	17	2	5	22	30	39	24	34	28	18	11	20	11	13	18	14	12	3	8	4	6	2						
1959					1	18	17	23	17	19	46	24	12	25	16	25	26	18	25	14	15	4	6	2	3	2	2	2		1	2				
1960					3	5	40	25	28	19	33	40	27	21	37	11	26	8	11	7	9	3	1	5	3	1	1		2						
1961						25	87	56	24	14	10	11	7	13	22	8	9	11	5	10	7	6	12	10	1	5	3	1	4	2		1	1		
1962						9	41	39	26	21	20	28	30	27	30	16	13	13	12	9	3	6	11	4	1	3	3								
1963			6	14	5	7	62	98	30	16	19	12	14	16	13	4	8	3	5	11	2	4	4	2	4	2		1		1		1		1	
1964		5	5	38	55	30	32	35	20	26	18	7	6	4	6	14	7	11	8	4	5	2	3	6	7	2	1	1	1	2	1	3	1		
1965			9	11	28	18	39	42	12	22	21	19	18	13	9	18	12	19	10	6	5	8	6	11	2	1	3	1		2					
1966					16	16	12	29	41	61	42	31	19	15	20	21	10	11	3	4	6	1	1	3	2	1									
1967			3	27	10	42	23	14	5	4	14	12	24	11	31	19	25	19	19	14	12	6	9	7	5	5		2		2	1				
1968			9	7	14	25	19	11	9	32	39	21	19	24	27	17	15	20	12	12	13	3	3	2	2	2	2	3	3	1	1		1		
1969								25	19	17	17	11	23	35	45	49	19	19	14	14	17	7	8	6	2	8	2		3	1	2	2			
1970								19	29	24	31	30	38	21	20	12	30	23	24	14	12	9	5	9	7	4	1	3							
1971					9	25	16	37	51	29	26	20	24	24	23	15	16	12	17	2	3	3	2	2	3	2	1	2	1						
1972					5	34	45	30	13	14	10	13	13	41	44	25	25	12	10	5	9	3	6	4	3	2									
1973					1	33	17	7	13	8	11	30	35	24	20	32	32	16	23	23	17	6	6	5	5	1									
1974					8	29	24	21	18	15	15	24	39	35	29	23	24	11	12	9	8	4	4	8	4	1									
1975					21	30	19	8	27	12	9	5	22	32	21	23	22	31	14	21	14	10	7	7	6	1		1		1	1				
1976					15	26	17	24	45	28	25	28	18	16	18	25	17	15	12	8	6	6	8	2	2	4	1								
1977			5	41	26	68	28	34	24	17	14	14	8	14	20	10	8	6	7	3	9	2	5	1	1										
1978								15	14	9	32	31	37	32	33	24	25	24	20	10	13	11	8	8	5	6	1	3	2	2					
1979									17	13	10	11	33	36	41	44	32	25	22	19	10	13	8	5	4	6	3	5	4	4					
1980								3	6	6	26	20	26	39	44	28	32	24	29	18	18	20	6	7	3	5	6								
1981					2	58	73	25	13	21	30	19	17	16	10	24	8	11	8	11	7	1	2	2	2	1	2	2							
1982					4	22	58	44	18	10	12	17	20	21	21	18	14	13	19	12	5	8	6	7	6	3	2	3	1	1					
1983			10	12	13	40	34	13	14	15	29	29	37	27	25	13	13	6	7	4	6	8	3	3	1	1	2								
1984			3	3	3	21	18	22	19	22	22	19	17	19	25	24	26	16	14	16	15	4	5	8			1	1	1						
1985					4	17	11	14	30	25	26	21	23	35	37	25	17	16	15	8	10	10	5	1	3	4	3	4	1						

## 03364000 EAST FORK WHITE RIVER AT COLUMBUS, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13514	100.00	12	700.0	736	7833	57.96	24	6700.0	162	630	4.66
1	87.0	42	13514	100.00	13	840.0	746	7097	52.52	25	8100.0	113	468	3.46
2	110.0	53	13472	99.69	14	1000.0	817	6351	47.00	26	9800.0	121	355	2.63
3	130.0	148	13419	99.30	15	1200.0	1013	5534	40.95	27	12000.0	63	234	1.73
4	150.0	328	13271	98.20	16	1500.0	725	4521	33.45	28	14000.0	62	171	1.27
5	190.0	308	12943	95.77	17	1800.0	719	3796	28.09	29	17000.0	45	109	0.81
6	220.0	720	12635	93.50	18	2200.0	540	3077	22.77	30	21000.0	31	64	0.47
7	270.0	891	11915	88.17	19	2600.0	568	2537	18.77	31	25000.0	17	33	0.24
8	330.0	939	11024	81.57	20	3200.0	409	1969	14.57	32	31000.0	10	16	0.12
9	400.0	792	10085	74.63	21	3800.0	351	1560	11.54	33	37000.0	5	6	0.04
10	480.0	686	9293	68.77	22	4600.0	326	1209	8.95	34	45000.0	1	1	0.01
11	580.0	774	8607	63.69	23	5600.0	253	883	6.53					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	200.0
P90 =	253.0
P75 =	396.0
P70 =	463.0
P50 =	913.0
P25 =	2030.0
P10 =	4280.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	178.00 12	181.00 12	188.00 11	196.00 11	204.00 10	228.00 9	263.00 12	427.00 24	587.00 21
1950	275.00 29	299.00 30	336.00 32	400.00 32	448.00 32	542.00 32	576.00 31	634.00 30	721.00 25
1951	290.00 30	298.00 29	328.00 31	353.00 31	390.00 31	475.00 31	709.00 33	706.00 31	1070.00 30
1952	170.00 10	175.00 10	176.00 10	185.00 10	190.00 9	210.00 8	250.00 9	358.00 20	702.00 24
1953	178.00 11	180.00 11	194.00 12	208.00 12	232.00 14	249.00 13	258.00 10	264.00 7	366.00 8
1954	116.00 3	117.00 3	119.00 3	125.00 3	133.00 3	141.00 3	150.00 3	168.00 3	208.00 2
1955	87.00 1	88.00 1	90.00 1	91.00 1	94.00 1	112.00 1	119.00 1	139.00 1	159.00 1
1956	120.00 4	120.00 4	124.00 4	131.00 4	149.00 5	250.00 14	456.00 30	616.00 29	894.00 28
1957	211.00 19	211.00 19	213.00 17	213.00 13	221.00 12	232.00 10	248.00 8	270.00 8	376.00 9
1958	218.00 20	218.00 20	245.00 22	257.00 23	304.00 25	338.00 25	349.00 21	430.00 25	1210.00 33
1959	500.00 36	533.00 36	582.00 36	619.00 36	632.00 36	852.00 36	980.00 36	1210.00 36	1900.00 36
1960	205.00 18	208.00 18	217.00 19	223.00 18	240.00 16	275.00 16	298.00 16	344.00 16	440.00 13
1961	235.00 24	240.00 24	246.00 23	258.00 24	265.00 20	278.00 17	297.00 14	304.00 10	343.00 6
1962	260.00 27	262.00 25	264.00 25	267.00 25	287.00 23	303.00 21	315.00 17	339.00 14	488.00 16
1963	260.00 28	267.00 27	281.00 28	304.00 28	309.00 27	345.00 26	358.00 22	353.00 19	395.00 10
1964	140.00 5	140.00 5	140.00 5	141.00 5	144.00 4	153.00 4	171.00 4	175.00 4	227.00 3
1965	104.00 2	104.00 2	108.00 2	121.00 2	127.00 2	136.00 2	148.00 2	167.00 2	272.00 5
1966	188.00 14	202.00 17	213.00 18	225.00 19	232.00 15	333.00 23	385.00 25	435.00 26	455.00 14
1967	155.00 9	160.00 9	167.00 9	183.00 9	213.00 11	244.00 11	260.00 11	271.00 9	421.00 12
1968	140.00 6	143.00 7	150.00 7	156.00 8	161.00 8	183.00 6	204.00 6	232.00 6	356.00 7
1969	306.00 31	307.00 31	308.00 29	314.00 29	320.00 29	348.00 28	444.00 29	819.00 32	1180.00 31
1970	387.00 34	395.00 33	411.00 33	424.00 33	517.00 33	578.00 33	600.00 32	995.00 34	1030.00 29
1971	219.00 21	225.00 21	227.00 20	240.00 20	260.00 19	281.00 18	323.00 19	350.00 17	401.00 11
1972	194.00 15	196.00 14	211.00 16	215.00 14	243.00 18	302.00 20	317.00 18	324.00 13	498.00 17
1973	194.00 16	200.00 15	210.00 15	222.00 16	241.00 17	297.00 19	377.00 24	419.00 22	865.00 27
1974	310.00 32	310.00 32	315.00 30	328.00 30	355.00 30	369.00 29	399.00 27	593.00 28	1180.00 32
1975	386.00 33	422.00 35	455.00 35	496.00 35	536.00 34	748.00 35	869.00 35	832.00 33	1300.00 34
1976	221.00 22	226.00 22	234.00 21	249.00 21	268.00 21	271.00 15	297.00 15	341.00 15	519.00 18
1977	141.00 8	144.00 8	152.00 8	152.00 7	160.00 7	176.00 5	202.00 5	216.00 5	237.00 4
1978	187.00 13	192.00 13	204.00 13	222.00 17	313.00 28	388.00 30	398.00 26	422.00 23	588.00 22
1979	405.00 35	416.00 34	429.00 34	446.00 34	557.00 35	614.00 34	838.00 34	1210.00 35	1520.00 35
1980	612.00 37	612.00 37	621.00 37	655.00 37	719.00 37	953.00 37	1410.00 37	2220.00 37	2330.00 37
1981	256.00 26	269.00 28	275.00 26	283.00 26	305.00 26	334.00 24	359.00 23	352.00 18	595.00 23
1982	253.00 25	263.00 26	276.00 27	291.00 27	300.00 24	321.00 22	329.00 20	368.00 21	577.00 20
1983	201.00 17	202.00 16	207.00 14	220.00 15	226.00 13	247.00 12	280.00 13	305.00 11	468.00 15
1984	140.00 7	140.00 6	145.00 6	149.00 6	159.00 6	199.00 7	235.00 7	307.00 12	576.00 19
1985	228.00 23	233.00 23	251.00 24	253.00 22	275.00 22	347.00 27	410.00 28	496.00 27	750.00 26

## 03364000 EAST FORK WHITE RIVER AT COLUMBUS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	44500.00 3	36200.00 1	20600.00 3	12800.00 4	11700.00 2	8300.00 2	7070.00 2	6010.00 2	4490.00 2
1950	37200.00 6	32000.00 4	22100.00 1	20800.00 1	14900.00 1	11600.00 1	9050.00 1	7680.00 1	5720.00 1
1951	24800.00 15	21600.00 14	13700.00 18	9930.00 13	6310.00 17	5280.00 13	4850.00 9	4650.00 7	4220.00 3
1952	43100.00 4	30800.00 6	17000.00 8	12200.00 6	7600.00 10	6160.00 8	5260.00 5	5000.00 4	4140.00 4
1953	11100.00 31	8860.00 33	6010.00 33	4220.00 35	3340.00 34	2460.00 35	2450.00 33	2180.00 33	1870.00 34
1954	5870.00 37	5120.00 37	3720.00 37	2910.00 37	2360.00 37	1690.00 37	1350.00 37	1190.00 37	908.00 37
1955	7050.00 36	6330.00 36	6010.00 34	4750.00 33	3830.00 32	3020.00 32	2610.00 32	2320.00 32	1900.00 33
1956	34000.00 7	23900.00 11	14200.00 15	8590.00 21	5350.00 22	4040.00 25	3460.00 27	3500.00 20	2980.00 20
1957	22600.00 17	19900.00 18	13800.00 17	9000.00 16	5620.00 21	5160.00 14	4560.00 12	4070.00 11	3160.00 18
1958	20100.00 19	17800.00 20	12500.00 21	9700.00 14	6740.00 15	6450.00 6	5190.00 7	4660.00 6	3570.00 10
1959	28000.00 10	25500.00 9	15600.00 11	9000.00 17	8240.00 5	5860.00 10	4570.00 11	3920.00 13	3170.00 17
1960	17700.00 24	14700.00 25	8740.00 28	6240.00 29	3900.00 31	2700.00 34	2350.00 35	2130.00 34	2140.00 31
1961	42000.00 5	32600.00 3	20200.00 4	13800.00 2	10000.00 3	7320.00 3	6770.00 3	5490.00 3	3850.00 7
1962	13200.00 29	11900.00 29	7890.00 29	5660.00 30	5340.00 23	3740.00 28	3610.00 23	3050.00 27	2370.00 24
1963	49000.00 1	35500.00 2	19600.00 5	12100.00 7	8880.00 4	5610.00 11	4070.00 16	3210.00 23	2270.00 28
1964	33800.00 8	27500.00 7	18500.00 6	11700.00 9	7710.00 9	6830.00 4	4960.00 8	3830.00 14	2710.00 22
1965	19100.00 21	16900.00 22	10900.00 24	6260.00 28	4910.00 28	3780.00 27	3850.00 21	3190.00 24	2290.00 26
1966	8300.00 35	7580.00 35	5470.00 35	3530.00 36	2450.00 36	1940.00 36	1670.00 36	1490.00 36	1300.00 36
1967	27400.00 11	24300.00 10	17200.00 7	10300.00 11	6880.00 14	4210.00 22	3580.00 24	3600.00 18	3510.00 11
1968	44700.00 2	31900.00 5	21900.00 2	12600.00 5	7480.00 13	4580.00 20	3930.00 19	3640.00 17	3250.00 16
1969	26400.00 13	23000.00 12	15100.00 13	10400.00 10	7770.00 7	5110.00 15	4030.00 17	3440.00 22	2880.00 21
1970	10300.00 32	9140.00 31	7050.00 32	4910.00 32	3740.00 33	3190.00 31	3130.00 29	2790.00 28	2370.00 25
1971	17800.00 23	16400.00 23	13100.00 20	8610.00 19	6230.00 20	4140.00 23	3190.00 28	2650.00 29	2160.00 30
1972	9940.00 34	8920.00 32	7720.00 30	6540.00 27	4810.00 29	3370.00 30	2920.00 30	2600.00 30	2240.00 29
1973	14700.00 27	13100.00 26	9580.00 27	7550.00 23	6240.00 19	5090.00 16	4080.00 15	3820.00 15	3800.00 8
1974	15200.00 26	12500.00 28	10200.00 25	7880.00 22	5090.00 27	4110.00 24	3890.00 20	3690.00 16	3360.00 13
1975	31000.00 9	25700.00 8	15500.00 12	9430.00 15	7550.00 11	6260.00 7	5480.00 4	4980.00 5	4110.00 5
1976	12900.00 30	10700.00 30	7390.00 31	5470.00 31	4780.00 30	3950.00 26	3530.00 25	3070.00 26	2280.00 27
1977	10300.00 33	8190.00 34	5410.00 36	4310.00 34	2850.00 35	2750.00 33	2430.00 34	1980.00 35	1460.00 35
1978	22200.00 18	20700.00 17	15900.00 10	12000.00 8	7500.00 12	4980.00 17	4420.00 14	4050.00 12	3280.00 15
1979	24900.00 14	21600.00 15	16600.00 9	13500.00 3	8150.00 6	5910.00 9	4510.00 13	4120.00 10	4010.00 6
1980	13600.00 28	12800.00 27	11400.00 23	7360.00 24	5150.00 25	4380.00 21	3490.00 26	3500.00 21	3340.00 14
1981	18800.00 22	17500.00 21	14900.00 14	9930.00 12	6610.00 16	4750.00 18	3690.00 22	3130.00 25	2450.00 23
1982	26900.00 12	22000.00 13	13400.00 19	8750.00 18	7710.00 8	6510.00 5	5220.00 6	4450.00 8	3400.00 12
1983	19700.00 20	18300.00 19	11800.00 22	7080.00 25	5320.00 24	3670.00 29	2770.00 31	2360.00 31	2080.00 32
1984	17000.00 25	15300.00 24	10200.00 26	6610.00 26	5090.00 26	4690.00 19	3970.00 18	3530.00 19	3100.00 19
1985	23200.00 16	20800.00 16	14100.00 16	8600.00 20	6300.00 18	5570.00 12	4760.00 10	4250.00 9	3630.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	2760.00 33
1950	2940.00 36
1951	2640.00 32
1952	2440.00 28
1953	1260.00 8
1954	715.00 2
1955	986.00 4
1956	1800.00 20
1957	1320.00 11
1958	2330.00 26
1959	3160.00 37
1960	1290.00 9
1961	1540.00 14
1962	2250.00 24
1963	1320.00 10
1964	1050.00 6
1965	1560.00 15
1966	1160.00 7
1967	1640.00 17
1968	1570.00 16
1969	2440.00 29
1970	1840.00 21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	2580.00 5
1950	3300.00 1
1951	2550.00 6
1952	2350.00 10
1953	1120.00 34
1954	534.00 37
1955	1130.00 33
1956	2270.00 11
1957	1790.00 21
1958	2680.00 3
1959	1950.00 18
1960	1410.00 26
1961	2100.00 16
1962	1490.00 22
1963	1310.00 30
1964	1450.00 23
1965	1310.00 31
1966	840.00 36
1967	2020.00 17
1968	2150.00 14
1969	2140.00 15
1970	1440.00 24



03364000 EAST FORK WHITE RIVER AT COLUMBUS, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	1480.00	13
1972	1000.00	5
1973	2340.00	27
1974	2260.00	25
1975	2800.00	34
1976	1720.00	18
1977	704.00	1
1978	1740.00	19
1979	2540.00	31
1980	2930.00	35
1981	1350.00	12
1982	2490.00	30
1983	980.00	3
1984	1860.00	22
1985	2190.00	23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	1320.00	29
1972	1390.00	28
1973	2680.00	4
1974	2160.00	13
1975	2410.00	8
1976	1410.00	27
1977	859.00	35
1978	2410.00	9
1979	2890.00	2
1980	2460.00	7
1981	1420.00	25
1982	1900.00	20
1983	1240.00	32
1984	1910.00	19
1985	2270.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	*	*	*	*	*	*	4159.0	1540.0	519.00	928.00	337.00	223.00
1949	262.00	1844.0	2404.0	11420.0	4778.0	4743.0	1732.0	892.00	1111.0	746.00	536.00	600.00
1950	1004.0	529.00	1480.0	14400.0	8640.0	3946.0	3341.0	1909.0	2136.0	963.00	394.00	1236.0
1951	505.00	3380.0	4017.0	4466.0	6107.0	3529.0	3833.0	1628.0	1287.0	1392.0	473.00	236.00
1952	198.00	693.00	5180.0	6232.0	4109.0	3996.0	3851.0	1461.0	1418.0	557.00	256.00	296.00
1953	245.00	275.00	671.00	1451.0	1397.0	3242.0	1480.0	2517.0	705.00	989.00	302.00	139.00
1954	144.00	180.00	229.00	515.00	526.00	829.00	2307.0	860.00	443.00	161.00	136.00	101.00
1955	173.00	172.00	331.00	1499.0	2131.0	3599.0	2005.0	1085.0	1102.0	809.00	276.00	394.00
1956	1744.0	5284.0	1191.0	562.00	5083.0	2340.0	3027.0	3239.0	2707.0	1661.0	374.00	270.00
1957	225.00	261.00	604.00	979.00	1643.0	927.00	5599.0	4546.0	3022.0	2879.0	473.00	372.00
1958	325.00	725.00	5476.0	2235.0	817.00	1303.0	1594.0	3969.0	5565.0	4990.0	3705.0	1181.0
1959	744.00	1624.0	1271.0	4918.0	5433.0	3054.0	1873.0	2452.0	1149.0	475.00	373.00	267.00
1960	298.00	664.00	1215.0	1802.0	3516.0	1486.0	1222.0	1149.0	2937.0	1933.0	501.00	342.00
1961	268.00	294.00	334.00	432.00	1124.0	7875.0	5338.0	6453.0	1487.0	627.00	478.00	322.00
1962	294.00	358.00	1124.0	3509.0	2401.0	4536.0	1407.0	1142.0	600.00	1615.0	468.00	464.00
1963	360.00	399.00	317.00	450.00	399.00	8014.0	2841.0	1051.0	653.00	546.00	421.00	179.00
1964	144.00	197.00	191.00	310.00	342.00	5639.0	7466.0	1538.0	458.00	794.00	220.00	135.00
1965	138.00	189.00	266.00	1129.0	3787.0	2926.0	4615.0	1173.0	390.00	592.00	275.00	521.00
1966	547.00	445.00	500.00	1699.0	2211.0	1153.0	873.00	1441.0	436.00	346.00	276.00	241.00
1967	261.00	1982.0	6004.0	1497.0	2280.0	4012.0	2170.0	4293.0	876.00	404.00	241.00	162.00
1968	216.00	314.00	3158.0	1543.0	4021.0	1551.0	2448.0	6501.0	2279.0	1278.0	2120.0	421.00
1969	336.00	1106.0	2590.0	4919.0	4399.0	1015.0	2744.0	1536.0	1540.0	4161.0	946.00	572.00
1970	647.00	1899.0	1295.0	1496.0	2799.0	2532.0	3646.0	1376.0	689.00	413.00	362.00	278.00
1971	356.00	494.00	820.00	1324.0	6111.0	2367.0	852.00	1376.0	1286.0	564.00	274.00	352.00
1972	360.00	315.00	1744.0	1695.0	1074.0	2081.0	4646.0	1964.0	1582.0	610.00	316.00	316.00
1973	497.00	4962.0	3467.0	2316.0	2089.0	5388.0	4514.0	1419.0	3599.0	2563.0	945.00	389.00
1974	356.00	1131.0	2536.0	4735.0	2342.0	2608.0	3643.0	2887.0	2881.0	926.00	641.00	1269.0
1975	693.00	1515.0	2958.0	4014.0	7039.0	5501.0	3521.0	1760.0	1257.0	477.00	302.00	274.00
1976	382.00	565.00	2013.0	3892.0	3853.0	2478.0	887.00	532.00	693.00	1074.0	406.00	230.00
1977	247.00	257.00	226.00	163.00	1335.0	2436.0	2475.0	1518.0	454.00	455.00	473.00	313.00
1978	1283.0	668.00	4678.0	1086.0	707.00	6551.0	2626.0	3547.0	2264.0	1790.0	2167.0	1266.0
1979	691.00	1015.0	2376.0	3302.0	4098.0	5419.0	3647.0	1436.0	1272.0	4933.0	5185.0	1321.0
1980	719.00	3984.0	4063.0	2290.0	1736.0	4472.0	3218.0	1964.0	2082.0	1555.0	2754.0	586.00
1981	335.00	353.00	416.00	306.00	1709.0	1023.0	2272.0	5899.0	2446.0	1183.0	636.00	472.00
1982	320.00	342.00	863.00	3617.0	7491.0	4625.0	1980.0	1203.0	1563.0	625.00	377.00	261.00
1983	252.00	364.00	1858.0	1171.0	1283.0	859.00	2976.0	4251.0	781.00	582.00	277.00	169.00
1984	395.00	2055.0	3211.0	933.00	2526.0	4122.0	5067.0	2292.0	880.00	687.00	446.00	314.00
1985	560.00	1750.0	3372.0	2738.0	4594.0	3782.0	4237.0	3122.0	1506.0	663.00	739.00	351.00

## WABASH RIVER BASIN

03364000 EAST FORK WHITE RIVER AT COLUMBUS, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
250.00	315.00	552.00	1033.00	1366.00	1816.00
FIFTIETH PERCENTILE					
336.00	565.00	1480.00	1695.00	2401.00	3242.00
SEVENTY FIFTH PERCENTILE					
554.00	1687.00	3185.00	3755.00	4497.00	4581.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1953.00	1333.00	692.00	562.00	296.00	240.00
FIFTIETH PERCENTILE					
2909.00	1584.00	1279.00	802.00	414.00	319.00
SEVENTY FIFTH PERCENTILE					
3928.00	3151.00	2168.00	1570.00	637.00	484.00

## 03364200 HAW CREEK NEAR CLIFFORD, IN

LOCATION.--Lat 39°16'04", long 85°51'22", in NW¼SW¼ sec.34, T.10 N., R.6 E., Bartholomew County, Hydrologic Unit 05120205, on left bank 20 ft downstream from bridge on County Road 450 North, 1.2 mi southeast of Clifford, 5.8 mi northeast of Columbus, and 7.6 mi upstream from mouth.

DRAINAGE AREA.--47.5 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1967 to September 1985.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 643.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--18 years, 50.3 ft<sup>3</sup>/s, 14.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,560 ft<sup>3</sup>/s May 24, 1968, gage height, 13.9 ft, from floodmark; no flow at times during September and October 1967 due to diversion for irrigation.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1968	3	1	1			8	4	7	6		15	17	20	10	5	6	44	31	25	32	26	26	23	13	12	12	5	2	3	2	4	2			1	
1969											1	31	24	16	9	11	33	63	50	32	20	19	16	11	8	8	3	1	3	2		3	1			
1970							22	23	12	14	17	24	22	16	11	25	26	22	30	29	23	21	8	7	4	2	4	1				1		1		
1971								12	11	16	27	34	27	20	25	34	37	19	26	21	11	17	10	3	4	2	4	3		1		1				
1972						1	6	13	19	30	39	24	18	13	8	19	22	21	26	29	22	17	9	10	7	4	7		1			1				
1973									4	13	19	25	6	6	10	17	26	27	43	31	31	30	21	19	10	11	8	6	1		1					
1974									1	8	10	10	23	21	19	18	21	18	40	41	39	33	18	14	10	7	4	5	4			1				
1975									6	18	32	16	6	11	8	6	21	36	31	32	46	33	24	13	11	3	4	4		1	2			1		
1976									10	21	17	10	17	31	30	27	41	24	32	32	22	13	12	3	5	7	5	1	2	2	1		1			
1977					1	1	7	19	19	20	22	36	34	27	24	15	13	20	18	17	20	13	10	10	11	2	2	2	1			1				
1978													3	21	27	51	37	47	37	31	29	20	9	19	10	7	8	3		2	2	1	1			
1979													10	11	19	36	37	52	53	44	29	17	14	13	6	6	6	3	4	3	2					
1980													18	33	15	32	24	27	22	38	38	26	24	19	11	18	7	2	3	5	3	1				
1981											5	32	66	55	30	20	23	20	16	14	16	18	14	8	9	8	2	6		2		1				
1982										28	23	13	26	53	17	18	28	22	18	20	24	18	16	11	10	7	4	1	2	1	2	1	1		1	
1983								24	6	35	36	17	6	5	9	13	41	37	28	27	19	11	12	10	9	6	4	4	2		1	2	1			
1984								14	8	12	17	18	13	18	13	12	26	27	15	18	20	33	37	29	17	5	8	2	1	1		2				
1985										11	27	20	20	15	9	11	11	26	29	49	26	27	28	16	15	3	10	2	2	3	4	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	3	6575	100.00	12	3.4	370	5545	84.33	24	110.0	206	629	9.57
1	0.14	1	6572	99.95	13	4.6	371	5175	78.71	25	150.0	136	423	6.43
2	0.19	1	6571	99.94	14	6.2	285	4804	73.06	26	200.0	94	287	4.37
3	0.25	0	6570	99.92	15	8.2	301	4519	68.73	27	270.0	67	193	2.94
4	0.34	1	6570	99.92	16	11.0	493	4218	64.15	28	360.0	41	126	1.92
5	0.45	9	6569	99.91	17	15.0	506	3725	56.65	29	490.0	29	85	1.29
6	0.60	12	6560	99.77	18	20.0	502	3219	48.96	30	650.0	21	56	0.85
7	0.80	104	6548	99.59	19	26.0	560	2717	41.32	31	870.0	23	35	0.53
8	1.1	96	6444	98.01	20	35.0	479	2157	32.81	32	1200.0	7	12	0.18
9	1.4	185	6348	96.55	21	47.0	440	1678	25.52	33	1600.0	3	5	0.08
10	1.9	273	6163	93.73	22	63.0	373	1238	18.83	34	2100.0	2	2	0.03
11	2.6	345	5890	89.58	23	85.0	236	865	13.16					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1.7  
P90 = 2.5  
P75 = 5.7  
P70 = 7.6  
P50 = 19.3  
P25 = 48.2  
P10 = 107.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1969	2.50 13	2.70 13	2.70 13	2.80 12	2.90 11	3.20 9	4.40 10	11.00 13	33.00 14
1970	3.10 14	3.40 14	3.60 14	3.70 14	4.20 14	5.60 13	8.50 13	15.00 14	18.00 12
1971	0.86 5	0.92 6	0.97 5	0.99 3	1.10 3	1.60 2	1.70 1	2.20 1	4.50 2
1972	0.91 7	0.91 5	0.92 4	1.00 4	1.50 6	2.60 7	3.10 7	3.10 4	4.60 3
1973	0.70 2	0.80 3	1.00 6	1.10 5	1.30 4	1.80 5	2.60 5	3.10 5	14.00 10
1974	1.60 10	1.70 10	1.80 10	2.10 9	2.60 8	3.70 10	4.60 11	8.80 11	29.00 13
1975	4.70 15	5.30 15	6.30 16	7.70 16	13.00 17	14.00 17	20.00 16	38.00 16	56.00 17
1976	1.40 8	1.50 9	1.70 9	2.10 10	2.70 9	3.00 8	3.40 8	4.70 8	12.00 8
1977	0.43 1	0.53 1	0.62 1	0.76 1	0.96 2	1.60 3	2.50 3	2.90 2	3.60 1
1978	0.81 4	0.83 4	0.88 3	1.30 7	3.60 12	9.10 14	10.00 14	11.00 12	17.00 11
1979	5.40 16	5.50 16	5.70 15	5.80 15	7.50 15	12.00 15	17.00 15	35.00 15	43.00 15
1980	8.70 17	8.80 17	8.60 17	9.40 17	10.00 16	12.00 16	25.00 17	51.00 17	45.00 16
1981	2.30 12	2.40 12	2.50 12	2.80 13	3.60 13	3.70 11	4.70 12	4.50 7	9.30 5
1982	1.80 11	1.80 11	2.00 11	2.40 11	2.90 10	3.90 12	4.40 9	4.90 9	12.00 6
1983	1.40 9	1.40 8	1.40 8	1.50 8	1.50 5	1.60 4	2.60 4	3.10 3	5.90 4
1984	0.80 3	0.80 2	0.60 2	0.85 2	0.91 1	1.40 1	1.60 2	3.50 6	12.00 7
1985	0.90 6	0.97 7	1.00 7	1.10 6	1.60 7	2.20 6	2.70 6	5.50 10	14.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1968	2140.00 1	1100.00 4	759.00 1	399.00 2	229.00 4	141.00 7	134.00 3	110.00 6	94.00 6
1969	1400.00 8	893.00 6	473.00 7	343.00 5	216.00 6	137.00 10	103.00 15	89.00 13	79.00 11
1970	1740.00 5	732.00 7	382.00 11	208.00 15	188.00 9	128.00 13	108.00 10	93.00 11	71.00 13
1971	894.00 15	445.00 18	370.00 12	229.00 14	156.00 16	98.00 17	73.00 18	60.00 18	45.00 18
1972	1410.00 7	670.00 10	401.00 8	284.00 8	182.00 11	122.00 15	101.00 16	84.00 16	71.00 14
1973	1120.00 12	550.00 15	386.00 10	264.00 10	191.00 8	157.00 3	119.00 6	104.00 8	95.00 5
1974	1500.00 6	716.00 8	356.00 13	253.00 11	171.00 14	110.00 16	105.00 13	95.00 10	83.00 10
1975	1980.00 4	1130.00 2	551.00 5	307.00 7	260.00 2	192.00 2	157.00 1	139.00 1	111.00 1
1976	1240.00 9	564.00 14	304.00 16	170.00 17	156.00 17	128.00 14	107.00 11	88.00 14	64.00 16
1977	893.00 16	501.00 17	272.00 18	168.00 18	113.00 18	93.00 18	80.00 17	66.00 17	47.00 17
1978	2080.00 3	1100.00 3	616.00 2	382.00 3	218.00 5	130.00 12	119.00 7	112.00 4	96.00 4
1979	998.00 14	647.00 11	394.00 9	371.00 4	212.00 7	139.00 8	123.00 4	106.00 7	87.00 9
1980	872.00 18	699.00 9	495.00 6	268.00 9	177.00 13	146.00 6	113.00 9	111.00 5	106.00 2
1981	1130.00 11	602.00 12	356.00 14	253.00 12	179.00 12	136.00 11	104.00 14	84.00 15	66.00 15
1982	2140.00 2	1200.00 1	590.00 3	416.00 1	286.00 1	194.00 1	153.00 2	130.00 2	92.00 7
1983	1220.00 10	1070.00 5	556.00 4	326.00 6	229.00 3	151.00 4	107.00 12	89.00 12	78.00 12
1984	1100.00 13	543.00 16	303.00 17	192.00 16	186.00 10	146.00 5	119.00 8	98.00 9	90.00 8
1985	884.00 17	593.00 13	334.00 15	239.00 13	163.00 15	139.00 9	122.00 5	116.00 3	102.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1969	68.00 13
1970	41.00 7
1971	40.00 5
1972	22.00 2
1973	59.00 11
1974	57.00 10
1975	89.00 17
1976	40.00 6
1977	14.00 1
1978	56.00 8
1979	68.00 14
1980	71.00 16
1981	27.00 4
1982	69.00 15
1983	24.00 3
1984	56.00 9
1985	63.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1968	63.00 5
1969	50.00 10
1970	38.00 14
1971	26.00 17
1972	39.00 13
1973	65.00 3
1974	63.00 6
1975	63.00 7
1976	36.00 15
1977	26.00 18
1978	71.00 1
1979	65.00 2
1980	64.00 4
1981	36.00 16
1982	48.00 11
1983	42.00 12
1984	51.00 9
1985	58.00 8

03364200 HAW CREEK NEAR CLIFFORD, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	*	*	*	*	*	*	*	*	*	*	2.04	1.07
1968	0.73	2.94	106.00	55.00	57.80	52.40	65.00	209.00	63.30	84.40	50.50	4.05
1969	3.01	13.00	61.60	180.00	60.30	18.50	69.50	79.00	22.60	69.50	11.20	12.70
1970	5.89	30.90	23.20	46.70	54.40	65.70	188.00	34.00	7.31	2.58	1.97	1.18
1971	3.89	14.10	18.20	23.10	158.00	44.90	14.50	22.30	11.30	5.04	2.35	3.29
1972	3.95	2.97	61.80	34.30	34.10	64.80	178.00	50.50	31.20	5.05	2.06	2.32
1973	3.74	62.60	94.40	57.50	44.70	173.00	133.00	26.00	76.70	89.30	14.10	2.64
1974	5.22	25.40	54.00	136.00	61.10	65.30	83.30	88.90	32.40	13.20	19.00	171.00
1975	30.50	74.00	87.00	91.00	201.00	182.00	43.20	21.40	30.20	5.07	3.03	3.18
1976	12.90	23.90	85.90	127.00	102.00	29.60	11.70	7.16	13.50	6.80	10.00	1.47
1977	2.67	4.70	3.55	0.96	37.50	75.00	99.60	45.50	9.84	10.90	20.60	3.86
1978	36.40	23.10	157.00	38.80	16.70	205.00	38.80	103.00	68.00	41.20	93.50	17.50
1979	15.20	22.50	95.50	85.50	118.00	122.00	67.20	29.00	23.50	122.00	68.30	13.50
1980	10.80	158.00	130.00	46.70	40.30	145.00	94.40	74.20	22.90	12.40	31.00	6.25
1981	3.64	5.04	5.69	3.70	47.60	19.10	79.00	156.00	61.50	20.30	25.20	4.19
1982	4.00	5.55	23.10	205.00	142.00	105.00	54.40	22.40	12.60	7.13	4.46	1.77
1983	1.85	8.27	85.50	37.20	32.40	14.50	108.00	187.00	17.30	5.55	2.62	0.98
1984	14.60	70.90	88.30	19.70	52.60	106.00	184.00	47.70	15.10	13.60	2.97	1.87
1985	4.89	56.90	130.00	62.40	123.00	123.00	70.10	93.30	19.40	11.70	4.20	2.33

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

3.48	5.42	23.19	31.50	39.60	41.10
------	------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

4.44	22.80	85.70	50.80	56.10	70.30
------	-------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

13.30	58.30	98.10	100.00	119.00	129.00
-------	-------	-------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

51.60	25.10	13.30	5.43	2.62	1.77
-------	-------	-------	------	------	------

## FIFTIETH PERCENTILE

74.50	49.10	22.69	12.10	10.00	3.18
-------	-------	-------	-------	-------	------

## SEVENTY FIFTH PERCENTILE

114.00	95.70	39.70	48.30	25.19	6.25
--------	-------	-------	-------	-------	------

## 03364500 CLIFTY CREEK AT HARTSVILLE, IN

LOCATION.--Lat 39°16'25", long 85°42'10", in NW¼NW¼ sec.36, T.10 N., R.7 E., Bartholomew County, Hydrologic Unit 05120206, at downstream side of left abutment of county highway bridge, 0.2 mi north of Hartsville, 5.9 mi upstream from Duck Creek, and at mile 20.0.

DRAINAGE AREA.--91.4 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 677.34 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 24, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 97.2 ft<sup>3</sup>/s, 14.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,300 ft<sup>3</sup>/s Jan. 21, 1959, gage height, 14.29 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached an elevation of 702.4 ft National Geodetic Vertical Datum of 1929, from floodmarks, upstream from bridge.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1949	1					4		6	4	1	1	7	18	26	14	16	13	13	23	21	26	28	45	22	24	14	9	7	8	6	4	3	1			
1950													2	10	12	11	22	34	31	17	35	28	36	39	21	27	8	14	7	2	5	3	1			
1951	12					2		6	5	9	6	3	1	6	3	8	11	27	30	21	26	33	37	31	24	27	19	6	6	3	2	1				
1952	27				10		3	8	8	7	9	12	14	8	13	6	9	16	21	19	18	42	36	25	20	19	7	4	3			2				
1953	46				5		19	10	6	8	5	9	14	14	8	10	8	24	15	43	34	22	26	15	8	12	2	2								
1954	181				1		1	2		1	5	19	3	7	24	17	21	34	16	17	12	3	1													
1955	110						1			1	5	2	2	1	3	9	15	26	22	35	37	37	23	12	11	8	4	1								
1956	3				2		3	1	5	5	1	3	8	11	6	11	14	39	38	49	33	33	38	34	12	5	4	2	3	3						
1957	5				5		4	5	3	12	19	14	21	20	6	6	4	23	28	38	47	42	22	17	6	6	7	1	1	1	2					
1958					3		5	5		7	5	7	8	4	1	3	4	17	45	53	45	47	35	29	19	11	4	5	2	1						
1959	5				1		3	1	5	6	18	9	7	16	16	15	12	44	25	46	36	33	29	22	9	1	1	1	1	2					1	
1960													13	21	7	14	24	25	59	41	40	37	33	24	15	5	3	2	1	1	1					
1961	3				2		2	1	14	3	18	21	19	32	40	33	17	15	20	17	20	17	15	13	15	12	10	3			2				1	
1962							7	6	9	4	19	34	25	17	24	27	28	35	42	23	27	14	9	6	3	2	3	1								
1963	8				2		1	1	1	8	10	6	12	18	37	39	27	46	39	25	21	22	15	11	6	5	2	1					1	1		
1964	88				7		2	2	5	13	19	11	28	15	21	34	22	17	10	6	9	13	13	9	8	5	4			2	1	1	1			
1965	65						3	2	7	17	22	13	13	29	15	23	20	20	26	23	23	14	14	9	2	4										
1966	13				6		3	1	2	4	3	6	16	12	15	43	33	24	46	44	35	20	13	14	7	1	3	1								
1967	49			1	1	1	1	2	1	1	7	5	9	13	25	13	12	13	23	42	38	30	25	24	12	5	6	3	2	1						
1968	32										2	10	10	10	4	9	17	36	46	34	26	32	28	32	14	7	7	4	3	2					1	
1969											5	2	9	10	35	10	12	24	36	64	51	28	28	23	11	8	4	1	1	3						
1970				1	1	4	3	6	8	7	12	14	10	24	26	18	15	17	41	28	41	31	23	17	9	1	4	1	2						1	
1971				2	6	3		3	4	5	6	6	10	16	48	29	31	49	36	35	21	19	14	9	6	1	4	1							1	
1972	42				1	1	2	2	2	1	6	8	5	3	14	27	33	29	37	40	40	31	19	8	10	4									1	
1973							1		1	9	20	18	6	9	5	11	11	10	50	46	39	42	36	27	23	13	8	2	1							
1974								1			3	25	9	15	15	8	12	18	42	50	57	32	27	23	13	9	3	1	2							
1975	6		2	1	5	2	4	4	3	4	6	6	7	20	16	5	6	3	17	23	42	32	52	39	24	19	9	3	2	1	1	1				
1976	3	1	2	1	4	4	2	2	8	7	5	11	8	14	17	17	25	46	39	18	37	33	25	8	10	8	3	6			2					
1977				2	2	1		6	7	5	17	21	41	22	28	28	18	32	22	26	24	26	13	13	5	2	1	3								
1978													1	6	2	8	6	33	46	53	66	37	23	28	26	12	8	5	1	2	2					
1979													10	3	2	29	36	32	53	59	43	34	23	18	4	11	2	5						1		
1980										1	1	4	4	10	13	11	13	30	34	46	51	37	46	22	18	11	4	6	4							
1981											2	3	13	41	48	34	26	15	30	24	27	22	30	14	15	12	4	4	1							
1982		1	11		2	1	2	4	1	3	10	18	20	22	29	11	22	9	12	23	25	30	29	19	15	9	1	3	2	1	1					
1983	29	10	12	1		2	3	6	6	10	8	14	5	2	8	10	9	6	34	39	40	36	24	18	16	9	1	4						3		
1984	13					1	5	3	5	2	7	12	12	11	16	15	14	26	18	29	40	38	34	27	20	10	3	2	2	1						
1985				1	3	2	9	7	2	1	4	3	4	5	5	20	17	10	15	39	34	41	35	32	20	23	16	6	6	2	3					

## 03364500 CLIFTY CREEK AT HARTSVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	741	13514	100.00	12	1.3	334	11891	87.99	24	160.0	717	1895	14.02
1	0.01	12	12773	94.52	13	1.9	517	11557	85.52	25	240.0	500	1178	8.72
2	0.02	27	12761	94.43	14	2.9	516	11040	81.69	26	360.0	278	678	5.02
3	0.03	5	12734	94.23	15	4.3	601	10524	77.87	27	550.0	179	400	2.96
4	0.05	20	12729	94.19	16	6.4	624	9923	73.43	28	820.0	94	221	1.64
5	0.08	71	12709	94.04	17	9.6	626	9299	68.81	29	1200.0	56	127	0.94
6	0.11	30	12638	93.52	18	14.0	1017	8673	64.18	30	1800.0	45	71	0.53
7	0.17	92	12608	93.30	19	22.0	1030	7656	56.65	31	2700.0	19	26	0.19
8	0.25	89	12516	92.62	20	32.0	1318	6626	49.03	32	4100.0	7	7	0.05
9	0.38	122	12427	91.96	21	48.0	1288	5308	39.28	33	6200.0	0	0	0.00
10	0.57	149	12305	91.05	22	72.0	1180	4020	29.75	34				
11	0.85	265	12156	89.95	23	110.0	945	2840	21.02					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.01
P90 =	0.84
P75 =	5.7
P70 =	8.8
P50 =	30.7
P25 =	92.7
P10 =	221.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.77 10	1.40 13	16.00 26	17.00 18
1950	0.80 27	0.97 28	1.19 28	1.60 27	5.80 32	14.00 32	28.00 33	36.00 31	57.00 32
1951	1.60 33	1.90 32	2.20 32	3.00 33	5.30 31	11.00 30	24.00 31	43.00 33	55.00 31
1952	0.00 2	0.00 2	0.00 2	0.04 14	0.10 11	0.20 7	0.80 7	6.40 20	26.00 23
1953	0.00 3	0.00 3	0.00 3	0.09 15	0.19 13	0.72 9	1.10 8	1.19 5	7.80 9
1954	0.00 4	0.00 4	0.00 4	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	1.50 2
1955	0.00 5	0.00 5	0.00 5	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	0.04 1
1956	0.00 6	0.00 6	0.00 6	0.00 4	0.03 10	8.60 29	33.00 35	46.00 34	52.00 29
1957	0.00 7	0.00 7	0.13 19	0.27 19	0.55 15	1.30 15	2.10 15	2.80 9	15.00 15
1958	0.00 8	0.00 8	0.06 17	0.24 16	0.77 16	1.00 13	1.30 11	5.60 18	46.00 27
1959	7.70 37	9.20 37	12.00 37	13.00 37	15.00 35	22.00 35	27.00 32	39.00 32	67.00 33
1960	0.00 9	0.00 9	0.04 16	0.24 17	0.91 18	2.80 21	4.70 23	5.10 16	8.70 10
1961	0.50 25	0.50 25	0.50 22	0.64 21	1.10 19	1.60 16	2.00 14	2.80 10	6.50 8
1962	0.00 10	0.03 19	0.14 20	0.27 18	1.10 20	2.00 17	2.90 17	5.10 17	11.00 13
1963	1.19 31	2.10 33	2.60 33	2.90 32	4.10 30	6.20 26	8.00 26	9.10 22	15.00 14
1964	0.00 11	0.00 10	0.00 7	0.00 5	0.00 4	0.17 6	0.69 6	0.90 4	5.10 5
1965	0.00 12	0.00 11	0.00 8	0.00 6	0.00 5	0.00 3	0.00 3	0.00 3	1.60 3
1966	0.40 24	0.40 23	0.66 23	1.30 25	3.10 28	12.00 31	14.00 29	15.00 24	18.00 19
1967	0.00 13	0.00 12	0.00 9	0.00 7	2.20 24	3.10 23	3.90 19	6.90 21	16.00 16
1968	0.00 14	0.00 13	0.00 10	0.00 8	0.00 6	0.00 4	0.03 4	1.30 6	6.10 7
1969	1.00 29	1.00 29	1.70 31	1.90 30	2.20 25	5.40 24	6.90 25	29.00 30	78.00 34
1970	1.19 32	1.19 31	1.60 30	2.40 31	3.70 29	5.40 25	5.90 24	17.00 27	26.00 24
1971	0.06 20	0.07 20	0.09 18	0.28 20	0.80 17	2.90 22	4.00 21	4.10 14	5.80 6
1972	0.16 21	0.26 21	0.69 24	0.73 22	2.20 26	6.50 27	9.90 28	15.00 25	20.00 21
1973	0.00 15	0.00 14	0.00 11	0.00 9	0.00 7	0.32 8	1.10 9	2.60 8	26.00 25
1974	0.30 23	0.46 24	1.19 29	1.80 29	2.30 27	2.70 19	3.90 20	9.90 23	53.00 30
1975	2.30 34	3.40 35	6.60 35	7.90 35	19.00 37	28.00 36	65.00 37	94.00 36	100.00 37
1976	0.00 16	0.00 15	0.00 12	0.03 12	0.46 14	0.90 12	1.30 12	3.00 11	10.00 11
1977	0.00 17	0.00 16	0.01 15	0.04 13	0.15 12	0.80 11	2.40 16	3.20 12	4.00 4
1978	1.00 30	1.00 30	1.10 26	1.70 28	11.00 34	16.00 33	20.00 30	20.00 29	51.00 28
1979	2.60 35	2.80 34	3.10 34	3.20 34	6.10 33	19.00 34	31.00 34	64.00 35	83.00 35
1980	5.50 36	6.10 36	11.00 36	13.00 36	18.00 36	30.00 37	64.00 36	110.00 37	94.00 36
1981	0.57 26	0.71 26	1.10 27	1.60 26	2.10 23	2.80 20	4.20 22	4.90 15	16.00 17
1982	0.87 28	0.87 27	0.88 25	1.10 24	1.40 22	2.40 18	3.00 18	3.80 13	18.00 20
1983	0.00 18	0.00 17	0.00 13	0.00 10	0.00 8	0.11 5	0.45 5	1.50 7	11.00 12
1984	0.00 19	0.00 18	0.00 14	0.00 11	0.00 9	1.30 14	1.19 10	6.10 19	22.00 22
1985	0.20 22	0.26 22	0.40 21	0.89 23	1.19 21	6.50 28	9.80 27	18.00 28	37.00 26

## 03364500 CLIFTY CREEK AT HARTSVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	6160.00 2	3560.00 1	1630.00 2	971.00 2	902.00 1	591.00 2	519.00 2	419.00 2	320.00 2
1950	5620.00 3	3040.00 2	1910.00 1	1370.00 1	885.00 2	728.00 1	535.00 1	473.00 1	344.00 1
1951	2710.00 15	1290.00 21	954.00 15	586.00 15	470.00 11	354.00 8	302.00 5	299.00 4	267.00 3
1952	3510.00 12	2480.00 7	1280.00 8	818.00 6	528.00 4	432.00 3	349.00 4	327.00 3	249.00 4
1953	915.00 35	639.00 35	460.00 33	330.00 34	221.00 34	180.00 33	156.00 31	129.00 32	122.00 29
1954	138.00 37	93.00 37	59.00 37	50.00 37	41.00 37	31.00 37	27.00 37	24.00 37	18.00 37
1955	1070.00 32	675.00 33	531.00 31	382.00 30	277.00 31	205.00 30	156.00 32	132.00 31	112.00 30
1956	2360.00 21	1370.00 18	685.00 26	382.00 31	301.00 26	234.00 25	217.00 21	198.00 18	166.00 18
1957	3370.00 13	1720.00 14	995.00 13	548.00 16	320.00 23	292.00 14	230.00 16	213.00 14	178.00 13
1958	2410.00 19	1350.00 19	862.00 17	509.00 19	344.00 21	271.00 19	232.00 15	211.00 15	165.00 19
1959	6180.00 1	2910.00 4	1340.00 4	703.00 10	559.00 3	365.00 5	274.00 10	223.00 11	169.00 17
1960	2030.00 24	1250.00 23	600.00 30	404.00 27	228.00 33	140.00 35	104.00 35	100.00 36	100.00 33
1961	4200.00 7	2320.00 9	1190.00 9	731.00 8	524.00 5	363.00 6	363.00 3	286.00 5	196.00 7
1962	1830.00 28	1240.00 24	680.00 28	450.00 24	377.00 17	260.00 23	229.00 17	192.00 22	139.00 24
1963	4290.00 6	2570.00 5	1180.00 10	705.00 9	494.00 7	300.00 11	217.00 22	173.00 26	124.00 28
1964	4760.00 4	2970.00 3	1480.00 3	836.00 5	524.00 6	418.00 4	288.00 8	220.00 12	147.00 22
1965	2360.00 20	1260.00 22	728.00 24	403.00 28	316.00 24	245.00 24	244.00 14	201.00 16	139.00 25
1966	882.00 36	657.00 34	414.00 34	254.00 35	171.00 35	116.00 36	103.00 36	101.00 35	87.00 35
1967	1920.00 26	1140.00 26	735.00 22	459.00 23	298.00 27	219.00 28	206.00 26	179.00 24	165.00 20
1968	4450.00 5	2350.00 8	1320.00 5	748.00 7	471.00 10	302.00 10	285.00 9	231.00 9	187.00 11
1969	2490.00 18	1510.00 17	793.00 19	603.00 14	390.00 15	262.00 22	217.00 23	173.00 25	157.00 21
1970	3670.00 9	1520.00 16	773.00 20	422.00 26	358.00 19	266.00 21	217.00 24	193.00 20	144.00 23
1971	1970.00 25	947.00 29	755.00 21	443.00 25	304.00 25	196.00 31	145.00 33	117.00 33	90.00 34
1972	2170.00 23	1110.00 27	638.00 29	460.00 22	298.00 28	213.00 29	170.00 29	152.00 28	137.00 26
1973	1620.00 29	1100.00 28	714.00 25	521.00 18	370.00 18	289.00 15	226.00 18	198.00 17	174.00 15
1974	2540.00 17	1310.00 20	734.00 23	478.00 21	295.00 29	220.00 27	211.00 25	192.00 21	187.00 12
1975	3560.00 11	2150.00 11	1040.00 12	613.00 13	462.00 13	355.00 7	295.00 6	260.00 6	203.00 6
1976	1560.00 31	894.00 31	684.00 27	392.00 29	294.00 30	229.00 26	186.00 28	152.00 29	106.00 32
1977	993.00 33	681.00 32	392.00 36	251.00 36	170.00 36	153.00 34	141.00 34	113.00 34	82.00 36
1978	3660.00 10	2260.00 10	1300.00 6	839.00 4	469.00 12	284.00 16	245.00 13	223.00 10	193.00 8
1979	3360.00 14	1980.00 13	1080.00 11	859.00 3	473.00 9	295.00 12	254.00 12	219.00 13	176.00 14
1980	1570.00 30	1200.00 25	929.00 16	507.00 20	353.00 20	283.00 17	220.00 19	196.00 19	192.00 9
1981	923.00 34	568.00 36	414.00 35	349.00 32	254.00 32	190.00 32	158.00 30	135.00 30	107.00 31
1982	3800.00 8	2030.00 12	993.00 14	690.00 11	475.00 8	346.00 9	288.00 7	245.00 8	188.00 10
1983	2630.00 16	2570.00 6	1280.00 7	677.00 12	428.00 14	267.00 20	189.00 27	158.00 27	134.00 27
1984	1870.00 27	931.00 30	530.00 32	347.00 33	322.00 22	276.00 18	219.00 20	185.00 23	171.00 16
1985	2210.00 22	1620.00 15	853.00 18	530.00 17	382.00 16	292.00 13	256.00 11	248.00 7	224.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	182.00 36
1950	182.00 37
1951	164.00 34
1952	144.00 32
1953	66.00 12
1954	27.00 2
1955	45.00 3
1956	92.00 20
1957	74.00 13
1958	114.00 25
1959	156.00 33
1960	46.00 4
1961	83.00 19
1962	111.00 24
1963	65.00 11
1964	60.00 8
1965	74.00 14
1966	64.00 9
1967	78.00 16
1968	79.00 17
1969	142.00 30
1970	80.00 18

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	188.00 2
1950	197.00 1
1951	150.00 4
1952	136.00 5
1953	64.00 31
1954	9.00 37
1955	65.00 29
1956	115.00 13
1957	96.00 19
1958	122.00 11
1959	91.00 20
1960	64.00 30
1961	101.00 15
1962	80.00 22
1963	67.00 28
1964	74.00 26
1965	76.00 24
1966	49.00 35
1967	90.00 21
1968	128.00 9
1969	100.00 16
1970	76.00 25



## 03364500 CLIFTY CREEK AT HARTSVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	76.00 15
1972	53.00 7
1973	105.00 21
1974	107.00 23
1975	173.00 35
1976	65.00 10
1977	24.00 1
1978	122.00 27
1979	135.00 28
1980	138.00 29
1981	52.00 6
1982	119.00 26
1983	46.00 5
1984	106.00 22
1985	143.00 31

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	51.00 34
1972	78.00 23
1973	119.00 12
1974	131.00 7
1975	111.00 14
1976	58.00 32
1977	46.00 36
1978	152.00 3
1979	131.00 8
1980	122.00 10
1981	57.00 33
1982	98.00 18
1983	72.00 27
1984	100.00 17
1985	135.00 6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	*	*	*	*	*	*	198.00	43.40	3.69	56.40	2.19	1.38
1949	1.33	248.00	251.00	874.00	255.00	248.00	43.80	11.90	51.90	196.00	9.66	58.50
1950	61.00	17.10	169.00	857.00	551.00	172.00	209.00	87.90	112.00	36.40	6.35	109.00
1951	20.70	257.00	272.00	295.00	340.00	234.00	210.00	41.10	70.80	67.00	2.98	0.27
1952	0.35	50.80	317.00	469.00	243.00	251.00	143.00	63.10	87.70	7.33	1.26	2.18
1953	0.21	3.47	33.20	202.00	86.70	163.00	55.10	179.00	26.80	11.10	7.52	0.00
1954	0.00	0.00	0.13	10.40	7.17	21.10	34.00	24.20	11.00	0.00	0.00	0.00
1955	0.00	0.00	11.40	55.40	200.00	213.00	58.10	52.90	62.10	97.30	5.14	35.60
1956	58.40	252.00	46.20	32.60	299.00	125.00	216.00	157.00	107.00	89.10	5.52	2.41
1957	0.83	4.01	43.60	73.00	141.00	58.50	291.00	284.00	108.00	149.00	5.45	1.30
1958	1.16	28.50	292.00	97.80	39.50	57.90	112.00	314.00	209.00	150.00	120.00	28.50
1959	15.70	52.60	58.30	387.00	292.00	145.00	69.30	53.50	10.60	8.10	2.79	3.66
1960	8.11	20.60	70.50	89.90	149.00	66.60	51.30	41.90	164.00	87.50	26.50	2.38
1961	1.18	2.85	5.16	20.60	124.00	465.00	201.00	324.00	40.60	13.90	5.50	3.84
1962	2.45	9.85	70.50	208.00	207.00	253.00	64.50	30.00	18.30	74.80	7.64	16.70
1963	7.78	11.30	10.60	33.40	49.20	453.00	131.00	45.90	24.60	10.50	22.20	1.20
1964	0.00	1.30	1.62	15.00	11.50	453.00	360.00	33.30	4.79	6.40	0.34	0.00
1965	0.00	0.00	4.08	82.40	238.00	176.00	314.00	37.50	4.64	40.60	10.50	17.30
1966	22.80	12.30	29.80	87.00	149.00	54.40	68.10	134.00	17.20	15.50	4.14	2.68
1967	5.23	65.00	231.00	48.10	92.70	243.00	71.00	288.00	20.90	5.27	0.33	0.00
1968	0.00	11.20	230.00	111.00	92.60	108.00	113.00	424.00	165.00	131.00	138.00	2.41
1969	8.40	66.10	175.00	316.00	117.00	33.60	96.20	176.00	71.20	120.00	15.90	5.94
1970	6.81	41.80	47.80	108.00	104.00	162.00	358.00	61.80	16.60	4.18	7.01	1.01
1971	5.35	10.70	19.40	43.90	309.00	94.80	25.40	40.60	45.10	19.50	4.70	13.50
1972	27.90	13.20	153.00	94.60	63.50	133.00	292.00	81.20	66.80	8.63	0.62	0.11
1973	2.48	143.00	131.00	109.00	97.20	336.00	228.00	48.70	164.00	153.00	18.80	2.37
1974	3.12	54.90	113.00	268.00	121.00	110.00	193.00	243.00	136.00	21.90	48.80	261.00
1975	43.40	106.00	152.00	190.00	406.00	301.00	80.80	33.70	30.60	3.16	0.90	1.26
1976	13.00	16.20	110.00	204.00	232.00	56.10	17.70	10.90	28.20	5.01	10.50	0.37
1977	2.16	6.79	3.54	1.47	75.40	128.00	130.00	110.00	12.80	21.50	26.20	32.70
1978	183.00	60.10	326.00	69.50	33.80	440.00	98.00	173.00	87.70	108.00	194.00	32.30
1979	28.00	47.70	162.00	171.00	309.00	221.00	121.00	40.50	54.40	231.00	169.00	26.70
1980	34.70	353.00	209.00	89.80	70.00	251.00	183.00	89.80	63.60	30.40	86.60	6.11
1981	2.77	6.16	8.11	3.74	93.50	50.20	118.00	227.00	86.30	57.80	26.70	2.76
1982	2.52	5.52	59.30	386.00	240.00	218.00	86.30	105.00	49.50	25.90	1.45	0.36
1983	0.03	11.20	113.00	65.80	71.50	25.30	142.00	373.00	36.80	19.10	2.50	0.22
1984	14.90	138.00	188.00	37.50	84.80	228.00	315.00	103.00	37.40	40.10	8.80	6.45
1985	48.20	226.00	312.00	117.00	277.00	236.00	121.00	213.00	55.10	23.40	4.62	0.37

## WABASH RIVER BASIN

03364500 CLIFTY CREEK AT HARTSVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.99	6.47	24.60	46.00	80.10	80.70
FIFTIETH PERCENTILE					
5.23	17.10	110.00	94.60	124.00	172.00
SEVENTY FIFTH PERCENTILE					
21.69	65.50	199.00	206.00	249.00	250.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
69.00	41.00	20.19	10.00	2.72	0.37
FIFTIETH PERCENTILE					
121.00	84.50	50.70	28.10	6.68	2.41
SEVENTY FIFTH PERCENTILE					
209.00	188.00	87.70	91.10	23.19	16.80

## 03365000 SAND CREEK NEAR BREWERSVILLE, IN

LOCATION.--Lat 39°05'03", long 85°39'32", in NW¼NE¼ sec.5, T.7 N., R.8 E., Jennings County, Hydrologic Unit 05120206, on left bank at downstream side of county highway bridge, 2.5 mi west of Brewersville, 5.7 mi upstream from Myalooosing Creek, and 16.0 mi upstream from mouth.

DRAINAGE AREA.--155 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 629.13 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 6, 1952, nonrecording gage at site 1.7 mi upstream at datum approximately 8 ft higher.

AVERAGE DISCHARGE.--37 years, 173 ft<sup>3</sup>/s, 15.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,900 ft<sup>3</sup>/s Jan. 21, 1959, gage height, 21.70 ft inside, 22.20 ft outside, from rating curve extended above 6,500 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow; no flow at times during 1948, 1949, 1953-55, 1964, 1965, 1967.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1949	18									1		4	2	13	16	10	31	28	22	18	31	43	31	33	25	13	4	5	6	3	6	1	1		
1950																4	21	40	25	24	32	42	41	34	32	21	10	10	16	5	6	1	1		
1951											1	25	12	11	13	10	26	19	11	8	24	60	38	29	18	29	8	10	8	2	1	1	1		
1952										9	21	21	15	9	17	14	12	13	12	28	23	43	31	20	17	23	17	6	11	1	2	1			
1953	22					2	5	11	4	11	21	12	14	17	14	17	12	29	17	31	41	32	18	13	7	5	6	3	1						
1954	116					2	4	6	5	7	6	4	25	41	14	14	27	22	39	13	11	3	3	2	1										
1955	29					3			1	1		10	21	32	27	6	11	36	32	27	32	25	26	15	9	8	3	5	4	2					
1956											2	2	7	3	12	12	7	33	45	59	41	33	26	30	21	12	9	4	4	2	2				
1957									4	3	2	17	13	17	24	13	18	10	31	37	33	52	32	15	11	7	9	7	5	2	1	2			
1958								6	4	3	2	1	7	7	6	5	17	19	40	56	49	32	36	32	8	12	9	7	4	3					
1959												2	5	15	12	11	28	23	31	47	43	44	25	34	18	14	4	4	2	1			1		1
1960													5	13	10	4	16	32	37	51	57	48	29	33	12	6	6	1	4	1				1	
1961												5	6	17	65	44	13	54	25	20	16	23	14	15	13	8	9	8	4	2	3	1			
1962													15	19	21	33	41	33	32	41	46	28	17	15	8	4	3	6	1	2					
1963										2	2		3	11	7	17	39	69	59	34	32	22	20	20	9	6	5	3	2	2		1			
1964	16					20		5	15	5	16	18	28	28	21	30	12	20	22	16	13	18	15	7	6	5	5						2		
1965	40								1				8	29	14	26	43	19	22	25	24	31	28	13	12	15	6	6	2	1					
1966											1	9	9	10	14	19	56	46	36	38	34	32	13	13	12	10	7	1	4	1					
1967	6	2	1	3	3	5	2	4	1	1	4	10	9	13	16	19	15	27	19	30	40	35	24	25	13	16	11	3	3	4	1				
1968						3	1	3	1	2			1	2	8	25	24	14	21	39	42	26	39	27	24	21	13	15	7	5	2				1
1969															30	19	16	16	19	33	38	35	51	28	21	23	15	10	6	1	2	1	1		
1970											2	20	27	22	24	17	24	22	29	27	33	32	22	19	23	7	7	3	1	2			2		
1971								3	2	2	3		2	8	19	20	25	41	45	53	34	25	24	24	13	12	5	4			1				
1972													5	13	16	11	15	38	23	24	38	49	39	38	21	18	6	6	5			1			
1973													13	14	18	20	14	9	11	33	43	43	40	36	30	18	13	8	2						
1974													12	25	17	21	11	20	27	58	47	45	25	21	17	13	4	2							
1975													3	5	19	19	22	11	26	22	20	41	50	52	34	17	11	6	1	3			3		
1976														6	21	26	29	37	37	44	31	51	30	18	14	6	8	4	2	1	1				
1977													3	16	52	44	48	28	19	42	28	25	20	16	14	4	4	1	1						
1978														5	4	8	16	43	26	97	53	30	25	26	14	3	10	2		1	1	1			
1979															2	9	4	25	50	38	68	45	32	28	17	18	13	11	4			1			
1980															11	15	10	25	58	34	60	36	35	27	21	14	10	6	4						
1981														5	27	53	54	41	33	27	31	28	24	13	12	9	3	3	1			1			
1982														9	11	9	43	38	19	42	36	37	38	26	22	12	10	6	4	1		2			
1983									2	7	11	11	15	24	24	17	12	17	15	35	46	43	30	20	11	8	7	4	2	2	2				
1984										1	2	3		7	6	22	17	24	36	23	33	40	39	43	25	17	13	10	2	2	1				
1985														3	12	10	24	20	26	39	39	48	35	42	23	14	13	7	4	5	1				

## 03365000 SAND CREEK NEAR BREWERSVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	247	13514	100.00	12	1.6	214	12824	94.89	24	250.0	691	2039	15.09
1	0.01	2	13267	98.17	13	2.4	433	12610	93.31	25	380.0	498	1348	9.97
2	0.02	1	13265	98.16	14	3.7	595	12177	90.11	26	580.0	333	850	6.29
3	0.04	3	13264	98.15	15	5.6	616	11582	85.70	27	880.0	218	517	3.83
4	0.05	3	13261	98.13	16	8.5	838	10966	81.15	28	1300.0	161	299	2.21
5	0.08	35	13258	98.11	17	13.0	1005	10128	74.94	29	2100.0	74	138	1.02
6	0.13	3	13223	97.85	18	20.0	1013	9123	67.51	30	3100.0	35	64	0.47
7	0.19	21	13220	97.82	19	30.0	1219	8110	60.01	31	4800.0	20	29	0.21
8	0.29	51	13199	97.67	20	46.0	1217	6891	50.99	32	7300.0	7	9	0.07
9	0.45	47	13148	97.29	21	70.0	1534	5674	41.99	33	11000.0	2	2	0.01
10	0.68	87	13101	96.94	22	110.0	1130	4140	30.63	34				
11	1.0	190	13014	96.30	23	160.0	971	3010	22.27					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	1.6
P90 =	3.7
P75 =	13.0
P70 =	17.7
P50 =	48.6
P25 =	144.0
P10 =	379.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.26 3	2.50 7	13.00 14	20.00 13
1950	2.60 24	3.30 28	3.70 29	4.60 28	9.30 28	24.00 31	61.00 31	67.00 31	79.00 29
1951	7.00 34	7.90 34	9.20 34	14.00 35	31.00 36	74.00 37	127.00 36	126.00 35	142.00 34
1952	0.50 12	0.50 12	0.54 10	0.61 10	0.76 7	1.80 7	1.90 4	7.90 9	28.00 16
1953	0.40 10	0.40 10	0.40 7	0.57 9	1.10 8	2.20 8	4.30 9	6.30 7	15.00 7
1954	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.45 1	2.70 2
1955	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.54 4	1.40 3	1.60 3	2.10 1
1956	0.00 4	0.00 4	0.00 4	0.00 4	3.00 13	9.20 21	18.00 27	26.00 26	35.00 18
1957	0.60 13	0.77 13	1.19 14	1.70 14	2.30 12	3.40 9	15.00 25	16.00 20	35.00 19
1958	0.30 7	0.37 8	0.41 8	0.56 7	2.00 11	4.40 12	5.40 11	10.00 11	92.00 30
1959	11.00 36	12.00 36	13.00 36	16.00 36	29.00 35	67.00 35	69.00 32	84.00 32	150.00 35
1960	1.10 15	1.30 15	1.70 16	2.30 16	6.20 23	11.00 24	13.00 21	15.00 15	18.00 12
1961	2.20 21	2.20 21	2.30 19	2.60 17	3.10 14	4.20 11	4.50 10	7.20 8	16.00 8
1962	1.30 16	1.30 16	1.40 15	1.80 15	6.60 25	11.00 25	13.00 22	15.00 16	18.00 9
1963	2.40 22	2.50 22	2.60 20	3.30 21	5.40 22	10.00 23	13.00 23	15.00 17	21.00 14
1964	0.30 8	0.33 7	0.44 9	0.57 8	0.68 6	1.60 6	2.30 6	2.70 4	12.00 5
1965	0.00 5	0.00 5	0.00 5	0.00 5	0.00 4	0.03 2	0.10 2	0.78 2	4.00 3
1966	1.90 19	2.00 17	2.60 21	3.20 19	6.30 24	12.00 26	12.00 20	15.00 18	18.00 10
1967	0.90 14	1.00 14	1.10 13	1.40 13	4.00 18	5.00 14	9.00 16	11.00 12	22.00 15
1968	0.00 6	0.00 6	0.00 6	0.04 6	0.15 5	0.88 5	2.20 5	3.90 5	12.00 6
1969	2.90 26	3.00 25	3.10 23	3.70 24	3.90 17	5.10 15	8.10 14	36.00 28	69.00 26
1970	2.60 25	2.70 23	3.00 22	3.30 20	3.50 15	7.90 19	9.60 17	25.00 24	41.00 21
1971	0.35 9	0.39 9	0.59 12	1.19 12	1.50 10	3.50 10	3.50 8	4.30 6	8.60 4
1972	3.10 27	3.40 29	3.60 28	4.40 26	13.00 31	23.00 30	40.00 30	43.00 29	48.00 25
1973	1.90 20	2.00 18	2.20 17	3.40 22	3.70 16	6.50 17	17.00 26	27.00 27	70.00 27
1974	3.10 28	3.10 26	3.20 24	3.40 23	5.10 20	6.20 16	7.20 12	16.00 21	95.00 31
1975	6.40 32	6.90 32	8.20 33	10.00 34	25.00 34	40.00 32	73.00 33	122.00 34	131.00 33
1976	1.80 17	2.00 19	3.30 25	4.90 29	9.50 29	12.00 27	22.00 28	25.00 25	46.00 23
1977	3.30 29	3.30 27	3.40 27	4.20 25	5.10 21	7.10 18	11.00 18	16.00 22	18.00 11
1978	6.80 33	7.20 33	7.50 32	9.40 32	14.00 32	69.00 36	80.00 34	87.00 33	100.00 32
1979	6.00 31	6.40 31	7.40 31	8.50 31	14.00 33	52.00 33	90.00 35	169.00 36	172.00 36
1980	17.00 37	20.00 37	26.00 37	27.00 37	38.00 37	58.00 34	130.00 37	209.00 37	185.00 37
1981	5.10 30	5.30 30	5.70 30	6.20 30	7.60 26	9.50 22	12.00 19	15.00 19	29.00 17
1982	9.00 35	9.30 35	9.60 35	9.80 33	12.00 30	14.00 28	15.00 24	24.00 23	48.00 24
1983	1.90 18	2.20 20	2.30 18	3.10 18	4.50 19	4.80 13	8.40 15	12.00 13	39.00 20
1984	0.44 11	0.48 11	0.57 11	0.74 11	1.10 9	8.00 20	7.50 13	9.70 10	44.00 22
1985	2.40 23	2.80 24	3.30 26	4.50 27	8.20 27	22.00 29	30.00 29	44.00 30	75.00 28

## 03365000 SAND CREEK NEAR BREWERSVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	8930.00 5	5730.00 4	2730.00 4	1490.00 4	1430.00 2	907.00 2	786.00 2	662.00 2	466.00 2
1950	10100.00 3	5820.00 3	3250.00 1	2340.00 1	1590.00 1	1230.00 1	948.00 1	812.00 1	600.00 1
1951	7350.00 8	3080.00 16	1790.00 12	1130.00 12	855.00 8	679.00 6	548.00 6	515.00 3	450.00 3
1952	5220.00 17	3490.00 10	1950.00 8	1310.00 9	814.00 9	605.00 8	577.00 4	510.00 4	417.00 4
1953	2350.00 34	1510.00 33	944.00 34	587.00 35	391.00 35	292.00 35	249.00 35	225.00 33	206.00 30
1954	385.00 37	241.00 37	191.00 37	109.00 37	72.00 37	65.00 37	57.00 37	49.00 37	35.00 37
1955	2710.00 31	1670.00 30	1220.00 23	857.00 24	641.00 21	439.00 25	327.00 30	272.00 31	194.00 33
1956	4660.00 20	2220.00 23	1190.00 27	630.00 31	548.00 28	417.00 29	384.00 24	342.00 22	269.00 22
1957	6180.00 11	3380.00 13	1870.00 9	1060.00 15	578.00 27	549.00 12	439.00 13	397.00 13	332.00 11
1958	3880.00 23	2620.00 19	1560.00 19	952.00 20	657.00 19	430.00 27	411.00 16	382.00 14	287.00 19
1959	13100.00 1	6510.00 1	2930.00 3	1540.00 3	1070.00 3	709.00 3	537.00 7	428.00 8	323.00 14
1960	7480.00 7	3440.00 11	1580.00 17	953.00 19	519.00 31	330.00 33	245.00 36	216.00 34	218.00 28
1961	6730.00 9	4650.00 6	2250.00 7	1420.00 6	981.00 5	625.00 7	639.00 3	495.00 6	332.00 12
1962	3570.00 25	2350.00 20	1410.00 21	878.00 22	647.00 20	433.00 26	371.00 25	310.00 26	228.00 27
1963	5900.00 13	3080.00 14	1660.00 15	1100.00 13	806.00 10	494.00 18	359.00 27	288.00 29	206.00 31
1964	9360.00 4	6410.00 2	3200.00 2	1780.00 2	1010.00 4	690.00 4	477.00 8	374.00 15	250.00 24
1965	2800.00 29	1720.00 29	1220.00 24	651.00 30	500.00 32	336.00 32	334.00 29	294.00 28	204.00 32
1966	2100.00 36	1410.00 34	1010.00 30	629.00 32	459.00 34	271.00 36	253.00 34	230.00 32	182.00 34
1967	3280.00 27	1970.00 27	1210.00 25	924.00 21	665.00 17	440.00 24	403.00 18	347.00 20	293.00 18
1968	11100.00 2	4840.00 5	2700.00 5	1460.00 5	889.00 7	547.00 13	473.00 10	373.00 16	323.00 15
1969	5600.00 15	3390.00 12	1770.00 14	1210.00 11	785.00 12	531.00 15	408.00 17	334.00 23	277.00 21
1970	6640.00 10	2690.00 18	1420.00 20	784.00 27	702.00 16	542.00 14	427.00 14	366.00 18	268.00 23
1971	3000.00 28	1580.00 31	1210.00 26	768.00 28	520.00 30	355.00 31	261.00 32	213.00 35	165.00 36
1972	4130.00 21	2020.00 26	1380.00 22	1010.00 16	616.00 22	465.00 21	385.00 23	326.00 24	282.00 20
1973	2310.00 35	1510.00 32	1160.00 28	975.00 18	735.00 15	571.00 10	454.00 12	398.00 12	379.00 6
1974	2370.00 33	1370.00 35	922.00 35	746.00 29	488.00 33	383.00 30	402.00 19	356.00 19	311.00 16
1975	5670.00 14	3800.00 8	1790.00 13	980.00 17	929.00 6	689.00 5	575.00 5	498.00 5	394.00 5
1976	4690.00 19	2030.00 25	1000.00 31	606.00 34	525.00 29	422.00 28	350.00 28	295.00 27	214.00 29
1977	2500.00 32	1230.00 36	696.00 36	506.00 36	370.00 36	320.00 34	261.00 33	202.00 36	174.00 35
1978	8210.00 6	4300.00 7	2340.00 6	1360.00 7	765.00 13	458.00 22	398.00 20	413.00 9	346.00 10
1979	5000.00 18	2930.00 17	1870.00 10	1340.00 8	752.00 14	557.00 11	460.00 11	428.00 7	367.00 7
1980	2790.00 30	2300.00 21	1620.00 16	858.00 23	612.00 24	498.00 17	398.00 21	370.00 17	351.00 8
1981	5470.00 16	2060.00 24	1000.00 32	810.00 26	604.00 25	476.00 19	366.00 26	315.00 25	246.00 26
1982	6140.00 12	3080.00 15	1570.00 18	1260.00 10	796.00 11	584.00 9	475.00 9	403.00 10	325.00 13
1983	3970.00 22	3500.00 9	1800.00 11	1070.00 14	663.00 18	451.00 23	321.00 31	279.00 30	248.00 25
1984	3490.00 26	1730.00 28	968.00 33	626.00 33	597.00 26	517.00 16	415.00 15	346.00 21	307.00 17
1985	3590.00 24	2270.00 22	1160.00 29	849.00 25	615.00 23	476.00 20	391.00 22	402.00 11	348.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	270.00 32
1950	300.00 36
1951	305.00 37
1952	216.00 24
1953	119.00 12
1954	51.00 1
1955	94.00 6
1956	116.00 10
1957	123.00 14
1958	221.00 26
1959	291.00 35
1960	90.00 4
1961	165.00 20
1962	182.00 21
1963	116.00 11
1964	120.00 13
1965	108.00 8
1966	89.00 3
1967	140.00 18
1968	139.00 17
1969	229.00 27
1970	133.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	269.00 3
1950	364.00 1
1951	247.00 5
1952	223.00 8
1953	108.00 32
1954	18.00 37
1955	104.00 33
1956	167.00 20
1957	180.00 15
1958	235.00 7
1959	174.00 17
1960	135.00 25
1961	172.00 18
1962	138.00 24
1963	114.00 30
1964	127.00 28
1965	108.00 31
1966	99.00 36
1967	157.00 22
1968	193.00 13
1969	168.00 19
1970	140.00 23

03365000 SAND CREEK NEAR BREWERSVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	136.00	16
1972	111.00	9
1973	238.00	29
1974	198.00	23
1975	284.00	34
1976	144.00	19
1977	60.00	2
1978	218.00	25
1979	260.00	31
1980	276.00	33
1981	94.00	5
1982	232.00	28
1983	104.00	7
1984	186.00	22
1985	241.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	100.00	35
1972	163.00	21
1973	244.00	6
1974	209.00	11
1975	221.00	9
1976	121.00	29
1977	103.00	34
1978	268.00	4
1979	273.00	2
1980	221.00	10
1981	132.00	27
1982	179.00	16
1983	133.00	26
1984	186.00	14
1985	207.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	*	*	*	*	*	*	383.00	43.00	38.20	40.20	8.55	0.12
1949	1.16	127.00	300.00	1390.0	361.00	543.00	64.70	16.10	138.00	148.00	51.70	73.20
1950	139.00	16.90	152.00	1542.0	878.00	413.00	393.00	122.00	230.00	96.20	165.00	259.00
1951	32.30	464.00	502.00	545.00	396.00	470.00	328.00	114.00	77.40	42.70	2.81	2.74
1952	0.89	47.30	375.00	722.00	320.00	548.00	398.00	128.00	97.40	19.50	10.80	9.06
1953	1.11	9.04	44.50	366.00	86.50	251.00	154.00	325.00	16.00	30.60	4.69	0.05
1954	0.00	0.00	3.81	12.60	12.80	46.00	42.00	61.50	37.50	0.27	3.73	0.35
1955	3.18	2.13	18.80	96.30	445.00	442.00	108.00	44.10	43.40	40.80	9.21	14.70
1956	58.80	225.00	40.70	75.50	515.00	242.00	349.00	267.00	127.00	75.30	15.50	36.60
1957	3.08	9.27	96.70	143.00	274.00	100.00	575.00	496.00	236.00	219.00	8.72	7.29
1958	3.99	133.00	635.00	159.00	61.10	101.00	205.00	483.00	320.00	396.00	186.00	113.00
1959	35.30	108.00	110.00	814.00	467.00	263.00	165.00	75.40	25.80	18.80	12.10	11.00
1960	16.60	29.80	111.00	196.00	299.00	126.00	77.60	118.00	432.00	154.00	70.90	3.77
1961	5.05	4.87	15.50	30.10	213.00	852.00	300.00	571.00	24.40	19.50	15.00	6.93
1962	23.80	21.60	119.00	320.00	408.00	361.00	86.60	43.20	36.60	226.00	14.30	6.19
1963	23.30	18.80	15.60	48.30	58.00	799.00	168.00	83.80	68.70	30.50	33.10	4.31
1964	0.79	3.39	3.61	59.80	38.80	927.00	414.00	43.40	7.57	10.30	1.37	0.24
1965	0.00	4.24	23.90	176.00	395.00	253.00	359.00	49.10	7.51	18.30	14.00	24.30
1966	28.50	14.00	28.20	152.00	309.00	82.50	280.00	255.00	21.60	15.50	16.70	3.99
1967	5.95	78.10	334.00	83.50	149.00	436.00	195.00	550.00	32.50	10.40	3.33	0.16
1968	3.45	20.50	337.00	143.00	117.00	243.00	269.00	801.00	117.00	137.00	111.00	4.95
1969	5.58	56.40	336.00	619.00	230.00	46.40	255.00	154.00	93.70	192.00	19.00	7.47
1970	10.80	65.00	76.10	160.00	195.00	375.00	691.00	77.50	24.80	4.54	5.17	2.45
1971	5.60	22.20	43.80	76.60	532.00	186.00	64.10	75.80	83.90	36.10	14.90	98.80
1972	39.50	22.00	278.00	175.00	130.00	305.00	611.00	187.00	121.00	62.00	7.50	16.90
1973	26.40	306.00	439.00	207.00	205.00	671.00	446.00	92.60	301.00	214.00	16.50	5.07
1974	7.24	144.00	199.00	422.00	225.00	313.00	338.00	312.00	124.00	37.00	83.30	314.00
1975	52.10	190.00	254.00	372.00	656.00	705.00	211.00	76.80	102.00	10.20	17.30	40.20
1976	61.90	65.10	246.00	462.00	307.00	134.00	38.00	14.20	59.30	20.40	41.40	10.20
1977	22.10	25.70	12.70	5.26	141.00	339.00	199.00	121.00	77.20	130.00	103.00	59.20
1978	197.00	101.00	610.00	161.00	95.40	737.00	148.00	279.00	118.00	227.00	444.00	61.50
1979	85.20	150.00	414.00	348.00	557.00	302.00	379.00	117.00	140.00	392.00	333.00	70.00
1980	48.40	612.00	377.00	190.00	151.00	496.00	284.00	178.00	74.60	96.60	131.00	13.50
1981	9.57	21.00	22.20	12.30	183.00	107.00	335.00	394.00	314.00	115.00	69.60	14.30
1982	17.00	34.40	104.00	664.00	341.00	385.00	146.00	231.00	147.00	60.40	15.80	7.63
1983	4.96	53.60	281.00	120.00	126.00	54.80	275.00	608.00	37.40	11.10	14.10	1.78
1984	104.00	226.00	292.00	60.10	148.00	443.00	567.00	211.00	43.60	77.10	29.60	33.20
1985	70.30	340.00	473.00	205.00	422.00	436.00	198.00	202.00	47.10	32.80	62.10	7.56

OCT	NOV	DEC	JAN	FEB	MARCH
		TWENTY FIFTH PERCENTILE			
3.72	17.80	34.40	80.00	136.00	160.00
		FIFTIETH PERCENTILE			
16.60	47.30	152.00	175.00	230.00	339.00
		SEVENTY FIFTH PERCENTILE			
43.90	139.00	337.00	397.00	402.00	483.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
		TWENTY FIFTH PERCENTILE			
153.00	75.70	37.20	19.30	9.09	3.93
		FIFTIETH PERCENTILE			
272.00	125.00	77.30	41.70	16.10	8.34
		SEVENTY FIFTH PERCENTILE			
380.00	287.00	130.00	140.00	69.90	37.50





DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	21185	100.00	12	770.0	1161	13107	61.87	24	8400.0	305	1240	5.85
1	86.0	6	21185	100.00	13	940.0	1023	11946	56.39	25	10000.0	384	935	4.41
2	100.0	30	21179	99.97	14	1100.0	1618	10923	51.56	26	13000.0	119	551	2.60
3	130.0	51	21149	99.83	15	1400.0	1297	9305	43.92	27	15000.0	148	432	2.04
4	160.0	225	21098	99.59	16	1700.0	1391	8008	37.80	28	19000.0	98	284	1.34
5	190.0	717	20873	98.53	17	2100.0	1226	6617	31.23	29	23000.0	80	186	0.88
6	230.0	773	20156	95.14	18	2600.0	963	5391	25.45	30	28000.0	59	106	0.50
7	280.0	1578	19383	91.49	19	3100.0	921	4428	20.90	31	34000.0	23	47	0.22
8	350.0	1186	17805	84.05	20	3800.0	758	3507	16.55	32	42000.0	18	24	0.11
9	420.0	1377	16619	78.45	21	4600.0	677	2749	12.98	33	51000.0	4	6	0.03
10	520.0	1040	15242	71.95	22	5700.0	430	2072	9.78	34	62000.0	2	2	0.01
11	630.0	1095	14202	67.04	23	6900.0	402	1642	7.75					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	232.0
P90 =	294.0
P75 =	473.0
P70 =	564.0
P50 =	1160.0
P25 =	2650.0
P10 =	5630.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1929	260.00 25	265.00 25	278.00 27	292.00 30	320.00 32	407.00 32	487.00 37	704.00 42	970.00 38
1930	411.00 51	411.00 51	414.00 50	426.00 49	444.00 48	503.00 46	696.00 47	936.00 47	1840.00 53
1931	179.00 10	184.00 9	204.00 13	209.00 12	217.00 12	219.00 11	233.00 10	239.00 9	248.00 3
1932	215.00 18	234.00 18	256.00 20	279.00 21	300.00 26	448.00 42	446.00 32	486.00 32	526.00 18
1933	203.00 15	247.00 20	261.00 22	279.00 22	374.00 40	627.00 49	1050.00 53	1180.00 51	1300.00 45
1934	260.00 26	279.00 28	283.00 29	290.00 29	306.00 28	415.00 36	473.00 36	450.00 29	570.00 22
1935	158.00 4	161.00 4	165.00 4	170.00 5	174.00 4	183.00 3	209.00 6	212.00 4	273.00 5
1936	246.00 24	252.00 22	258.00 21	261.00 19	288.00 21	409.00 33	575.00 44	751.00 43	1020.00 41
1937	126.00 2	139.00 2	144.00 2	152.00 2	166.00 3	194.00 5	206.00 4	262.00 10	708.00 29
1938	459.00 52	479.00 52	509.00 52	542.00 52	856.00 56	980.00 54	974.00 51	1020.00 50	1320.00 46
1939	288.00 37	296.00 39	302.00 37	305.00 36	312.00 31	354.00 27	451.00 34	564.00 36	822.00 34
1940	200.00 14	213.00 15	245.00 17	259.00 18	269.00 16	287.00 15	295.00 14	296.00 12	488.00 13
1941	142.00 3	149.00 3	157.00 3	158.00 3	161.00 2	175.00 2	188.00 2	201.00 2	231.00 2
1942	86.00 1	91.00 1	93.00 1	101.00 1	133.00 1	141.00 1	154.00 1	193.00 1	286.00 7
1943	280.00 31	292.00 36	297.00 35	299.00 32	309.00 29	367.00 31	554.00 41	615.00 39	995.00 39
1944	218.00 19	242.00 19	246.00 18	253.00 17	270.00 17	298.00 18	298.00 15	322.00 14	361.00 10
1945	173.00 8	185.00 10	189.00 11	192.00 9	199.00 9	209.00 8	225.00 9	238.00 8	260.00 4
1946	301.00 40	317.00 40	334.00 42	340.00 41	376.00 41	601.00 48	844.00 50	1280.00 52	1520.00 49
1947	174.00 9	190.00 13	204.00 12	212.00 13	220.00 13	244.00 12	270.00 12	337.00 15	555.00 20
1948	380.00 50	384.00 50	390.00 49	401.00 48	428.00 47	439.00 40	458.00 35	541.00 34	1020.00 40
1949	242.00 22	253.00 23	274.00 23	279.00 23	290.00 22	309.00 21	358.00 23	568.00 37	742.00 30
1950	356.00 47	365.00 46	388.00 48	461.00 51	523.00 50	632.00 50	708.00 48	779.00 45	908.00 37
1951	374.00 48	383.00 49	416.00 51	444.00 50	538.00 51	718.00 51	983.00 52	998.00 48	1500.00 48
1952	240.00 21	253.00 24	274.00 24	280.00 24	281.00 19	295.00 17	318.00 17	419.00 21	826.00 35
1953	284.00 34	284.00 32	286.00 30	286.00 26	291.00 23	308.00 20	332.00 18	350.00 16	489.00 14
1954	184.00 12	185.00 11	188.00 9	190.00 8	194.00 7	196.00 6	206.00 5	222.00 6	277.00 6
1955	170.00 6	170.00 5	170.00 5	170.00 4	179.00 5	191.00 4	196.00 3	205.00 3	215.00 1

## 03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	212.00 17	213.00 16	217.00 15	223.00 15	242.00 15	344.00 24	595.00 45	762.00 44	1040.00 42
1957	280.00 32	280.00 29	280.00 28	280.00 25	280.00 18	289.00 16	345.00 20	376.00 19	577.00 23
1958	322.00 43	322.00 42	326.00 40	338.00 40	381.00 42	416.00 37	444.00 31	591.00 38	1710.00 52
1959	740.00 56	767.00 56	786.00 56	825.00 56	853.00 55	1180.00 56	1340.00 55	1560.00 55	2420.00 56
1960	286.00 35	286.00 34	286.00 31	295.00 31	311.00 30	358.00 28	385.00 26	446.00 28	548.00 19
1961	295.00 39	295.00 37	297.00 36	302.00 33	305.00 27	321.00 23	345.00 21	352.00 17	414.00 12
1962	318.00 42	326.00 43	328.00 41	329.00 39	344.00 36	364.00 30	384.00 25	423.00 24	606.00 25
1963	270.00 29	280.00 30	306.00 38	344.00 42	368.00 39	411.00 34	420.00 29	422.00 22	524.00 17
1964	170.00 7	170.00 6	172.00 6	184.00 7	202.00 10	210.00 9	210.00 7	216.00 5	287.00 8
1965	186.00 13	186.00 12	188.00 10	193.00 10	196.00 8	202.00 7	215.00 8	237.00 7	370.00 11
1966	283.00 33	285.00 33	294.00 33	310.00 37	333.00 35	470.00 45	507.00 40	548.00 35	566.00 21
1967	226.00 20	231.00 17	236.00 16	246.00 16	291.00 24	319.00 22	337.00 19	366.00 18	593.00 24
1968	211.00 16	212.00 14	213.00 14	214.00 14	223.00 14	251.00 14	279.00 13	309.00 13	501.00 15
1969	374.00 49	377.00 48	382.00 47	386.00 47	398.00 44	441.00 41	566.00 43	1020.00 49	1550.00 50
1970	609.00 55	612.00 55	623.00 55	646.00 53	738.00 53	817.00 52	827.00 49	1280.00 53	1360.00 47
1971	287.00 36	290.00 35	294.00 34	305.00 34	322.00 33	353.00 26	394.00 27	422.00 23	501.00 16
1972	275.00 30	282.00 31	291.00 32	305.00 35	363.00 38	417.00 38	443.00 30	429.00 25	639.00 26
1973	243.00 23	248.00 21	256.00 19	266.00 20	288.00 20	362.00 29	417.00 28	496.00 33	1060.00 43
1974	347.00 45	347.00 45	355.00 45	372.00 44	412.00 46	436.00 39	500.00 39	783.00 46	1640.00 51
1975	496.00 53	535.00 53	610.00 53	695.00 55	705.00 52	987.00 55	1470.00 56	1370.00 54	1870.00 54
1976	262.00 27	267.00 26	275.00 25	289.00 28	324.00 34	349.00 25	375.00 24	438.00 26	666.00 27
1977	168.00 5	171.00 7	176.00 7	181.00 6	185.00 6	213.00 10	247.00 11	264.00 11	290.00 9
1978	316.00 41	321.00 41	342.00 43	383.00 45	465.00 49	567.00 47	645.00 46	676.00 40	873.00 36
1979	601.00 54	607.00 54	622.00 54	648.00 54	765.00 54	892.00 53	1210.00 54	1800.00 56	2080.00 55
1980	865.00 57	873.00 57	888.00 57	901.00 57	1010.00 57	1310.00 57	1910.00 57	3170.00 57	3520.00 57
1981	350.00 46	370.00 47	375.00 46	383.00 46	408.00 45	455.00 43	489.00 38	480.00 30	771.00 31
1982	344.00 44	345.00 44	349.00 44	365.00 43	383.00 43	412.00 35	447.00 33	482.00 31	803.00 33
1983	269.00 28	272.00 27	277.00 26	287.00 27	294.00 25	300.00 19	353.00 22	402.00 20	699.00 28
1984	181.00 11	184.00 8	188.00 8	193.00 11	206.00 11	249.00 13	300.00 16	440.00 27	801.00 32
1985	290.00 38	296.00 38	308.00 39	315.00 38	354.00 37	469.00 44	561.00 42	695.00 41	1130.00 44

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1928	28000.00 32	23800.00 32	18600.00 31	12200.00 31	10200.00 17	6410.00 32	6310.00 22	5290.00 25	4410.00 27
1929	28000.00 33	23900.00 31	21100.00 20	15300.00 11	8630.00 30	7420.00 21	6730.00 16	6260.00 13	5880.00 6
1930	62100.00 2	50400.00 2	40400.00 1	27200.00 3	17000.00 4	10800.00 4	8740.00 5	7140.00 5	5220.00 13
1931	7030.00 56	5780.00 56	4160.00 56	3210.00 57	2240.00 57	1720.00 57	1370.00 57	1150.00 57	917.00 57
1932	25600.00 34	20400.00 40	18100.00 32	14300.00 16	9410.00 25	6830.00 29	5360.00 34	4530.00 34	3430.00 37
1933	35500.00 19	32300.00 18	20800.00 21	13600.00 20	10000.00 18	9510.00 6	8190.00 6	7450.00 4	6770.00 2
1934	10300.00 55	8480.00 55	5940.00 55	3660.00 55	2720.00 55	2010.00 55	1520.00 56	1530.00 55	1210.00 55
1935	10600.00 54	10300.00 52	9360.00 49	7040.00 48	4770.00 51	3280.00 53	3000.00 52	2570.00 53	2160.00 52
1936	16200.00 48	14500.00 47	10000.00 48	6710.00 50	5600.00 47	5110.00 45	4140.00 47	3530.00 46	2760.00 48
1937	49400.00 7	43700.00 5	34700.00 2	30400.00 1	20300.00 2	12900.00 2	9300.00 3	7890.00 3	6150.00 4
1938	31500.00 27	27200.00 28	19400.00 27	13000.00 25	12200.00 7	9140.00 9	7020.00 9	6570.00 11	5360.00 12
1939	33700.00 23	30400.00 19	20500.00 24	13400.00 23	8600.00 31	7750.00 17	6960.00 13	5760.00 19	4550.00 22
1940	37500.00 15	29700.00 21	18700.00 29	11000.00 37	6730.00 43	4130.00 48	3710.00 48	3180.00 48	2370.00 51
1941	3020.00 58	2300.00 58	1670.00 58	1040.00 58	690.00 58	479.00 58	433.00 58	400.00 58	380.00 58
1942	16400.00 46	14800.00 46	10400.00 47	8500.00 45	5430.00 48	5130.00 44	4730.00 42	3970.00 42	3330.00 39
1943	42000.00 11	32800.00 15	26800.00 8	15200.00 12	8830.00 28	5780.00 36	5980.00 25	5110.00 28	4260.00 29
1944	36000.00 18	32600.00 16	23400.00 13	14200.00 18	9440.00 24	6930.00 28	5430.00 31	4440.00 36	3070.00 43
1945	40300.00 13	27900.00 26	20800.00 22	13600.00 21	10300.00 15	8510.00 13	6660.00 17	6050.00 14	4530.00 24
1946	12800.00 49	11100.00 50	9330.00 50	6740.00 49	5110.00 50	4660.00 47	4590.00 44	3910.00 44	3440.00 36
1947	33000.00 25	28100.00 25	19200.00 28	12600.00 29	9900.00 20	8570.00 12	6970.00 11	5840.00 17	4860.00 17
1948	23700.00 39	21000.00 37	15100.00 38	10300.00 39	9790.00 21	6350.00 33	5410.00 33	4510.00 35	3400.00 38
1949	63500.00 1	51100.00 1	30000.00 5	18400.00 5	17200.00 3	11700.00 3	9920.00 2	8420.00 2	6280.00 3
1950	50000.00 6	45300.00 3	31700.00 3	28200.00 2	20400.00 1	16000.00 1	12500.00 1	10700.00 1	7980.00 1
1951	28600.00 30	25100.00 30	17800.00 33	13600.00 22	8780.00 29	7680.00 19	6990.00 10	6710.00 8	6110.00 5
1952	42000.00 12	33000.00 14	20000.00 26	15000.00 13	9590.00 22	8350.00 14	6950.00 14	6690.00 9	5590.00 9
1953	12500.00 50	11800.00 49	8580.00 51	5990.00 52	4610.00 52	3380.00 52	3460.00 49	3090.00 49	2700.00 49
1954	5880.00 57	5190.00 57	3890.00 57	3210.00 56	2670.00 56	1950.00 56	1570.00 55	1380.00 56	1080.00 56
1955	10900.00 52	9340.00 54	8240.00 52	6410.00 51	5370.00 49	4100.00 49	3430.00 50	2990.00 50	2420.00 50
1956	34600.00 21	26500.00 29	17100.00 34	10500.00 38	7210.00 41	5780.00 37	5070.00 38	4810.00 31	4160.00 30
1957	33400.00 24	28800.00 23	20200.00 25	12900.00 26	8120.00 34	7400.00 22	6400.00 21	5800.00 18	4580.00 21
1958	28100.00 31	21700.00 36	16000.00 36	12200.00 32	7880.00 37	7550.00 20	6430.00 20	5890.00 16	4540.00 23
1959	55900.00 3	40300.00 8	24900.00 10	14100.00 19	11700.00 8	8310.00 15	6460.00 19	5400.00 22	4290.00 28
1960	25600.00 35	22200.00 34	13400.00 41	9180.00 42	5670.00 46	3790.00 51	3000.00 53	2720.00 52	2860.00 46

## 03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	52000.00	5	42800.00	6	27500.00	7	17500.00	7	12500.00	5	9340.00	8	8760.00	4	7050.00	6	4940.00	16
1962	19700.00	44	18600.00	41	12500.00	44	8780.00	44	7690.00	38	5320.00	41	4960.00	39	4120.00	41	3210.00	41
1963	47600.00	8	40400.00	7	24600.00	11	15900.00	9	11700.00	9	7330.00	24	5340.00	35	4240.00	39	3020.00	45
1964	44800.00	10	38800.00	9	26400.00	9	15700.00	10	9920.00	19	9360.00	7	6810.00	15	5280.00	26	3700.00	32
1965	25000.00	36	23200.00	33	15000.00	39	8870.00	43	6860.00	42	5060.00	46	5280.00	36	4380.00	37	3130.00	42
1966	10600.00	53	9880.00	53	7850.00	53	5180.00	54	3580.00	54	2730.00	54	2420.00	54	2260.00	54	1980.00	54
1967	32900.00	26	29400.00	22	21600.00	16	12700.00	28	8270.00	32	5380.00	40	5200.00	37	4620.00	32	4700.00	19
1968	55200.00	4	44100.00	4	31500.00	4	18400.00	6	11100.00	12	6760.00	31	5850.00	26	5250.00	27	4690.00	20
1969	35000.00	20	30200.00	20	21500.00	19	14800.00	14	11200.00	11	7370.00	23	5720.00	29	4870.00	30	4100.00	31
1970	22600.00	42	15600.00	44	11300.00	45	7590.00	46	6230.00	45	5180.00	42	4900.00	40	4370.00	38	3540.00	34
1971	24900.00	37	20600.00	39	16300.00	35	11600.00	35	8210.00	33	5580.00	38	4220.00	46	3500.00	47	2800.00	47
1972	23700.00	40	16400.00	43	12800.00	43	10200.00	40	7310.00	40	5180.00	43	4360.00	45	3750.00	45	3250.00	40
1973	21700.00	43	18500.00	42	15000.00	40	11900.00	33	9470.00	23	7710.00	18	6120.00	23	5550.00	20	5390.00	11
1974	16300.00	47	15400.00	45	13200.00	42	11000.00	36	7360.00	39	5810.00	35	5750.00	28	5360.00	23	4790.00	18
1975	37800.00	14	35000.00	10	21600.00	17	12900.00	27	11000.00	13	8960.00	10	7670.00	8	6900.00	7	5650.00	8
1976	17400.00	45	14300.00	48	10900.00	46	7530.00	47	6530.00	44	5520.00	39	4870.00	41	4180.00	40	3060.00	44
1977	12500.00	51	11000.00	51	7650.00	54	5880.00	53	4030.00	53	3840.00	50	3400.00	51	2780.00	51	2090.00	53
1978	33800.00	22	32300.00	17	24200.00	12	17100.00	8	10500.00	14	6790.00	30	5990.00	24	5350.00	24	4480.00	25
1979	36700.00	16	33400.00	12	28800.00	6	21100.00	4	12500.00	6	8770.00	11	6590.00	18	6030.00	15	5830.00	7
1980	24300.00	38	20900.00	38	18600.00	30	11900.00	34	7970.00	35	6940.00	27	5420.00	32	5440.00	21	5150.00	14
1981	29400.00	28	28100.00	24	22000.00	14	14300.00	17	10200.00	16	7200.00	25	5550.00	30	4530.00	33	3550.00	33
1982	45000.00	9	34900.00	11	21600.00	18	14800.00	15	11600.00	10	9750.00	5	7810.00	7	6620.00	10	5080.00	15
1983	36700.00	17	33200.00	13	21800.00	15	13100.00	24	9210.00	26	6340.00	34	4700.00	43	3950.00	43	3450.00	35
1984	23500.00	41	22000.00	35	15300.00	37	9810.00	41	7920.00	36	7040.00	26	5810.00	27	5080.00	29	4420.00	26
1985	28600.00	29	27700.00	27	20500.00	23	12300.00	30	9170.00	27	8250.00	16	6960.00	12	6410.00	12	5440.00	10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1929	2670.00	34
1930	4240.00	56
1931	562.00	2
1932	2040.00	21
1933	3180.00	41
1934	2090.00	25
1935	552.00	1
1936	2030.00	20
1937	3450.00	47
1938	2930.00	38
1939	2800.00	36
1940	1870.00	18
1941	967.00	5
1942	1270.00	6
1943	2400.00	31
1944	1700.00	14
1945	2210.00	27
1946	3050.00	39
1947	1570.00	12
1948	3150.00	40
1949	3890.00	52
1950	3960.00	53
1951	3800.00	51
1952	3240.00	44
1953	1810.00	16
1954	947.00	4
1955	1280.00	7
1956	2330.00	30
1957	1880.00	19
1958	3230.00	43
1959	4180.00	55
1960	1580.00	13
1961	2080.00	24
1962	2890.00	37
1963	1810.00	17
1964	1490.00	9
1965	2060.00	22
1966	1560.00	11
1967	2200.00	26
1968	2260.00	28
1969	3470.00	48
1970	2550.00	33

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1928	2820.00	23
1929	3480.00	10
1930	2870.00	21
1931	622.00	57
1932	2270.00	33
1933	4090.00	3
1934	819.00	55
1935	1250.00	52
1936	1580.00	49
1937	3780.00	4
1938	3580.00	6
1939	2660.00	27
1940	1320.00	51
1941	287.00	58
1942	2050.00	35
1943	2590.00	30
1944	1680.00	47
1945	2490.00	31
1946	2330.00	32
1947	2980.00	19
1948	1980.00	39
1949	3550.00	8
1950	4580.00	1
1951	3580.00	7
1952	3200.00	15
1953	1600.00	48
1954	649.00	56
1955	1420.00	50
1956	3050.00	18
1957	2600.00	28
1958	3480.00	11
1959	2600.00	29
1960	1840.00	43
1961	2670.00	26
1962	2040.00	36
1963	1740.00	45
1964	1980.00	40
1965	1780.00	44
1966	1240.00	53
1967	2710.00	24
1968	3080.00	17
1969	2950.00	20

## WABASH RIVER BASIN

00365500 EAST FORK WHITE RIVER AT SEYMOUR, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	2070.00	23
1972	1370.00	8
1973	3250.00	45
1974	3200.00	42
1975	3960.00	54
1976	2320.00	29
1977	891.00	3
1978	2490.00	32
1979	3610.00	49
1980	4300.00	57
1981	1730.00	15
1982	3670.00	50
1983	1510.00	10
1984	2750.00	35
1985	3300.00	46

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	2100.00	34
1971	1700.00	46
1972	1950.00	41
1973	3740.00	5
1974	3110.00	16
1975	3310.00	13
1976	1850.00	42
1977	1220.00	54
1978	3300.00	14
1979	4210.00	2
1980	3500.00	9
1981	2040.00	37
1982	2840.00	22
1983	2000.00	38
1984	2710.00	25
1985	3360.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1928	928.00	1698.0	9245.0	2650.0	6219.0	2235.0	3815.0	1610.0	2621.0	1978.0	695.00	332.00
1929	488.00	1350.0	1689.0	8097.0	3927.0	5480.0	4943.0	6489.0	3211.0	4562.0	936.00	539.00
1930	694.00	1747.0	4362.0	15290.0	5073.0	2912.0	1975.0	1060.0	494.00	273.00	270.00	258.00
1931	217.00	223.00	265.00	266.00	373.00	1073.0	2164.0	802.00	394.00	634.00	309.00	749.00
1932	527.00	1065.0	3812.0	8810.0	3190.0	1929.0	1429.0	833.00	1333.0	2398.0	781.00	1011.0
1933	1630.0	3921.0	4417.0	8227.0	3354.0	8658.0	7334.0	8147.0	1338.0	874.00	493.00	450.00
1934	549.00	429.00	1380.0	898.00	512.00	2553.0	1388.0	519.00	444.00	387.00	471.00	243.00
1935	218.00	182.00	242.00	565.00	394.00	1551.0	1264.0	4606.0	1812.0	2388.0	1010.0	615.00
1936	335.00	1250.0	1165.0	1772.0	3819.0	4378.0	3765.0	1524.0	448.00	231.00	169.00	227.00
1937	1787.0	4782.0	1083.0	19540.0	5779.0	2108.0	3507.0	2482.0	1438.0	897.00	1095.0	942.00
1938	2561.0	1035.0	4900.0	2160.0	4785.0	9325.0	6644.0	2900.0	3736.0	2941.0	1453.0	573.00
1939	325.00	698.00	669.00	1698.0	5270.0	6983.0	8449.0	2005.0	3040.0	1533.0	1227.0	362.00
1940	279.00	309.00	304.00	611.00	2707.0	1843.0	6099.0	1807.0	1250.0	413.00	226.00	195.00
1941	162.00	226.00	297.00	305.00	391.00	299.00	356.00	264.00	682.00	199.00	148.00	136.00
1942	292.00	860.00	1177.0	1188.0	5551.0	4668.0	3968.0	1787.0	2867.0	829.00	919.00	790.00
1943	319.00	1836.0	2158.0	1989.0	3009.0	8337.0	2226.0	6452.0	2576.0	1030.0	649.00	407.00
1944	271.00	329.00	294.00	506.00	1092.0	4478.0	9211.0	2235.0	974.00	346.00	284.00	264.00
1945	204.00	239.00	266.00	386.00	2545.0	9650.0	6481.0	2508.0	4758.0	1189.0	737.00	1041.0
1946	2432.0	2025.0	2888.0	3390.0	4371.0	4935.0	1327.0	3457.0	1683.0	785.00	518.00	273.00
1947	221.00	374.00	1292.0	3828.0	2906.0	2243.0	5914.0	7152.0	7164.0	2401.0	1542.0	820.00
1948	438.00	454.00	488.00	2462.0	3132.0	5921.0	6416.0	1827.0	711.00	1176.0	518.00	304.00
1949	323.00	2715.0	3294.0	16800.0	6176.0	6429.0	2228.0	982.00	1298.0	1058.0	628.00	725.00
1950	1199.0	640.00	1999.0	19560.0	12290.0	5338.0	5086.0	2725.0	2955.0	1390.0	590.00	1621.0
1951	749.00	4500.0	5684.0	6933.0	8343.0	5471.0	5654.0	2094.0	1485.0	1646.0	494.00	318.00
1952	286.00	802.00	6881.0	8173.0	5421.0	5616.0	5257.0	2133.0	2202.0	821.00	385.00	388.00
1953	298.00	338.00	874.00	2796.0	1878.0	4431.0	2105.0	3674.0	961.00	1170.0	431.00	210.00
1954	196.00	214.00	273.00	555.00	615.00	919.00	2561.0	1228.0	626.00	229.00	206.00	190.00
1955	213.00	217.00	330.00	1707.0	2930.0	4997.0	2284.0	1319.0	1320.0	1051.0	360.00	392.00
1956	1859.0	6440.0	1732.0	869.00	7125.0	3582.0	4491.0	3656.0	4061.0	2212.0	524.00	464.00
1957	283.00	315.00	1033.0	1540.0	2697.0	1419.0	7495.0	6834.0	4116.0	4418.0	671.00	447.00
1958	394.00	1195.0	7218.0	2966.0	1353.0	1524.0	2179.0	6128.0	6730.0	5733.0	4433.0	1617.0
1959	996.00	1859.0	1746.0	7589.0	7038.0	4252.0	2396.0	2671.0	1544.0	626.00	484.00	345.00
1960	390.00	689.00	1313.0	2138.0	4551.0	1917.0	1678.0	1445.0	4323.0	2678.0	757.00	415.00
1961	312.00	336.00	392.00	508.00	1445.0	10560.0	6149.0	8686.0	1698.0	806.00	639.00	381.00
1962	366.00	437.00	1208.0	4242.0	3612.0	6427.0	1932.0	1397.0	909.00	2670.0	682.00	609.00
1963	427.00	465.00	370.00	647.00	652.00	10690.0	3566.0	1406.0	935.00	697.00	578.00	266.00
1964	204.00	222.00	207.00	390.00	440.00	8860.0	8965.0	2239.0	692.00	982.00	333.00	231.00
1965	196.00	222.00	312.00	1478.0	5412.0	4088.0	5977.0	1715.0	513.00	752.00	410.00	609.00
1966	651.00	528.00	624.00	2243.0	3244.0	1646.0	1502.0	2641.0	702.00	515.00	373.00	303.00
1967	333.00	1948.0	7668.0	1865.0	2852.0	5626.0	2986.0	6601.0	1283.0	590.00	350.00	234.00
1968	271.00	391.00	4472.0	1924.0	5608.0	2443.0	3752.0	9379.0	3632.0	1938.0	2640.0	570.00
1969	427.00	1135.0	3586.0	6951.0	6558.0	1213.0	3844.0	2539.0	1906.0	5264.0	1367.0	829.00
1970	832.00	2167.0	1727.0	1885.0	4506.0	3919.0	5970.0	2256.0	935.00	527.00	452.00	343.00
1971	426.00	605.00	989.00	1555.0	7777.0	3586.0	1204.0	1619.0	1459.0	794.00	405.00	486.00
1972	464.00	395.00	2350.0	2460.0	1429.0	3274.0	7040.0	2632.0	1864.0	804.00	403.00	334.00
1973	517.00	5465.0	5277.0	3305.0	3104.0	8268.0	6738.0	2093.0	4581.0	3752.0	1300.0	540.00
1974	416.00	1475.0	3224.0	6688.0	3750.0	3942.0	5451.0	4100.0	3699.0	1227.0	843.00	2543.0
1975	1118.0	2207.0	3833.0	5012.0	9611.0	8319.0	4766.0	2431.0	1586.0	565.00	386.00	357.00
1976	510.00	727.00	2606.0	5650.0	5279.0	3120.0	1041.0	625.00	863.00	1081.0	504.00	276.00
1977	279.00	325.00	290.00	192.00	1671.0	3587.0	3437.0	2176.0	672.00	901.00	676.00	470.00
1978	1726.0	928.00	6745.0	1583.0	983.00	9315.0	3301.0	4645.0	2553.0	2464.0	3104.0	1932.0
1979	1051.0	1470.0	3849.0	4747.0	6610.0	7754.0	5020.0	1857.0	1512.0	6040.0	8795.0	1786.0
1980	1012.0	6037.0	6532.0	3462.0	2507.0	6868.0	4997.0	2798.0	2456.0	1669.0	2844.0	744.00
1981	459.00	473.00	580.00	413.00	2117.0	1299.0	3311.0	8158.0	4443.0	1671.0	978.00	547.00
1982	401.00	477.00	1137.0	5443.0	11200.0	6763.0	3099.0	1982.0	2286.0	993.00	519.00	365.00
1983	299.00	531.00	3045.0	1921.0	1959.0	1208.0	4592.0	7859.0	1160.0	760.00	359.00	219.00
1984	674.00	2729.0	4497.0	1241.0	3019.0	5871.0	7840.0	3367.0	1304.0	1043.0	573.00	428.00
1985	870.00	2813.0	4996.0	4544.0	6830.0	5276.0	6513.0	4525.0	1919.0	903.00	887.00	474.00

03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
285.00	365.00	557.00	1116.00	1939.00	2203.00
FIFTIETH PERCENTILE					
421.00	713.00	1708.00	2149.00	3299.00	4405.00
SEVENTY FIFTH PERCENTILE					
770.00	1842.00	3977.00	5120.00	5565.00	6513.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
2214.00	1617.00	935.00	738.00	399.00	296.00
FIFTIETH PERCENTILE					
3830.00	2344.00	1528.00	1037.00	576.00	422.00
SEVENTY FIFTH PERCENTILE					
6008.00	4206.00	2889.00	2037.00	923.00	643.00

## 03366000 GRAHAM CREEK NEAR VERNON, IN

LOCATION.--Lat 38°55'47", long 85°33'45", in NW¼SE¼ sec.30, T.6 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on right bank 10 ft upstream from State Highway 7, 4.7 mi southeast of Vernon, and 8.0 mi downstream from Little Graham Creek.

DRAINAGE AREA.--77.2 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1955 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 677.47 ft above National Geodetic Vertical Datum of 1929 (unadjusted). Prior to June 10, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--18 years, 93.2 ft<sup>3</sup>/s, 16.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft<sup>3</sup>/s June 23, 1960, gage height, 21.37 ft from rating curve extended above 6,000 ft<sup>3</sup>/s on basis of contracted-opening measurements of peak flow; no flow at times most years.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1956								3	10	3	9	9	10	13	12	40	29	36	28	30	26	31	19	21	15	8	3	4	5	2						
1957	2					11		9	20	9	7	9	28	16	14	15	15	21	16	40	46	24	20	11	12	5	2	8	1	3		1				
1958	8					9		5	5	17	2	3	4	1	4	12	25	42	47	49	35	28	13	19	8	8	7	4	1	1						
1959								2	8	11	18	12	19	12	31	28	19	47	25	29	29	32	14	9	7	5	3	3	1						1	
1960	22					2		1	7	6	9	9	10	13	13	25	26	40	32	46	30	15	19	15	9	5	5	3	2	1					1	
1961	28					8		4	7	11	14	15	25	37	24	16	14	23	21	23	20	17	13	13	6	11	5	6	1	1	2					
1962								3	13	8	6	12	33	14	18	14	20	23	26	41	46	30	13	9	10	11	2	5	4	2	2					
1963	30					18		3	3	3	12	16	14	12	18	40	43	45	32	24	13	10	6	7	5	3	3		3	1	1					
1964	125					24		3	4	3	3	11	10	23	20	22	16	14	11	17	17	11	10	5	4	4	3	2		2	1	1				
1965	65					17		8	11	10	10	15	13	27	15	14	15	19	15	22	23	15	12	15	7	7	6	2	2							
1966	16					13		6	3	5	15	17	11	18	9	39	25	33	18	49	29	18	8	11	6	3	6	4	1	2						
1967	4					2	7	2	10	13	19	18	23	19	17	7	8	21	18	30	27	24	20	15	9	9	13	2	1	3	3					
1968	5	2	7	1	1	5	2	1	7		8	34	27	12	37	27	20	14	13	30	25	22	18	13	6	8	8	6	4	2					1	
1969			3	3	5	4	3	2	4	23	19	11	12	6	7	11	18	34	22	32	34	28	21	15	13	11	7	5	4	4	3	1				
1970	8	2				1	4	6	9	22	20	22	22	4	15	20	14	28	13	27	33	23	21	13	14	6	7	2	4	3	1	1				
1971	2	5	5	2	4		5	5	5	7	9	7	5	18	21	26	36	31	37	34	20	25	14	11	11	7	6	4	2			1				
1972	4					1	1	4	4	2	8	1	2	6	8	6	28	37	63	33	29	34	29	14	18	5	9	10	4	3	2	1				
1973														3	11	12	11	18	31	12	41	32	44	45	34	25	22	9	10	5						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	319	6575	100.00	12	1.5	245	5242	79.73	24	220.0	162	560	8.52
1	0.01	12	6256	95.15	13	2.3	264	4997	76.00	25	330.0	143	398	6.05
2	0.02	15	6244	94.97	14	3.4	293	4733	71.98	26	510.0	88	255	3.88
3	0.04	10	6229	94.74	15	5.2	410	4440	67.53	27	770.0	77	167	2.54
4	0.05	18	6219	94.59	16	7.9	438	4030	61.29	28	1200.0	48	90	1.37
5	0.08	117	6201	94.31	17	12.0	547	3592	54.63	29	1800.0	26	42	0.64
6	0.12	29	6084	92.53	18	18.0	452	3045	46.31	30	2700.0	11	16	0.24
7	0.19	83	6055	92.09	19	27.0	595	2593	39.44	31	4100.0	2	5	0.08
8	0.28	169	5972	90.83	20	42.0	497	1998	30.39	32	6200.0	1	3	0.05
9	0.43	158	5803	88.26	21	63.0	413	1501	22.83	33	9300.0	2	2	0.03
10	0.64	179	5645	85.86	22	96.0	281	1088	16.55	34				
11	0.98	224	5466	83.13	23	140.0	247	807	12.27					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.02  
P90 = 0.33  
P75 = 2.6  
P70 = 4.2  
P50 = 15.3  
P25 = 57.0  
P10 = 189.0

## 03366000 GRAHAM CREEK NEAR VERNON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	0.20 12	0.23 13	0.27 13	0.64 15	1.80 14	3.60 14	17.00 15	14.00 14	19.00 11
1958	0.00 1	0.00 1	0.00 1	0.04 7	0.13 5	0.16 5	0.28 4	0.86 5	65.00 16
1959	0.60 16	0.63 16	1.00 16	2.50 17	6.10 16	12.00 16	17.00 16	24.00 17	72.00 17
1960	0.20 13	0.23 14	0.29 14	0.37 14	0.56 13	1.19 10	2.30 10	3.30 9	7.80 5
1961	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.02 3	0.21 3	0.47 3	1.50 3
1962	0.20 14	0.20 12	0.26 12	0.30 12	0.39 9	0.92 9	2.10 9	8.00 11	24.00 13
1963	1.10 17	1.10 17	1.19 17	1.40 16	2.70 15	3.40 13	5.50 13	7.80 10	13.00 9
1964	0.00 3	0.00 3	0.00 3	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	0.24 1
1965	0.00 4	0.00 4	0.00 4	0.00 3	0.00 3	0.00 2	0.00 2	0.04 2	11.00 7
1966	0.00 5	0.00 5	0.00 5	0.04 8	0.37 7	1.90 12	2.00 8	2.10 6	11.00 8
1967	0.00 6	0.00 6	0.00 6	0.03 6	0.47 11	0.83 8	2.80 12	2.40 7	8.50 6
1968	0.00 7	0.00 7	0.00 7	0.01 5	0.03 4	0.14 4	0.61 5	0.61 4	1.30 2
1969	0.30 15	0.32 15	0.34 15	0.36 13	0.41 10	0.74 7	1.40 7	16.00 15	19.00 10
1970	0.00 8	0.00 8	0.00 8	0.00 4	0.14 6	0.31 6	1.30 6	9.00 12	20.00 12
1971	0.05 11	0.07 11	0.10 11	0.21 11	0.38 8	1.50 11	2.70 11	2.40 8	6.40 4
1972	0.00 9	0.01 10	0.02 9	0.09 9	7.70 17	17.00 17	20.00 17	23.00 16	38.00 15
1973	0.00 10	0.00 9	0.04 10	0.13 10	0.49 12	6.50 15	11.00 14	11.00 13	32.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	2560.00 15	1110.00 16	652.00 17	405.00 17	400.00 12	303.00 9	227.00 10	197.00 10	154.00 9
1957	4330.00 5	1740.00 11	882.00 12	632.00 11	323.00 15	250.00 14	203.00 14	207.00 8	185.00 6
1958	3110.00 12	1880.00 9	884.00 11	498.00 13	313.00 16	213.00 17	201.00 15	179.00 13	136.00 13
1959	9340.00 2	3810.00 1	1720.00 3	911.00 4	563.00 2	375.00 2	273.00 4	216.00 6	153.00 10
1960	9640.00 1	3540.00 2	1550.00 5	975.00 2	503.00 4	290.00 11	198.00 17	176.00 14	164.00 8
1961	3920.00 6	3340.00 4	1560.00 4	762.00 8	501.00 5	338.00 4	333.00 2	264.00 2	189.00 5
1962	3370.00 11	2330.00 7	1110.00 8	667.00 9	477.00 8	326.00 6	266.00 5	232.00 4	190.00 4
1963	3780.00 8	2040.00 8	1080.00 10	772.00 6	545.00 3	289.00 12	207.00 13	161.00 18	112.00 18
1964	5160.00 4	3120.00 5	1740.00 2	919.00 3	488.00 6	347.00 3	235.00 8	186.00 11	134.00 14
1965	1490.00 18	1060.00 17	622.00 18	397.00 18	286.00 17	196.00 18	200.00 16	166.00 17	113.00 17
1966	2610.00 14	1400.00 13	833.00 13	452.00 16	260.00 18	225.00 16	175.00 18	174.00 16	130.00 15
1967	2110.00 16	1040.00 18	689.00 15	492.00 14	382.00 13	236.00 15	220.00 11	183.00 12	151.00 11
1968	8420.00 3	3410.00 3	1920.00 1	990.00 1	711.00 1	466.00 1	374.00 1	297.00 1	226.00 2
1969	3790.00 7	2470.00 6	1250.00 6	814.00 5	478.00 7	323.00 7	255.00 6	208.00 7	171.00 7
1970	2870.00 13	1140.00 14	684.00 16	468.00 15	342.00 14	291.00 10	231.00 9	197.00 9	146.00 12
1971	3690.00 9	1640.00 12	1110.00 9	649.00 10	410.00 10	263.00 13	215.00 12	176.00 15	125.00 16
1972	3400.00 10	1770.00 10	1160.00 7	765.00 7	467.00 9	336.00 5	293.00 3	228.00 5	190.00 3
1973	1540.00 17	1110.00 15	712.00 14	521.00 12	407.00 11	309.00 8	254.00 7	244.00 3	235.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	64.00 4
1958	111.00 13
1959	137.00 15
1960	54.00 2
1961	93.00 12
1962	133.00 14
1963	89.00 11
1964	47.00 1
1965	64.00 3
1966	69.00 6
1967	68.00 5
1968	72.00 8
1969	149.00 16
1970	85.00 9
1971	89.00 10
1972	70.00 7
1973	153.00 17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	101.00 8
1957	102.00 7
1958	109.00 4
1959	81.00 11
1960	98.00 9
1961	96.00 10
1962	113.00 3
1963	59.00 18
1964	67.00 16
1965	59.00 17
1966	70.00 15
1967	80.00 12
1968	121.00 2
1969	105.00 5
1970	76.00 14
1971	80.00 13
1972	103.00 6
1973	157.00 1

03366000 GRAHAM CREEK NEAR VERNON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	*	*	*	*	*	*	*	*	29.50	10.70	0.43	2.32
1956	36.60	218.00	25.80	82.50	344.00	194.00	75.40	136.00	45.80	21.00	2.79	44.90
1957	5.45	4.05	86.90	147.00	141.00	60.60	278.00	157.00	161.00	184.00	0.65	0.19
1958	0.20	77.00	295.00	81.00	24.90	61.60	114.00	178.00	131.00	253.00	69.30	16.70
1959	8.39	29.60	52.50	468.00	210.00	114.00	45.60	28.00	5.38	6.60	2.84	1.04
1960	3.85	30.50	123.00	129.00	188.00	84.40	41.00	71.00	379.00	135.00	2.45	0.10
1961	0.01	0.55	1.44	9.09	133.00	345.00	147.00	382.00	53.20	61.70	16.00	2.97
1962	0.50	22.40	127.00	245.00	316.00	228.00	39.60	24.90	52.90	306.00	2.81	4.33
1963	10.60	16.00	8.49	37.40	21.60	531.00	31.80	30.60	7.13	1.36	0.30	0.00
1964	0.00	0.00	0.01	7.60	6.93	468.00	208.00	12.00	39.80	56.80	0.15	0.00
1965	0.00	0.03	20.70	93.60	217.00	134.00	222.00	6.05	0.80	4.73	0.36	23.00
1966	37.60	16.20	15.80	199.00	251.00	64.70	188.00	72.40	3.52	1.40	6.47	0.52
1967	1.25	47.60	162.00	28.50	62.50	235.00	137.00	271.00	3.01	0.40	1.72	0.21
1968	0.11	3.72	146.00	70.90	46.90	182.00	219.00	682.00	15.00	15.40	52.60	1.23
1969	0.44	40.80	227.00	406.00	86.70	28.70	178.00	65.70	32.20	187.00	4.92	0.38
1970	0.40	31.30	51.10	93.60	111.00	268.00	305.00	29.30	18.90	0.51	7.12	0.44
1971	5.47	25.00	88.90	78.00	430.00	107.00	32.30	25.80	27.50	19.70	82.90	61.10
1972	23.90	16.90	149.00	90.90	114.00	198.00	442.00	146.00	17.20	12.10	18.00	5.33
1973	9.55	252.00	299.00	144.00	111.00	380.00	226.00	92.00	186.00	157.00	14.20	9.61
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.18	3.97	19.50	62.50	58.60	79.50
FIFTIETH PERCENTILE					
2.55	23.69	87.90	92.20	124.00	188.00
SEVENTY FIFTH PERCENTILE					
9.81	42.50	152.00	160.00	226.00	287.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
44.40	27.40	7.13	4.73	0.65	0.21
FIFTIETH PERCENTILE					
163.00	71.70	29.50	19.69	2.84	1.23
SEVENTY FIFTH PERCENTILE					
223.00	162.00	53.20	157.00	16.00	9.61



## 03366200 HARBERTS CREEK NEAR MADISON, IN

LOCATION.--Lat 38°46'55", long 85°29'08", in SW¼SE¼ sec.14, T.4 N., R.9 E., Jefferson County, Hydrologic Unit 05120207, attached to left downstream wingwall of bridge on County Road 533 West, 0.2 mi west of Smyrna, 3.7 mi upstream from Big Creek, and 4 mi northwest of Madison.

DRAINAGE AREA.--9.31 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 725.75 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 13.5 ft<sup>3</sup>/s, 19.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,540 ft<sup>3</sup>/s Apr. 2, 1970, gage height, 7.89 ft; no flow at times many years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969	37		2	1		6	11	16	12	14	10	12	13	12	35	28	22	24	23	16	13	12	10	11	5	3	5	4	3	4		1			
1970	42	9	13	4	9	6	13	14	4	8	12	23	27	12	13	10	16	20	25	16	17	14	6	12	5	2	6	4	1		1		1		
1971	4	4	4	2	4	3	4	14	10	11	10	14	12	17	35	27	39	26	22	14	23	15	13	11	7	4	6	4	3	1	1		1		
1972	16	6	6	8	5	3	12	17	10	8	20	20	19	14	22	16	21	14	19	18	17	20	20	4	11	7	4	4	3	1		1			
1973		1	1		4	2	6	8	8	5	6	8	20	6	19	18	19	15	17	29	26	35	35	28	12	12	9	9	3	2	1	1			
1974	2	1	1	1	1	2	12	14	14	8	19	13	27	14	12	10	16	24	32	20	23	21	17	16	9	10	11	8	1	4	1	1			
1975	21					6	22	8	1	6	11	7	31	22	8	16	24	24	22	26	32	17	22	11	7	7	5	1	4	1	1	1	2		
1976			1	4	2	11	18	11	13	9	22	12	14	17	34	17	32	31	28	20	16	14	12	3	8	5	3	4	2	1	1	1			
1977			1			4	2	4	6	7	16	52	40	24	36	35	24	14	17	16	7	10	14	6	10	5	3	4	3	2	2	1			
1978					3	2	2	4	5	9	13	18	20	22	54	41	20	29	25	15	16	22	7	6	8	5	5	2	5	4	1	2			
1979										5	9	6	14	32	32	24	40	48	37	24	17	18	14	5	10	7	6	3	5	4	4	1			
1980				1	2	4	7	15	10	9	7	6	10	12	15	37	35	45	33	21	22	20	13	11	7	5	8	3	3	2	3				
1981	21	3	5	4	2	5	4	5	14	15	27	22	15	16	24	14	21	28	34	20	24	11	11	3	4	7	1	3	1	1					
1982	5		4	10	1	5	6	8	9	6	5	16	26	16	27	23	19	22	34	27	26	14	8	15	5	6	1	5	4	6	3	1	2		
1983	51	2	3	3	2		5	2	4	7	8	27	12	19	13	20	26	26	25	30	19	9	11	8	9	4	5	6	3	3	1	2			
1984	8	2	8	13	5	5	10	6	8	8	5	15	10	12	13	17	15	16	27	25	33	22	25	15	12	6	8	2	8	4	1	2			
1985	4	2	2	4	4	7	4	5	6	11	16	17	11	16	15	17	32	27	17	29	25	22	19	13	11	10	1	6	5	4	1	1		1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	211	6209	100.00	12	0.54	298	4738	76.31	24	29.0	140	590	9.50
1	0.01	28	5998	96.60	13	0.75	263	4440	71.51	25	40.0	118	450	7.25
2	0.02	49	5970	96.15	14	1.0	392	4177	67.27	26	56.0	86	332	5.35
3	0.03	55	5921	95.36	15	1.5	354	3785	60.96	27	78.0	86	246	3.96
4	0.04	41	5866	94.48	16	2.0	414	3431	55.26	28	110.0	52	160	2.58
5	0.05	66	5825	93.82	17	2.8	406	3017	48.59	29	150.0	50	108	1.74
6	0.07	114	5759	92.75	18	3.9	467	2611	42.05	30	210.0	26	58	0.93
7	0.10	158	5645	90.92	19	5.5	392	2144	34.53	31	290.0	19	32	0.52
8	0.14	143	5487	88.37	20	7.6	366	1752	28.22	32	410.0	12	13	0.21
9	0.20	130	5344	86.07	21	11.0	316	1386	22.32	33	570.0	1	1	0.02
10	0.28	204	5214	83.97	22	15.0	276	1070	17.23	34				
11	0.38	272	5010	80.69	23	21.0	204	794	12.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.03  
P90 = 0.11  
P75 = 0.60  
P70 = 0.84  
P50 = 2.6  
P25 = 9.5  
P10 = 27.8

## WABASH RIVER BASIN

03366200 HARBERTS CREEK NEAR MADISON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.05 1	0.16 2	0.49 2	1.10 1
1971	0.00 2	0.00 2	0.00 2	0.06 8	0.16 7	0.31 4	0.48 7	0.77 5	1.70 5
1972	0.00 3	0.00 3	0.02 9	0.06 9	0.23 8	0.64 11	0.73 9	0.77 6	3.40 8
1973	0.00 4	0.00 4	0.00 3	0.05 5	0.09 5	0.49 7	0.46 6	0.55 3	2.50 6
1974	0.01 11	0.02 11	0.06 12	0.10 12	0.25 9	0.39 6	0.43 4	0.68 4	4.10 9
1975	0.00 5	0.00 5	0.03 10	0.08 11	0.28 11	0.50 8	0.90 12	2.30 13	4.70 12
1976	0.00 6	0.00 6	0.00 4	0.06 6	0.07 4	0.32 5	0.45 5	1.50 10	3.00 7
1977	0.02 12	0.03 12	0.05 11	0.07 10	0.25 10	0.75 12	0.87 10	1.19 8	1.50 4
1978	0.03 13	0.04 13	0.09 14	0.20 13	0.56 13	1.50 15	3.10 14	3.50 14	4.10 10
1979	0.05 14	0.06 14	0.08 13	0.23 14	0.60 14	1.10 13	4.80 15	5.60 15	5.90 13
1980	0.29 16	0.30 15	0.35 15	0.60 15	1.10 16	4.60 16	5.80 16	9.60 16	11.00 16
1981	0.00 7	0.00 7	0.00 5	0.04 4	0.14 6	0.58 10	0.66 8	0.88 7	1.19 3
1982	0.00 8	0.00 8	0.00 6	0.00 2	0.02 3	0.13 3	0.17 3	0.36 1	1.10 2
1983	0.22 15	0.31 16	0.46 16	0.71 16	0.80 15	1.40 14	1.70 13	1.80 12	9.50 15
1984	0.00 9	0.00 9	0.00 7	0.00 3	0.00 2	0.09 2	0.14 1	1.50 11	8.30 14
1985	0.00 10	0.00 10	0.00 8	0.06 7	0.42 12	0.54 9	0.87 11	1.30 9	4.20 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	298.00 15	218.00 8	108.00 11	73.00 9	48.00 11	32.00 15	25.00 16	23.00 13	18.00 11
1970	506.00 5	200.00 11	93.00 12	69.00 11	48.00 12	33.00 13	27.00 14	22.00 15	15.00 16
1971	527.00 4	206.00 10	131.00 7	76.00 8	50.00 6	32.00 14	28.00 13	23.00 14	17.00 14
1972	421.00 9	192.00 12	116.00 9	78.00 6	45.00 14	37.00 8	30.00 9	24.00 11	18.00 12
1973	320.00 13	139.00 15	83.00 14	50.00 15	41.00 15	37.00 9	30.00 10	27.00 9	27.00 7
1974	314.00 14	177.00 13	89.00 13	58.00 14	50.00 7	35.00 11	33.00 6	28.00 8	25.00 9
1975	476.00 7	211.00 9	116.00 10	82.00 4	55.00 5	44.00 3	38.00 4	35.00 1	29.00 4
1976	293.00 16	133.00 16	71.00 16	41.00 16	37.00 16	31.00 16	25.00 15	21.00 16	15.00 15
1977	322.00 12	155.00 14	78.00 15	62.00 13	46.00 13	37.00 10	31.00 8	23.00 12	18.00 13
1978	475.00 8	287.00 4	157.00 2	93.00 3	68.00 3	43.00 6	32.00 7	33.00 5	28.00 5
1979	534.00 3	240.00 7	150.00 3	80.00 5	62.00 4	44.00 4	41.00 2	35.00 2	31.00 1
1980	388.00 10	243.00 6	137.00 6	68.00 12	49.00 8	34.00 12	29.00 11	25.00 10	25.00 10
1981	205.00 17	81.00 17	39.00 17	37.00 17	23.00 17	18.00 17	14.00 17	15.00 17	11.00 17
1982	568.00 2	292.00 3	142.00 5	116.00 1	70.00 2	52.00 2	42.00 1	34.00 3	30.00 2
1983	487.00 6	368.00 1	221.00 1	114.00 2	78.00 1	53.00 1	38.00 3	31.00 6	30.00 3
1984	348.00 11	247.00 5	122.00 8	72.00 10	49.00 9	43.00 5	35.00 5	28.00 7	26.00 8
1985	686.00 1	310.00 2	145.00 4	77.00 7	49.00 10	40.00 7	29.00 12	33.00 4	28.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	7.90 4
1971	12.00 6
1972	7.20 2
1973	15.00 10
1974	14.00 8
1975	19.00 15
1976	11.00 5
1977	6.40 1
1978	17.00 11
1979	17.00 12
1980	19.00 13
1981	7.60 3
1982	14.00 9
1983	13.00 7
1984	20.00 16
1985	19.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	9.90 13
1970	8.10 16
1971	11.00 11
1972	9.60 14
1973	17.00 3
1974	14.00 10
1975	16.00 9
1976	8.50 15
1977	10.00 12
1978	17.00 4
1979	21.00 1
1980	16.00 5
1981	6.10 17
1982	17.00 2
1983	16.00 6
1984	16.00 7
1985	16.00 8

03366200 HARBERTS CREEK NEAR MADISON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
*	*	*	*	*	*	*	*	*	*	*	*	*
1968	0.21	3.20	20.90	36.20	13.50	4.72	24.20	5.63	7.36	2.59	0.89	0.69
1969	0.08	1.38	3.03	5.38	13.70	31.50	33.80	3.79	2.17	0.38	0.76	1.52
1970	3.67	5.17	17.60	10.90	51.90	13.20	3.05	3.67	5.41	12.30	1.35	1.16
1971	0.70	0.80	8.26	8.56	16.50	24.40	44.10	7.85	0.62	0.44	0.69	2.68
1972	2.88	30.50	31.10	13.50	12.10	37.10	35.80	8.19	23.30	5.95	0.59	0.52
1973	0.32	11.70	9.78	29.70	12.00	35.10	29.90	32.10	3.75	0.37	1.29	6.72
1974	2.73	13.90	21.80	26.80	33.60	52.00	27.30	2.43	11.00	0.92	0.11	0.58
1975	4.59	5.93	20.30	29.90	20.90	10.10	2.65	1.12	4.12	0.41	1.26	1.46
1976	5.83	1.95	1.52	0.49	21.70	35.40	19.50	16.70	1.46	9.06	8.21	0.87
1977	3.01	27.30	47.90	18.70	1.95	44.60	9.50	21.10	0.86	3.81	16.10	1.36
1978	9.63	11.30	47.60	31.10	43.00	10.20	42.10	6.85	4.53	8.03	21.40	18.70
1979	5.42	48.60	19.50	16.80	9.31	33.10	18.40	32.60	4.90	2.36	1.67	0.28
1980	1.13	1.58	1.83	1.92	17.90	6.99	14.60	20.10	3.83	3.70	0.78	0.13
1981	0.24	0.29	4.71	57.50	21.20	37.50	15.80	22.50	27.20	8.44	2.00	1.54
1982	1.80	18.00	34.60	11.90	11.60	6.02	38.80	61.10	12.90	0.69	0.17	0.00
1983	28.80	22.80	19.20	6.02	14.20	36.70	41.20	20.60	0.71	3.44	0.82	0.46
1984	3.51	32.60	39.80	11.50	29.80	44.70	11.50	5.55	4.19	2.40	4.91	0.25

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.51	1.76	6.48	7.29	12.10	10.20
FIFTIETH PERCENTILE					
2.88	11.30	19.50	13.50	16.50	33.10
SEVENTY FIFTH PERCENTILE					
5.00	25.00	32.80	29.80	25.70	37.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
13.10	4.67	1.81	0.57	0.67	0.27
FIFTIETH PERCENTILE					
24.19	8.19	4.19	2.59	1.07	0.78
SEVENTY FIFTH PERCENTILE					
37.30	21.80	9.18	6.99	2.73	1.52

## 03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN

LOCATION.--Lat 38°48'15", long 85°40'26", in SW¼NE¼ sec.7, T.4 N., R.8 E., Jefferson County, Hydrologic Unit 05120207, on left bank at downstream side of highway bridge, 1.4 mi northwest of Deputy, 1.9 mi upstream from Coffee Creek, 2.4 mi downstream from confluence of Graham Creek and Big Creek, and at mile 50.0.

DRAINAGE AREA.--293 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1947 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 540.00 ft above National Geodetic Vertical Datum of 1929. Prior to June 22, 1955, nonrecording gage at same site. Prior to Aug. 25, 1983, at datum 1.17 ft higher.

AVERAGE DISCHARGE.--37 years (water years 1949 to 1985), 352 ft<sup>3</sup>/s, 16.31 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,200 ft<sup>3</sup>/s Jan. 21, 1959, from rating curve extended above 25,000 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow, gage height, 34.3 ft, present datum, from floodmarks; no flow at times many years.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1949	31	1			1	3	2	1	6	5	8	8	5	17	11	22	18	15	29	28	22	26	30	27	6	9	5	5	6	5	7	3	2	1			
1950				3					1		4	2	5	13	14	29	33	24	20	34	20	30	29	30	12	17	9	10	5	8	6	5	2				
1951				1	10	5	8	11	10	4	19	4	10	7	11	14	7	22	12	25	19	31	34	20	15	26	13	13	4	2	5	2	1				
1952					12	5	16	28	23	21	10	12	8	15	11	18	16	7	11	23	24	31	17	18	11	12	5	5	4	2	1						
1953	21	4	1	7	21	16	18	2	2	3	10	21	18	8	21	12	12	9	30	28	22	24	17	14	6	8	6		1	2	1						
1954	129	1	1	3	12	4	10	16	18	3	10	13	8	18	13	22	26	21	6	5	3	1															
1955	17	10	2	2	4		4	7	1	6	23	17	25	12	20	15	27	13	12	24	30	11	18	20	12	8	8	5	3	2	4	3					
1956									1	1	2	4	6	9	18	33	40	38	33	25	24	24	28	23	14	15	11	3	5	2	7						
1957									13	9	2	8	26	24	23	17	22	16	36	36	26	32	28	13	12	6	5	3	3	3		1	1				
1958					5				2	2	1	2	5	8	19	9	16	25	28	48	37	29	36	28	20	16	10	7	5	3	1	3					
1959				3	6	2	3	2	7	7	12	12	10	10	7	40	33	26	31	23	20	17	29	22	16	10	7	5	3				1	1			
1960	5	1	3	3	3	6	6	4	5	1	7	19	14	6	9	7	20	35	40	42	26	22	22	10	26	8	3	4	2	3	3			1			
1961	11	1		1	5	8	5	8	9	10	11	10	15	24	39	18	11	16	20	25	21	13	20	13	13	10	7	9	4	4		1	2	1			
1962									3	10	7	3	26	23	18	7	14	14	26	24	29	45	39	18	20	12	11	4	3	2	2	5					
1963	7	13	4	11	5	1	3		5	7	4	11	12	11	26	10	33	49	45	28	17	14	8	7	6	6		1	4	1	1			1			
1964	27	65	18	15	4	7	4	5	5	2	6	6	5	5	29	30	19	22	9	10	13	14	6	15	8	6	2	2	2	1	1		1	2			
1965	20	21	5			1	2	10	12	11	18	10	15	19	26	23	11	18	20	19	26	20	20	8	14	6	5	3	1	1							
1966									1	8	22	24	23	11	15	33	37	22	17	31	25	32	16	11	8	10	4	5	7		1	2					
1967	1	2	13	9	7	8	8	12	12	27	8	18	10	10	10	20	20	18	30	21	17	21	18	12	11	9	6	4		3							
1968		2	3	2	7	7	1	3	2	4	5	27	20	24	21	26	25	19	17	22	22	26	27	15	13	6	9	3	4	3				1			
1969									17	9	18	26	7	7	21	16	18	30	28	30	25	23	24	20	17	7	8	7	1	3	2		1				
1970					1	4	12	8	17	27	33	16	17	16	34	19	19	28	26	23	17	16	11	7	4	5	4						1				
1971									7	5	10	7	36	23	29	39	37	50	25	19	16	18	13	13	8	2	4	3				1					
1972			2	4	5	3	8	5	1	2	7	16	30	18	40	15	22	21	29	18	27	28	16	15	9	9	2	9	2	2			1				
1973									4	4	3	9	20	19	14	9	10	19	27	28	32	42	31	30	19	19	12	7	6	1							
1974									4	14	23	12	26	17	15	14	24	24	35	29	33	20	19	20	12	9	7	7	1								
1975									1	7	14	13	15	17	8	14	24	23	23	22	28	47	39	25	18	12	4	3	1	5	1	1					
1976									1	4	10	15	15	39	22	29	27	27	32	42	34	18	13	17	7	4	4	2	1	1	2						
1977												4	52	54	34	36	27	19	21	22	15	19	15	16	10	8	5	4	1	2	1						
1978												4	14	26	26	29	54	47	29	24	22	21	23	13	10	9	6	4	2	1	1						
1979												6	5	1	9	21	28	39	52	42	39	22	26	19	21	10	7	6	2	6	3	1					
1980											2	5	9	16	13	13	17	46	47	40	28	32	31	21	11	10	12	2	5	4	2						
1981									9	12	6	12	9	6	22	36	35	34	30	24	21	23	24	20	13	12	9	5	1	2							
1982									9	6	6	12	16	15	20	17	26	28	22	26	31	26	27	16	19	16	8	10	4	2	1		1	1			
1983					11	14	3		8	3	5	5	11	17	19	20	12	20	28	33	25	27	22	20	10	11	6	1	4	4	2	2					
1984					3				1	4	15	14	12	11	18	12	15	21	25	24	28	24	30	37	28	19	6	8	5	1	3	2					
1985									5	4	4	4	5	10	10	7	28	31	47	35	32	27	29	22	22	14	8	7	4	4	3	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	268	13514	100.00	12	5.9	461	11598	85.82	24	510.0	577	1936	14.33
1	0.10	117	13246	98.02	13	8.6	502	11137	82.41	25	740.0	448	1359	10.06
2	0.15	38	13129	97.15	14	12.0	734	10635	78.70	26	1100.0	297	911	6.74
3	0.21	62	13091	96.87	15	18.0	713	9901	73.26	27	1600.0	216	614	4.54
4	0.31	80	13029	96.41	16	26.0	821	9188	67.99	28	2300.0	139	398	2.95
5	0.44	106	12949	95.82	17	38.0	866	8367	61.91	29	3300.0	98	259	1.92
6	0.64	100	12843	95.03	18	55.0	964	7501	55.51	30	4700.0	88	161	1.19
7	0.93	92	12743	94.29	19	80.0	1082	6537	48.37	31	6900.0	43	73	0.54
8	1.3	193	12651	93.61	20	120.0	943	5455	40.37	32	9900.0	19	30	0.22
9	2.0	199	12458	92.19	21	170.0	900	4512	33.39	33	14000.0	10	11	0.08
10	2.8	310	12259	90.71	22	240.0	923	3612	26.73	34	21000.0	1	1	0.01
11	4.1	351	11949	88.42	23	350.0	753	2689	19.90					

## 03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.65  
 P90 = 3.2  
 P75 = 16.1  
 P70 = 22.9  
 P50 = 74.3  
 P25 = 268.0  
 P10 = 746.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.08 5	2.40 6	12.00 9	22.00 7
1950	0.40 13	0.40 13	0.83 14	3.20 20	12.00 29	28.00 30	30.00 26	44.00 26	86.00 22
1951	1.80 22	3.10 27	4.00 28	6.60 29	22.00 34	35.00 33	56.00 32	65.00 32	178.00 31
1952	0.30 10	0.37 12	0.39 12	0.42 10	0.73 10	2.70 10	3.10 8	3.80 8	30.00 11
1953	0.30 11	0.30 9	0.37 11	0.39 9	0.42 8	1.60 8	2.90 7	2.90 6	15.00 6
1954	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.06 2	0.56 2	3.00 2
1955	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 2	0.00 1	0.72 3	3.30 3
1956	0.00 4	0.00 4	0.06 7	0.16 7	0.32 7	9.30 17	30.00 27	49.00 29	85.00 21
1957	1.30 20	2.50 23	4.10 29	9.40 34	11.00 28	20.00 26	69.00 35	60.00 31	77.00 19
1958	0.80 16	0.80 15	0.94 15	2.30 17	4.80 20	12.00 20	14.00 18	23.00 16	277.00 37
1959	8.50 36	9.10 36	11.00 36	13.00 36	23.00 35	46.00 35	59.00 33	100.00 34	246.00 35
1960	0.30 12	0.30 10	0.36 9	0.49 11	1.19 12	5.10 13	8.50 12	13.00 10	30.00 12
1961	0.00 5	0.00 5	0.00 4	0.02 6	0.16 6	0.40 6	0.92 5	2.30 5	8.00 5
1962	1.90 23	1.90 21	2.00 20	2.30 18	3.50 18	5.40 14	15.00 19	37.00 21	88.00 24
1963	7.20 34	7.40 34	7.70 33	8.20 30	14.00 31	37.00 34	40.00 29	49.00 30	74.00 18
1964	0.00 6	0.00 6	0.00 5	0.00 4	0.04 5	0.06 3	0.09 3	0.13 1	2.70 1
1965	0.00 7	0.00 7	0.00 6	0.00 5	0.03 4	0.06 4	0.15 4	0.90 4	26.00 8
1966	1.19 18	1.40 19	1.80 19	2.60 19	2.60 17	15.00 23	17.00 20	20.00 14	49.00 16
1967	0.70 15	0.93 16	1.19 17	1.80 16	2.30 16	3.00 11	11.00 15	13.00 11	29.00 10
1968	0.14 8	0.19 8	0.21 8	0.25 8	0.49 9	1.10 7	3.20 9	3.70 7	7.70 4
1969	3.40 29	3.50 29	3.70 26	4.00 22	4.30 19	5.70 15	13.00 17	42.00 25	81.00 20
1970	0.90 17	1.00 17	1.10 16	1.30 14	1.50 14	2.00 9	4.60 10	18.00 13	41.00 13
1971	2.80 28	3.00 26	3.40 23	4.40 24	5.40 21	11.00 18	10.00 13	13.00 12	27.00 9
1972	4.50 31	5.10 31	6.10 31	8.80 32	24.00 36	32.00 31	45.00 30	46.00 28	104.00 27
1973	0.30 9	0.31 11	0.37 10	0.50 12	1.10 11	17.00 24	22.00 21	24.00 17	90.00 25
1974	2.10 24	2.20 22	2.60 22	4.10 23	8.70 25	11.00 19	11.00 16	25.00 18	164.00 30
1975	3.60 30	3.60 30	4.00 27	5.30 27	7.30 23	20.00 27	59.00 34	158.00 35	208.00 34
1976	2.60 25	3.20 28	4.20 30	5.00 26	8.40 24	13.00 21	27.00 25	38.00 23	87.00 23
1977	2.60 26	2.80 24	3.50 24	6.10 28	9.20 26	15.00 22	25.00 22	37.00 22	44.00 14
1978	8.40 35	8.90 35	9.60 35	12.00 35	18.00 32	35.00 32	53.00 31	86.00 33	156.00 29
1979	6.80 32	7.20 32	8.10 34	8.90 33	13.00 30	71.00 36	166.00 37	195.00 36	186.00 32
1980	23.00 37	24.00 37	27.00 37	38.00 37	68.00 37	97.00 37	144.00 36	229.00 37	250.00 36
1981	1.50 21	1.60 20	2.10 21	3.60 21	6.60 22	21.00 28	27.00 23	40.00 24	47.00 15
1982	1.30 19	1.40 18	1.50 18	1.80 15	2.10 15	4.30 12	6.00 11	21.00 15	72.00 17
1983	7.20 33	7.20 33	7.30 32	8.20 31	9.70 27	19.00 25	32.00 28	33.00 20	153.00 28
1984	0.57 14	0.57 14	0.58 13	0.62 13	1.30 13	5.70 16	10.00 14	32.00 19	199.00 33
1985	2.60 27	2.80 25	3.60 25	4.90 25	20.00 33	21.00 29	27.00 24	45.00 27	104.00 26

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	17400.00 5	9610.00 5	6370.00 4	3910.00 4	2720.00 2	1770.00 2	1570.00 2	1330.00 2	953.00 2
1950	12400.00 12	9170.00 6	5240.00 7	4640.00 1	3030.00 1	2420.00 1	1830.00 1	1620.00 1	1180.00 1
1951	9970.00 19	4660.00 24	3140.00 20	2060.00 19	1510.00 16	1260.00 11	1160.00 4	1110.00 3	941.00 3
1952	8310.00 24	4610.00 25	2440.00 28	1680.00 27	1290.00 26	1160.00 15	964.00 14	921.00 8	674.00 15
1953	4820.00 35	2400.00 35	1260.00 36	786.00 36	598.00 36	446.00 36	385.00 36	362.00 36	305.00 36
1954	365.00 37	283.00 37	167.00 37	129.00 37	113.00 37	90.00 37	76.00 37	66.00 37	50.00 37
1955	8170.00 25	4790.00 22	3650.00 17	2990.00 8	2400.00 3	1490.00 4	1130.00 7	905.00 10	637.00 20
1956	6290.00 31	3720.00 31	2840.00 25	1720.00 26	1690.00 13	1260.00 12	917.00 16	764.00 20	591.00 22
1957	14000.00 9	5350.00 20	3060.00 22	2020.00 20	1080.00 30	872.00 28	757.00 24	748.00 21	669.00 16
1958	8130.00 26	4520.00 26	2340.00 30	1840.00 24	1300.00 25	901.00 25	731.00 27	568.00 31	561.00 23
1959	32400.00 1	16500.00 1	7620.00 2	4030.00 2	2350.00 4	1550.00 3	1140.00 5	912.00 9	650.00 17
1960	18300.00 4	7520.00 11	3380.00 18	2530.00 14	1350.00 22	781.00 32	538.00 35	506.00 35	513.00 26

## 03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	20200.00	3	13900.00	2	6610.00	3	3260.00	6	2060.00	7	1340.00	7	1310.00	3	1100.00	4	760.00	9
1962	8750.00	23	7840.00	10	4690.00	8	2730.00	11	1850.00	11	1300.00	9	1060.00	10	902.00	11	683.00	12
1963	14200.00	8	7190.00	14	3870.00	12	2980.00	9	2060.00	8	1100.00	19	789.00	22	615.00	26	435.00	31
1964	20900.00	2	12900.00	3	7640.00	1	4030.00	3	2130.00	6	1380.00	6	938.00	15	780.00	17	535.00	25
1965	5820.00	34	3120.00	34	2010.00	33	1310.00	33	977.00	34	724.00	35	712.00	31	596.00	29	413.00	33
1966	7430.00	27	5200.00	21	3130.00	21	1730.00	25	1020.00	32	812.00	30	693.00	32	660.00	25	487.00	28
1967	6720.00	30	3250.00	33	2480.00	26	1600.00	28	1130.00	29	787.00	31	724.00	28	605.00	28	501.00	27
1968	16300.00	7	8920.00	7	5330.00	6	2790.00	10	1940.00	9	1300.00	10	1090.00	8	862.00	13	678.00	13
1969	12300.00	13	7450.00	12	3770.00	15	2480.00	15	1530.00	15	1010.00	21	774.00	23	668.00	24	539.00	24
1970	10400.00	18	4470.00	27	2110.00	31	1510.00	31	1000.00	33	777.00	33	644.00	33	534.00	33	389.00	35
1971	9880.00	20	4750.00	23	3180.00	19	1970.00	21	1310.00	24	838.00	29	724.00	29	593.00	30	425.00	32
1972	11000.00	16	5960.00	19	3720.00	16	2640.00	12	1710.00	12	1140.00	18	1000.00	13	782.00	16	613.00	21
1973	6150.00	33	3880.00	30	2370.00	29	1860.00	22	1440.00	19	1160.00	16	896.00	18	783.00	15	773.00	8
1974	6230.00	32	4330.00	28	2480.00	27	1490.00	32	1350.00	23	923.00	23	914.00	17	779.00	18	647.00	18
1975	11200.00	15	6090.00	18	2870.00	24	1860.00	23	1420.00	20	1140.00	17	1020.00	12	924.00	7	780.00	7
1976	7230.00	28	3710.00	32	2010.00	32	1170.00	35	1070.00	31	891.00	26	744.00	25	606.00	27	446.00	30
1977	6940.00	29	4230.00	29	1980.00	34	1570.00	29	1180.00	27	878.00	27	724.00	30	551.00	32	482.00	29
1978	12300.00	14	7320.00	13	3850.00	13	2100.00	17	1470.00	17	915.00	24	743.00	26	731.00	22	676.00	14
1979	10700.00	17	6890.00	16	4520.00	9	2540.00	13	1620.00	14	1250.00	13	1140.00	6	977.00	5	860.00	4
1980	9720.00	21	7170.00	15	4240.00	10	2160.00	16	1440.00	18	1080.00	20	878.00	20	773.00	19	732.00	10
1981	3600.00	36	2170.00	36	1940.00	35	1200.00	34	805.00	35	763.00	34	590.00	34	522.00	34	410.00	34
1982	17000.00	6	8140.00	9	4040.00	11	3130.00	7	1870.00	10	1310.00	8	1060.00	9	891.00	12	707.00	11
1983	13300.00	11	10300.00	4	6190.00	5	3370.00	5	2180.00	5	1480.00	5	1040.00	11	861.00	14	810.00	5
1984	9020.00	22	6270.00	17	3050.00	23	1570.00	30	1170.00	28	1000.00	22	823.00	21	684.00	23	639.00	19
1985	13600.00	10	8210.00	8	3810.00	14	2070.00	18	1410.00	21	1160.00	14	881.00	19	954.00	6	791.00	6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	567.00	35
1950	569.00	36
1951	584.00	37
1952	377.00	21
1953	139.00	2
1954	67.00	1
1955	297.00	16
1956	336.00	20
1957	219.00	8
1958	450.00	25
1959	506.00	29
1960	200.00	5
1961	296.00	15
1962	538.00	34
1963	321.00	19
1964	204.00	6
1965	228.00	10
1966	256.00	13
1967	240.00	12
1968	235.00	11
1969	454.00	26
1970	219.00	9
1971	289.00	14
1972	208.00	7
1973	494.00	27
1974	402.00	23
1975	517.00	31
1976	309.00	18
1977	169.00	3
1978	394.00	22
1979	497.00	28
1980	531.00	32
1981	179.00	4
1982	433.00	24
1983	304.00	17
1984	531.00	33
1985	507.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	555.00	2
1950	636.00	1
1951	499.00	4
1952	347.00	20
1953	157.00	36
1954	25.00	37
1955	331.00	22
1956	378.00	17
1957	370.00	19
1958	406.00	14
1959	343.00	21
1960	311.00	24
1961	389.00	16
1962	412.00	11
1963	234.00	32
1964	269.00	27
1965	220.00	34
1966	262.00	30
1967	263.00	29
1968	374.00	18
1969	307.00	25
1970	206.00	35
1971	265.00	28
1972	322.00	23
1973	479.00	5
1974	410.00	12
1975	434.00	9
1976	247.00	31
1977	269.00	26
1978	421.00	10
1979	546.00	3
1980	452.00	6
1981	226.00	33
1982	391.00	15
1983	437.00	8
1984	406.00	13
1985	440.00	7

## 03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	*	*	*	*	*	*	1033.0	106.00	35.90	32.30	13.50	0.34
1949	0.06	374.00	619.00	2632.0	805.00	1153.0	126.00	32.90	780.00	31.00	87.00	13.10
1950	54.10	23.80	433.00	2896.0	1826.0	608.00	780.00	377.00	495.00	40.00	33.20	140.00
1951	55.60	810.00	890.00	1264.0	1213.0	964.00	549.00	177.00	84.10	20.70	1.06	6.70
1952	1.58	72.30	1019.0	858.00	934.00	806.00	350.00	43.30	78.00	7.45	2.09	5.68
1953	2.15	2.80	79.80	564.00	113.00	416.00	297.00	351.00	11.70	26.50	3.89	0.07
1954	0.00	0.16	3.20	28.20	18.10	65.20	94.80	62.90	30.10	0.42	0.00	0.00
1955	8.69	4.83	93.50	324.00	1425.0	1597.0	229.00	154.00	95.80	77.40	6.69	31.10
1956	144.00	692.00	97.80	313.00	1485.0	768.00	247.00	425.00	159.00	97.80	34.90	130.00
1957	64.80	21.60	221.00	474.00	554.00	223.00	1078.0	567.00	616.00	606.00	14.30	21.30
1958	10.40	463.00	1260.0	338.00	134.00	268.00	468.00	555.00	289.00	661.00	320.00	64.60
1959	28.60	106.00	279.00	2068.0	737.00	482.00	187.00	154.00	39.00	23.90	13.60	1.66
1960	13.90	97.40	370.00	458.00	727.00	327.00	163.00	161.00	879.00	545.00	8.24	0.61
1961	0.35	1.94	7.79	35.40	392.00	1363.0	564.00	1633.0	454.00	89.90	85.40	21.40
1962	4.52	86.70	409.00	983.00	1325.0	841.00	205.00	264.00	210.00	582.00	14.40	67.00
1963	52.70	99.60	51.70	160.00	103.00	2001.0	113.00	132.00	40.50	15.00	1.80	0.13
1964	0.04	0.15	0.21	27.40	26.80	2055.0	626.00	57.60	311.00	97.40	1.39	0.11
1965	0.04	2.89	80.00	308.00	762.00	538.00	796.00	50.20	13.60	33.40	2.65	103.00
1966	116.00	44.50	50.50	669.00	967.00	294.00	679.00	320.00	16.60	18.60	26.50	3.35
1967	2.79	130.00	529.00	98.20	226.00	829.00	377.00	910.00	19.00	5.05	7.38	1.20
1968	1.14	13.00	467.00	229.00	198.00	575.00	728.00	1834.0	127.00	139.00	124.00	20.40
1969	4.32	76.90	616.00	1230.0	388.00	124.00	601.00	225.00	127.00	273.00	16.60	2.06
1970	1.98	52.80	89.90	220.00	338.00	688.00	833.00	122.00	101.00	14.10	13.60	11.90
1971	22.60	75.20	347.00	304.00	1368.0	357.00	110.00	118.00	122.00	241.00	122.00	72.50
1972	40.10	25.80	302.00	297.00	371.00	671.00	1497.0	554.00	25.90	14.00	46.70	30.30
1973	41.80	708.00	904.00	414.00	343.00	1346.0	923.00	220.00	463.00	341.00	23.70	12.20
1974	10.00	442.00	305.00	890.00	304.00	884.00	838.00	499.00	172.00	14.80	77.80	480.00
1975	89.50	480.00	535.00	790.00	1035.0	1241.0	630.00	141.00	222.00	23.20	10.30	54.80
1976	148.00	123.00	570.00	973.00	642.00	188.00	73.20	23.80	136.00	38.00	40.90	18.30
1977	85.30	78.20	34.40	9.24	555.00	964.00	325.00	349.00	66.20	536.00	212.00	23.00
1978	56.60	344.00	1256.0	311.00	69.00	1119.0	330.00	720.00	75.70	201.00	447.00	57.90
1979	165.00	312.00	1152.0	889.00	1357.0	306.00	1086.0	209.00	104.00	194.00	533.00	315.00
1980	134.00	1438.0	591.00	572.00	239.00	964.00	483.00	586.00	185.00	106.00	87.00	30.40
1981	25.80	53.80	64.50	30.40	324.00	186.00	754.00	551.00	397.00	248.00	86.10	5.84
1982	4.70	22.90	182.00	1441.0	756.00	755.00	491.00	404.00	413.00	164.00	37.10	33.70
1983	27.30	370.00	998.00	310.00	277.00	126.00	897.00	1967.0	194.00	44.20	7.37	4.81
1984	720.00	560.00	575.00	152.00	352.00	867.00	1056.0	398.00	27.20	102.00	29.40	28.20
1985	73.10	750.00	1141.0	372.00	988.00	1156.0	368.00	132.00	98.40	51.50	170.00	20.60

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.47	23.30	84.90	225.00	258.00	317.00
FIFTIETH PERCENTILE					
25.80	86.70	370.00	372.00	554.00	755.00
SEVENTY FIFTH PERCENTILE					
68.90	408.00	618.00	890.00	978.00	1042.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
243.00	130.00	40.10	22.60	7.38	3.03
FIFTIETH PERCENTILE					
520.00	245.00	125.00	64.40	25.10	20.50
SEVENTY FIFTH PERCENTILE					
805.00	552.00	295.00	211.00	86.30	55.60

## 03367000 MUSCATATUCK RIVER NEAR AUSTIN, IN

LOCATION.--Lat 38°46'13", long 85°49'21", in NW¼SE¼ sec.23, T.4 N., R.6 E., Scott County, Hydrologic Unit 05120207, on right bank 15 ft downstream from bridge on U.S. Highway 31, 2 mi northwest of Austin, and 5.5 mi upstream from W. L. McClain ditch.

DRAINAGE AREA.--359 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1932 to September 1971 (discontinued) (high-water records only since October 1943).

GAGE.--Water-stage recorder. Datum of gage is 513.96 ft above National Geodetic Vertical Datum of 1929. Prior to June 22, 1934, nonrecording gage at same site and datum. Nov. 8 to Dec. 30, 1939, nonrecording gage approximately 0.5 mi upstream at different datum. Aug. 1, 1940, to Sept. 30, 1943, auxiliary gage (for low flows) at Slate-Ford bridge 2.2 mi upstream at different datum.

AVERAGE DISCHARGE.--10 years (1932-35, 1936-43), 387 ft<sup>3</sup>/s, 14.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,900 ft<sup>3</sup>/s Jan. 22, 1959, gage height, 29.20 ft.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1933											8	21	18	15	20	18	19	11	20	32	16	18	19	17	22	24	20	21	9	5	2	1	7	2	
1934										13	19	12	19	24	20	70	48	35	22	18	16	13	9	6	6	3	4	5	3						
1935										2	15	44	24	19	15	17	29	26	10	21	24	24	15	15	17	11	13	14	5	2	1	2			
1937									2	4	3	6	9	14	22	34	30	38	29	43	13	20	16	10	17	12	15	10	6	3	1	1	4	3	
1938													5	14	20	31	62	38	30	18	20	25	22	24	15	15	9	8	6	1	1	1			
1939								5	20	22	14	6	3	5	3	46	37	46	24	16	19	15	10	18	12	12	13	10	4		2	2	1		
1940						2	14	10	57	25	37	15	10	15	14	5	9	8	33	28	23	18	11	9	6	4	5	3	3			1	1		
1941				1	1		1	2	16	18	14	17	13	36	43	37	41	35	25	21	13	7	9	2	2	2	3	1	2	1	1	1			
1942							3	6	22	8	4	6	14	11	15	34	34	35	45	31	18	19	8	15	8	11	4	11	2				1		
1943	3	2	1	1	1	3	2	4	1	5	30	9	14	16	7	7	16	24	15	41	43	17	18	16	14	15	15	10	4	7	3	1			1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	3	3651	100.00	12	6.0	154	3095	84.77	24	520.0	136	552	15.12
1	0.10	2	3648	99.92	13	8.7	163	2941	80.55	25	760.0	109	416	11.39
2	0.15	2	3646	99.86	14	13.0	172	2778	76.09	26	1100.0	99	307	8.41
3	0.21	2	3644	99.81	15	18.0	259	2606	71.38	27	1600.0	86	208	5.70
4	0.31	3	3642	99.75	16	27.0	332	2347	64.28	28	2300.0	61	122	3.34
5	0.44	3	3639	99.67	17	39.0	268	2015	55.19	29	3400.0	24	61	1.67
6	0.64	8	3636	99.59	18	56.0	262	1747	47.85	30	4900.0	7	37	1.01
7	0.93	34	3628	99.37	19	81.0	290	1485	40.67	31	7100.0	7	30	0.82
8	1.4	46	3594	98.44	20	120.0	188	1195	32.73	32	10000.0	15	23	0.63
9	2.0	162	3548	97.18	21	170.0	187	1007	27.58	33	15000.0	8	8	0.22
10	2.9	126	3386	92.74	22	250.0	151	820	22.46	34	22000.0	0	0	0.00
11	4.1	165	3260	89.29	23	360.0	117	669	18.32					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.4  
P90 = 3.9  
P75 = 14.2  
P70 = 19.7  
P50 = 51.1  
P25 = 210.0  
P10 = 919.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1934	3.50 7	3.60 7	3.80 7	4.20 7	7.50 7	16.00 7	15.00 7	22.00 6	31.00 4
1935	2.00 6	2.40 6	2.70 6	3.10 6	3.80 6	4.90 5	7.70 3	9.90 3	15.00 2
1938	3.70 8	4.00 8	5.10 8	9.20 8	19.00 8	53.00 8	62.00 8	62.00 8	74.00 7
1939	1.80 5	1.80 5	1.90 4	1.90 3	3.00 5	7.90 6	13.00 6	31.00 7	90.00 8
1940	1.40 4	1.60 3	1.80 3	1.90 4	2.00 1	2.40 1	3.00 1	3.60 1	18.00 3
1941	0.80 2	0.90 2	0.97 2	1.30 1	2.00 2	4.70 4	5.50 2	6.70 2	8.80 1
1942	0.20 1	0.37 1	0.80 1	1.40 2	2.50 4	3.00 3	9.40 5	20.00 5	36.00 5
1943	1.10 3	1.80 4	2.00 5	2.00 5	2.00 3	2.40 2	8.20 4	14.00 4	53.00 6



## 03367000 MUSCATATUCK RIVER NEAR AUSTIN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1933	19600.00 2	12300.00 2	6200.00 2	3510.00 2	2960.00 2	2270.00 2	1910.00 2	1920.00 1	1610.00 1
1934	2900.00 10	2420.00 10	1360.00 10	1070.00 10	633.00 10	328.00 10	232.00 10	275.00 9	211.00 9
1935	8490.00 7	6420.00 6	3450.00 6	3030.00 6	2050.00 4	1430.00 4	1100.00 4	937.00 4	680.00 4
1937	21900.00 1	14700.00 1	11100.00 1	9140.00 1	5330.00 1	2910.00 1	2000.00 1	1620.00 2	1170.00 2
1938	7800.00 8	5250.00 8	2680.00 8	1620.00 7	1340.00 7	951.00 7	776.00 7	715.00 7	536.00 8
1939	15600.00 5	11300.00 3	5680.00 4	3470.00 3	2260.00 3	2060.00 3	1780.00 3	1380.00 3	996.00 3
1940	16700.00 4	11200.00 4	6080.00 3	3430.00 4	1900.00 5	1190.00 5	989.00 5	783.00 5	543.00 7
1941	5620.00 9	4290.00 9	2580.00 9	1510.00 9	800.00 9	425.00 9	290.00 9	230.00 10	173.00 10
1942	11200.00 6	6020.00 7	3090.00 7	1540.00 8	1190.00 8	863.00 8	738.00 8	705.00 8	579.00 6
1943	17000.00 3	9190.00 5	5350.00 5	3200.00 5	1680.00 6	1030.00 6	897.00 6	768.00 6	638.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1934	396.00 7
1935	241.00 2
1938	313.00 5
1939	425.00 8
1940	307.00 4
1941	200.00 1
1942	254.00 3
1943	381.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1933	857.00 1
1934	133.00 9
1935	371.00 4
1937	643.00 2
1938	321.00 6
1939	522.00 3
1940	274.00 8
1941	92.00 10
1942	315.00 7
1943	342.00 5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1933	33.80	435.00	930.00	2425.0	699.00	1792.0	1715.0	2085.0	47.60	7.83	23.70	42.60
1934	40.30	53.00	157.00	77.70	30.20	446.00	75.40	10.80	479.00	170.00	31.20	14.80
1935	14.40	4.04	10.50	275.00	42.60	1726.0	639.00	821.00	420.00	274.00	159.00	20.90
1937	52.40	370.00	76.80	5205.0	450.00	159.00	436.00	595.00	86.60	50.10	76.90	88.20
1938	105.00	48.10	467.00	244.00	696.00	885.00	632.00	270.00	106.00	94.70	317.00	14.00
1939	3.02	74.80	35.90	345.00	1353.0	1915.0	1912.0	93.80	455.00	102.00	65.90	3.40
1940	2.08	3.61	5.47	36.90	546.00	508.00	1836.0	200.00	166.00	17.20	2.03	12.70
1941	2.61	10.60	12.60	76.90	60.00	25.50	61.20	8.92	796.00	46.10	15.50	3.20
1942	17.50	94.60	272.00	395.00	744.00	635.00	828.00	392.00	334.00	74.40	25.50	4.00
1943	2.10	105.00	540.00	222.00	424.00	1614.0	336.00	573.00	156.00	87.20	26.60	2.37

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.48	8.96	12.10	77.50	55.60	374.00

FIFTIETH PERCENTILE					
16.00	63.90	117.00	260.00	498.00	760.00

SEVENTY FIFTH PERCENTILE					
43.30	171.00	485.00	903.00	710.00	1743.00

APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
271.00	73.00	101.00	38.90	21.60	3.35

FIFTIETH PERCENTILE					
636.00	331.00	250.00	80.80	28.90	13.40

SEVENTY FIFTH PERCENTILE					
1745.00	652.00	461.00	119.00	97.40	26.30

## 03368000 BRUSH CREEK NEAR NEBRASKA, IN

LOCATION.--Lat 39°04'13", long 85°29'10" in NW¼ sec.11, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on right bank at downstream side of county road bridge, 1.5 mi northwest of Nebraska, 2.9 mi northeast of Butlerville, and 3.6 mi upstream from Brush Creek Dam.

DRAINAGE AREA.--11.4 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1955 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 717.17 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--30 years, 13.2 ft<sup>3</sup>/s, 15.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,360 ft<sup>3</sup>/s June 10, 1981, gage height, 12.99 ft, from rating curve extended above 550 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow and a contracted-opening measurement at gage height, 10.20 ft; no flow at times most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1956	41					3		5	3	16	22	44	38	27	25	21	19	22	14	15	10	6	10	6	6	6	3	3		1						
1957	86					7		7	5	12	20	12	17	25	20	31	35	29	12	10	9	4	4	3	6	2	4	3	1	1						
1958	49					5		4	1	5	9	14	18	36	39	35	34	31	15	12	8	13	8	10	6	5	4	2		2						
1959	57					3		13	7	15	14	17	25	41	30	24	22	30	15	18	5	6	8	5	5	3	1								1	
1960	43					9		13	7	6	13	34	20	26	39	32	22	27	15	14	15	8	9	2	1	5	4		1		1					
1961	61					34		19	20	27	22	14	22	18	10	16	12	17	12	19	7	7	6	6	3	6	4		1	1	1					
1962	57					19		6	12	5	13	21	19	21	24	26	34	30	18	15	15	7	5	6	2	1	5	1	2				1			
1963	44					27		15	25	26	17	34	29	41	28	11	11	14	9	11	6	4	2	3	3		2		1	1	1					
1964	179					13		23	11	10	8	10	11	10	10	15	14	13	7	7	8	4	4	3	1		3	1						1		
1965	136					9		13	9	11	6	13	7	17	12	24	23	25	11	10	13	4	9	3	7	3										
1966	77					12		6	4	7	22	15	28	22	32	31	33	24	12	12	8	6	1	5	3	2	1	2								
1967	94					23		9	7	6	5	9	23	20	31	31	20	23	16	12	10	8	2	6	2	5	1	2								
1968	73					23		23	5	12	20	33	17	14	13	15	20	19	18	13	6	8	8	4	2	1	4	1						1		
1969	51				11	6		12	4	9	12	12	12	29	35	30	24	29	20	14	11	10	13	2	8	2	3	3	1	1	1					
1970	75	5	1		8	8	12	9	10	10	13	8	18	26	23	20	17	21	19	9	15	11	9	6	4	3	2		1	2						
1971	6	4	3	2	1	7	12	15	8	16	45	32	48	28	29	15	14	18	15	9	7	6	9	6	4	2	2	1					1			
1972	44					2	1	11	6	9	10	22	40	25	23	22	22	17	33	17	20	10	7	7	3	3	2	2					1			
1973	17					5	3	1	14	15	10	8	7	5	7	10	23	29	37	38	21	19	26	17	14	14	6	7	6	3	1	2				
1974	7	2	2	2		9	12	2	4	13	14	22	17	18	17	15	30	26	26	29	34	18	14	8	7	5	9	2	1							
1975	7	4	5	3	8	9	5	12	10	8	5	5	22	26	18	26	23	23	37	20	28	21	12	6	4	7	3	2	3	2			1			
1976	39	8	2	3	5	5	3	8	6	14	20	17	22	21	31	23	25	36	25	10	12	7	5	6	5	3		2	2	1						
1977	41		6	10	10	46	12	15	26	21	11	20	17	11	15	14	20	18	18	5	8	9	1	2	3	2	1	2								
1978						3	1	5	7	11	22	15	21	25	40	42	29	28	27	19	20	13	13	4	5	2	6	2	3	2						
1979								8	24	17	11	16	28	37	17	27	56	36	18	15	11	8	15	5	2	3	3	4	2			2				
1980					1	4	4	12	10	10	9	9	18	18	21	22	46	47	34	27	17	16	7	7	6	5	9	1	4	2						
1981	10	1	5	4	5	17	9	15	13	26	23	17	28	16	28	14	19	35	27	10	11	9	4	6	4	1	4		2	1				1		
1982	9	7	2	3	14	6	5	13	11	11	13	18	18	24	29	20	23	28	23	23	15	13	11	4	4	8	5	2			2	1				
1983	72	2	3	1	6	7	6	16	11	4	9	7	6	7	13	39	28	29	31	20	9	14	3	5	3	3	3					5				
1984	20	1	5	7	3	4	1	6	11	7	5	22	14	15	20	32	20	21	35	29	29	18	16	4	3	5	5	5	3							
1985	29	2	1		2	4	2	6	7	10	8	13	16	13	28	46	32	29	28	22	16	13	9	7	8	5	1	4		3	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1424	10958	100.00	12	0.74	608	7263	66.28	24	54.0	160	555	5.06
1	0.01	36	9534	87.00	13	1.1	611	6655	60.73	25	78.0	113	395	3.60
2	0.02	35	9498	86.68	14	1.5	735	6044	55.16	26	110.0	106	282	2.57
3	0.03	35	9463	86.36	15	2.2	733	5309	48.45	27	160.0	73	176	1.61
4	0.04	81	9428	86.04	16	3.1	738	4576	41.76	28	230.0	47	103	0.94
5	0.06	138	9347	85.30	17	4.4	792	3838	35.02	29	330.0	32	56	0.51
6	0.09	273	9209	84.04	18	6.3	777	3046	27.80	30	470.0	15	24	0.22
7	0.12	171	8936	81.55	19	9.1	477	2269	20.71	31	670.0	4	9	0.08
8	0.18	323	8765	79.99	20	13.0	459	1792	16.35	32	960.0	4	5	0.05
9	0.25	329	8442	77.04	21	19.0	352	1333	12.16	33	1400.0	1	1	0.01
10	0.36	402	8113	74.04	22	27.0	241	981	8.95	34				
11	0.52	448	7711	70.37	23	38.0	185	740	6.75					

## 03368000 BRUSH CREEK NEAR NEBRASKA, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.00  
 P90 = 0.01  
 P75 = 0.32  
 P70 = 0.54  
 P50 = 2.0  
 P25 = 7.4  
 P10 = 24.4

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	0.00 1	0.00 1	0.00 1	0.00 1	0.08 20	0.12 12	2.60 27	2.20 25	2.90 19
1958	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	0.26 7	6.30 24
1959	0.00 3	0.00 3	0.03 26	0.12 25	0.83 28	3.00 29	4.70 28	5.30 27	11.00 29
1960	0.00 4	0.00 4	0.00 3	0.00 3	0.00 2	0.10 11	0.38 13	0.50 11	0.98 7
1961	0.00 5	0.00 5	0.00 4	0.00 4	0.01 12	0.20 17	0.22 9	0.25 6	0.71 6
1962	0.00 6	0.00 6	0.00 5	0.00 5	0.12 21	0.35 21	0.49 18	0.84 16	1.60 13
1963	0.00 7	0.00 7	0.00 6	0.00 6	0.02 13	0.19 15	0.51 19	0.70 14	1.30 10
1964	0.00 8	0.00 8	0.00 7	0.00 7	0.00 3	0.00 2	0.00 2	0.00 1	0.27 2
1965	0.00 9	0.00 9	0.00 8	0.00 8	0.00 4	0.00 3	0.00 3	0.00 2	0.39 3
1966	0.00 10	0.00 10	0.00 9	0.00 9	0.05 18	0.20 16	0.45 17	0.51 12	1.70 14
1967	0.00 11	0.00 11	0.00 10	0.00 10	0.02 14	0.07 9	0.12 7	0.22 5	1.00 8
1968	0.00 12	0.00 12	0.00 11	0.00 11	0.00 5	0.00 4	0.00 4	0.01 3	0.18 1
1969	0.00 13	0.00 13	0.00 12	0.00 12	0.00 6	0.03 7	0.08 5	1.40 22	2.00 16
1970	0.00 14	0.00 14	0.00 13	0.00 13	0.00 7	0.01 5	0.22 10	0.74 15	2.10 17
1971	0.00 15	0.00 15	0.00 14	0.00 14	0.00 8	0.04 8	0.11 6	0.16 4	0.68 5
1972	0.00 16	0.00 16	0.03 27	0.19 27	0.41 25	0.97 25	1.40 24	1.50 23	1.90 15
1973	0.00 17	0.00 17	0.00 15	0.00 15	0.00 9	0.13 13	0.39 14	0.64 13	2.50 18
1974	0.00 18	0.00 18	0.00 16	0.00 16	0.13 22	0.24 19	0.32 11	1.10 20	9.50 27
1975	0.00 19	0.00 19	0.01 24	0.14 26	0.35 24	0.48 24	1.60 25	3.60 26	6.80 25
1976	0.00 20	0.00 20	0.00 17	0.03 22	0.08 19	0.21 18	0.83 22	1.30 21	3.60 21
1977	0.00 21	0.00 21	0.00 18	0.00 17	0.00 10	0.01 6	0.33 12	0.43 8	0.51 4
1978	0.00 22	0.00 22	0.00 19	0.00 18	0.02 15	0.35 20	0.64 21	0.92 19	1.50 12
1979	0.06 28	0.07 28	0.14 28	0.25 28	0.44 26	2.60 28	6.50 29	8.80 28	11.00 28
1980	0.21 29	0.25 29	0.27 29	0.43 29	1.10 29	1.50 27	2.00 26	8.80 29	7.20 26
1981	0.00 23	0.00 23	0.00 20	0.01 20	0.18 23	0.36 22	0.45 15	0.90 18	1.30 11
1982	0.00 24	0.00 24	0.00 21	0.02 21	0.03 16	0.13 14	0.20 8	0.48 9	1.10 9
1983	0.00 25	0.00 25	0.00 22	0.04 23	0.05 17	0.10 10	0.62 20	0.89 17	3.10 20
1984	0.00 26	0.00 26	0.00 23	0.00 19	0.00 11	0.38 23	0.45 16	0.49 10	5.00 23
1985	0.00 27	0.00 27	0.03 25	0.08 24	0.64 27	1.19 26	1.40 23	1.60 24	3.90 22

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	525.00 16	297.00 13	145.00 17	69.00 23	53.00 19	38.00 19	32.00 21	31.00 11	23.00 16
1957	605.00 11	284.00 17	160.00 13	83.00 17	45.00 25	42.00 16	33.00 18	30.00 12	26.00 10
1958	573.00 15	294.00 14	165.00 12	96.00 15	55.00 15	36.00 22	34.00 13	29.00 13	22.00 17
1959	1460.00 1	553.00 3	267.00 2	133.00 3	82.00 4	56.00 3	41.00 6	33.00 9	24.00 14
1960	876.00 6	346.00 9	153.00 14	99.00 13	55.00 16	32.00 25	24.00 27	22.00 26	22.00 18
1961	851.00 8	554.00 2	249.00 5	129.00 6	85.00 3	54.00 4	58.00 1	45.00 1	30.00 4
1962	1370.00 2	587.00 1	259.00 3	139.00 1	76.00 6	41.00 17	32.00 19	27.00 19	29.00 5
1963	708.00 9	333.00 10	211.00 6	125.00 7	91.00 1	51.00 7	36.00 9	28.00 17	19.00 22
1964	1260.00 3	527.00 4	256.00 4	132.00 4	72.00 8	51.00 8	34.00 14	27.00 20	18.00 23
1965	149.00 30	113.00 30	80.00 29	48.00 28	35.00 28	26.00 28	25.00 25	21.00 27	15.00 27
1966	299.00 26	138.00 28	83.00 26	48.00 29	28.00 30	22.00 29	21.00 29	19.00 28	14.00 28
1967	296.00 28	152.00 26	92.00 23	70.00 22	51.00 20	32.00 26	27.00 24	23.00 25	18.00 24
1968	1010.00 5	452.00 5	269.00 1	134.00 2	85.00 2	59.00 2	46.00 2	36.00 6	29.00 6
1969	590.00 14	396.00 7	189.00 8	117.00 8	68.00 11	44.00 15	33.00 15	28.00 18	22.00 19
1970	376.00 23	153.00 25	82.00 27	60.00 26	44.00 26	37.00 20	30.00 22	25.00 22	18.00 25
1971	507.00 18	199.00 21	134.00 19	81.00 20	51.00 21	33.00 23	24.00 26	19.00 29	14.00 29
1972	470.00 19	193.00 22	126.00 21	101.00 11	60.00 13	45.00 11	35.00 10	29.00 14	22.00 20
1973	594.00 13	220.00 20	137.00 18	112.00 9	81.00 5	61.00 1	44.00 4	43.00 2	36.00 1
1974	299.00 27	122.00 29	80.00 28	61.00 25	47.00 22	32.00 24	33.00 16	28.00 15	25.00 12
1975	858.00 7	323.00 11	146.00 16	83.00 16	69.00 9	53.00 5	45.00 3	39.00 3	33.00 2

## 03368000 BRUSH CREEK NEAR NEBRASKA, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1976	341.00 25	169.00 24	88.00 25	59.00 27	46.00 23	37.00 21	29.00 23	24.00 23	18.00 26
1977	364.00 24	145.00 27	66.00 30	45.00 30	31.00 29	22.00 30	21.00 30	16.00 30	11.00 30
1978	448.00 21	262.00 19	147.00 15	80.00 21	44.00 27	28.00 27	22.00 28	23.00 24	20.00 21
1979	600.00 12	315.00 12	177.00 10	101.00 12	60.00 14	44.00 12	43.00 5	36.00 4	30.00 3
1980	450.00 20	293.00 15	169.00 11	82.00 18	54.00 17	44.00 13	35.00 11	34.00 7	29.00 7
1981	1030.00 4	373.00 8	181.00 9	97.00 14	62.00 12	52.00 6	38.00 8	33.00 10	23.00 15
1982	520.00 17	278.00 18	123.00 22	108.00 10	68.00 10	48.00 9	39.00 7	34.00 8	28.00 8
1983	424.00 22	403.00 6	208.00 7	129.00 5	75.00 7	48.00 10	33.00 17	28.00 16	26.00 11
1984	289.00 29	177.00 23	89.00 24	62.00 24	46.00 24	40.00 18	32.00 20	26.00 21	24.00 13
1985	607.00 10	285.00 16	132.00 20	82.00 19	53.00 18	44.00 14	34.00 12	36.00 5	28.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	10.00 11
1958	16.00 19
1959	22.00 29
1960	8.60 8
1961	14.00 16
1962	16.00 17
1963	16.00 18
1964	7.40 4
1965	8.00 7
1966	7.70 5
1967	7.70 6
1968	10.00 12
1969	18.00 21
1970	9.50 9
1971	10.00 13
1972	6.90 2
1973	19.00 22
1974	19.00 23
1975	21.00 28
1976	12.00 15
1977	3.70 1
1978	11.00 14
1979	20.00 26
1980	19.00 24
1981	7.00 3
1982	20.00 27
1983	9.60 10
1984	17.00 20
1985	19.00 25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	15.00 14
1957	14.00 15
1958	17.00 5
1959	13.00 17
1960	13.00 18
1961	16.00 6
1962	16.00 7
1963	9.90 22
1964	9.30 25
1965	7.80 28
1966	8.00 27
1967	9.40 23
1968	15.00 8
1969	12.00 19
1970	9.30 24
1971	7.60 29
1972	12.00 20
1973	23.00 1
1974	15.00 9
1975	18.00 4
1976	9.20 26
1977	5.90 30
1978	15.00 10
1979	19.00 2
1980	18.00 3
1981	12.00 21
1982	15.00 11
1983	14.00 16
1984	15.00 12
1985	15.00 13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	*	*	*	*	*	*	*	*	6.79	0.55	0.00	2.17
1956	4.54	22.20	2.53	9.90	46.50	21.90	18.30	33.80	4.38	5.87	1.06	7.24
1957	0.14	0.33	9.83	14.50	21.90	8.72	42.50	39.00	11.60	18.90	0.11	0.00
1958	0.00	7.82	45.50	11.70	2.84	7.92	17.70	43.30	18.80	32.30	7.29	9.06
1959	1.47	4.80	10.40	70.40	30.10	18.40	8.38	5.17	0.89	0.87	0.33	0.05
1960	1.03	2.72	18.80	25.40	27.00	13.10	6.07	6.62	41.90	14.00	2.43	0.08
1961	0.36	0.24	0.32	2.79	23.70	68.90	22.50	59.50	2.73	3.86	0.30	0.45
1962	0.87	1.87	8.45	30.60	44.00	22.50	4.77	7.01	3.35	72.00	0.37	0.03
1963	1.18	1.33	1.08	3.75	7.29	89.60	6.78	3.63	0.90	1.12	0.57	0.00
1964	0.00	0.00	0.00	6.58	1.44	67.10	31.90	1.44	0.25	2.06	0.00	0.00
1965	0.00	0.00	5.67	12.90	27.80	15.50	28.10	1.29	0.12	0.62	0.91	2.11
1966	5.80	2.13	2.21	17.20	27.30	7.08	26.10	8.59	0.70	0.53	0.20	0.04
1967	0.13	5.14	14.20	4.57	8.08	24.60	17.20	37.70	0.78	0.03	0.02	0.00
1968	0.00	0.75	21.40	9.16	4.66	28.50	24.60	80.70	3.65	1.07	4.76	0.04
1969	0.03	2.41	25.60	58.20	11.70	4.22	20.60	11.30	7.18	4.32	0.96	0.00
1970	0.04	2.90	5.70	12.60	13.90	34.20	38.80	1.87	1.59	0.02	0.26	0.21
1971	1.35	2.32	4.73	5.42	51.80	15.90	3.54	2.63	2.65	0.50	1.99	2.45
1972	3.83	0.95	19.00	6.68	8.98	28.60	59.80	10.80	1.11	1.11	0.23	0.22
1973	1.44	21.40	30.20	14.70	9.68	74.40	45.60	5.98	44.00	31.30	0.42	0.13
1974	0.46	19.60	13.80	30.90	17.20	24.20	32.20	21.90	3.65	0.54	1.64	11.00
1975	2.47	25.60	19.50	30.80	46.70	56.30	21.20	3.16	2.17	0.09	1.97	7.76

## 03368000 BRUSH CREEK NEAR NEBRASKA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1976	7.28	5.56	21.40	36.10	25.80	9.78	2.12	0.76	0.52	0.41	1.12	0.02
1977	0.69	0.90	0.58	0.06	15.40	22.50	9.35	16.10	2.19	3.06	0.67	0.02
1978	2.57	4.20	34.70	10.20	2.11	42.60	9.46	13.20	2.49	10.20	41.90	1.34
1979	7.92	10.20	45.20	31.40	49.70	12.40	32.00	6.72	1.53	8.87	22.70	1.15
1980	1.89	54.30	25.60	22.50	10.90	44.60	14.20	20.50	5.50	10.40	4.75	0.37
1981	0.54	1.44	1.39	0.86	18.10	7.08	46.00	20.40	45.20	2.43	1.08	0.22
1982	0.22	1.00	10.10	58.80	23.80	31.70	11.90	22.80	9.13	2.74	1.41	0.38
1983	0.11	8.10	36.10	9.20	8.64	4.24	25.00	67.60	2.88	0.68	0.76	0.05
1984	19.70	21.10	22.30	4.67	9.30	32.10	43.30	15.70	1.39	2.76	0.86	3.79
1985	3.49	20.00	42.30	13.60	37.20	45.50	10.90	5.70	2.03	0.73	3.66	0.08

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

0.13

0.99

4.18

6.29

8.89

11.70

## FIFTIETH PERCENTILE

0.95

2.81

14.00

12.80

17.60

23.30

## SEVENTY FIFTH PERCENTILE

2.80

12.50

25.60

30.60

28.40

43.10

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

9.43

4.78

1.11

0.55

0.30

0.03

## FIFTIETH PERCENTILE

20.90

11.10

2.65

2.06

0.91

0.21

## SEVENTY FIFTH PERCENTILE

32.00

25.50

6.79

8.87

1.99

2.11



## 03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	29	15706	100.00	12	2.0	730	13153	83.75	24	190.0	452	1532	9.75
1	0.03	1	15677	99.82	13	2.9	802	12423	79.10	25	270.0	339	1080	6.88
2	0.04	1	15676	99.81	14	4.2	809	11621	73.99	26	400.0	246	741	4.72
3	0.06	0	15675	99.80	15	6.1	973	10812	68.84	27	580.0	180	495	3.15
4	0.09	36	15675	99.80	16	8.9	905	9839	62.64	28	850.0	101	315	2.01
5	0.14	5	15639	99.57	17	13.0	1124	8934	56.88	29	1200.0	113	214	1.36
6	0.20	107	15634	99.54	18	19.0	1156	7810	49.73	30	1800.0	57	101	0.64
7	0.29	275	15527	98.86	19	28.0	1279	6654	42.37	31	2700.0	23	44	0.28
8	0.43	318	15252	97.11	20	41.0	1227	5375	34.22	32	3900.0	15	21	0.13
9	0.63	456	14934	95.08	21	60.0	1061	4148	26.41	33	5700.0	4	6	0.04
10	0.92	427	14478	92.18	22	87.0	878	3087	19.65	34	8300.0	2	2	0.01
11	1.3	898	14051	89.46	23	130.0	677	2209	14.06					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.64
P90 =	1.2
P75 =	3.9
P70 =	5.7
P50 =	18.8
P25 =	65.6
P10 =	187.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1943	0.20 8	0.37 14	0.69 21	0.84 20	0.97 13	2.00 14	2.70 13	4.70 13	14.00 20
1944	0.10 4	0.17 5	0.19 5	0.21 4	0.27 4	0.32 1	0.39 1	0.37 1	2.20 3
1945	0.00 1	0.00 1	0.00 1	0.00 1	0.12 1	0.55 4	1.19 4	2.40 6	2.70 4
1946	1.00 36	1.19 36	1.19 33	1.30 34	1.50 21	3.70 26	13.00 36	20.00 37	45.00 37
1947	0.20 9	0.23 9	0.29 9	0.34 7	0.54 8	0.87 7	4.80 23	9.90 29	14.00 21
1948	0.60 24	0.83 30	0.90 29	1.19 33	2.30 31	2.60 20	3.80 16	4.60 12	17.00 24
1949	0.00 2	0.00 2	0.11 2	0.16 2	0.24 2	0.42 3	3.50 14	8.90 27	13.00 19
1950	0.90 34	0.97 34	1.30 35	1.70 36	4.00 37	10.00 38	26.00 39	22.00 38	36.00 35
1951	2.70 42	2.90 42	3.50 42	4.20 42	11.00 42	26.00 41	53.00 43	55.00 41	62.00 40
1952	0.20 10	0.20 6	0.20 6	0.26 5	0.31 5	0.36 2	0.55 2	1.30 3	9.80 11
1953	0.20 11	0.20 7	0.27 8	0.39 9	0.52 7	0.61 5	2.50 11	6.60 21	12.00 17
1954	0.10 5	0.23 8	0.40 12	0.43 10	0.55 9	0.65 6	0.67 3	0.82 2	1.50 1
1955	0.10 6	0.10 4	0.16 3	0.21 3	0.24 3	1.10 8	1.40 5	1.40 4	1.70 2
1956	0.30 14	0.40 15	0.50 15	0.66 16	0.73 12	2.80 21	7.20 30	13.00 32	21.00 28
1957	0.70 28	0.70 25	0.77 24	0.86 21	1.10 14	2.00 15	8.70 32	8.00 26	20.00 27
1958	0.30 15	0.30 12	0.30 10	0.31 6	0.39 6	1.40 9	1.70 6	4.10 11	42.00 36
1959	1.50 39	1.60 39	1.90 39	3.50 41	8.60 41	29.00 43	38.00 40	43.00 40	83.00 42
1960	0.50 20	0.53 21	0.60 17	0.76 17	1.90 28	3.00 23	3.70 15	5.60 17	11.00 12
1961	0.60 25	0.70 26	0.79 25	1.10 27	2.60 33	4.90 31	5.20 24	5.10 16	8.30 10
1962	0.60 26	0.63 24	0.73 23	0.78 18	1.19 17	4.00 28	5.50 26	6.20 19	11.00 13
1963	0.50 21	0.57 23	0.70 22	0.86 22	4.40 39	5.00 32	6.10 29	7.00 24	11.00 14
1964	0.50 22	0.53 22	0.56 16	0.64 15	1.10 15	2.40 19	2.30 9	2.60 7	4.20 7
1965	0.40 17	0.40 16	0.43 13	0.47 11	1.10 16	2.30 18	2.50 10	2.70 8	3.30 5
1966	0.70 27	0.80 29	0.86 26	1.00 24	1.50 22	2.80 22	4.40 20	5.00 15	12.00 18
1967	1.30 38	1.30 37	1.40 36	1.50 35	1.50 23	2.00 16	4.10 18	3.90 9	11.00 15
1968	0.00 3	0.00 3	0.17 4	0.37 8	0.68 11	1.80 12	2.60 12	4.10 10	6.70 8
1969	0.42 18	0.43 18	0.44 14	0.48 12	0.56 10	1.60 10	1.80 7	12.00 30	22.00 29
1970	0.22 12	0.25 11	0.89 27	1.10 25	2.10 30	6.20 35	5.90 28	9.30 28	15.00 22
1971	0.16 7	0.24 10	0.26 7	0.49 13	1.40 20	1.60 11	2.20 8	2.40 5	4.20 6
1972	0.92 35	1.10 35	1.40 37	1.90 38	3.50 36	5.80 34	11.00 33	14.00 33	17.00 23
1973	0.26 13	0.37 13	0.40 11	0.51 14	1.70 24	4.70 30	11.00 34	14.00 34	25.00 31
1974	0.43 19	0.50 19	0.63 19	0.88 23	1.90 29	3.60 25	4.40 21	8.00 25	59.00 39
1975	0.35 16	0.41 17	0.66 20	1.19 28	3.30 34	7.90 36	19.00 38	37.00 39	52.00 38
1976	1.80 40	2.00 40	2.20 40	2.70 39	4.20 38	8.40 37	13.00 35	19.00 35	29.00 33
1977	0.79 32	0.95 33	1.19 34	1.19 29	1.30 18	2.00 13	4.30 19	6.60 20	7.90 9
1978	1.19 37	1.30 38	1.40 38	1.80 37	2.50 32	16.00 39	16.00 37	19.00 36	24.00 30
1979	2.00 41	2.20 41	2.50 41	3.10 40	4.60 40	24.00 40	41.00 41	83.00 42	94.00 43
1980	4.10 43	4.60 43	6.60 43	12.00 43	17.00 43	28.00 42	42.00 42	95.00 43	82.00 41
1981	0.75 30	0.87 31	1.00 32	1.19 30	3.40 35	3.80 27	4.80 22	6.80 22	11.00 16
1982	0.77 31	0.78 28	0.92 30	1.19 31	1.70 25	5.50 33	5.50 27	6.90 23	19.00 25
1983	0.90 33	0.92 32	0.95 31	1.10 26	1.90 26	2.10 17	4.00 17	5.70 18	20.00 26
1984	0.51 23	0.53 20	0.62 18	0.84 19	1.40 19	3.20 24	5.30 25	4.90 14	26.00 32
1985	0.72 29	0.74 27	0.89 28	1.19 32	1.90 27	4.30 29	8.40 31	13.00 31	30.00 34

## 03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1943	5340.00 8	2090.00 15	1640.00 5	914.00 7	472.00 14	306.00 16	253.00 15	219.00 15	169.00 16
1944	2200.00 33	1250.00 31	681.00 34	386.00 36	283.00 38	240.00 31	199.00 35	155.00 37	104.00 40
1945	6000.00 5	2630.00 7	1750.00 4	1200.00 2	759.00 3	528.00 2	397.00 3	341.00 3	250.00 4
1946	2280.00 31	1400.00 27	710.00 33	453.00 31	303.00 34	230.00 34	210.00 29	178.00 31	154.00 24
1947	3460.00 21	1420.00 26	916.00 21	580.00 23	509.00 10	479.00 4	372.00 5	288.00 7	257.00 3
1948	3070.00 23	1510.00 23	814.00 29	449.00 32	430.00 17	285.00 22	216.00 27	174.00 32	122.00 35
1949	5780.00 6	2680.00 6	1530.00 7	937.00 6	778.00 2	499.00 3	430.00 2	347.00 2	259.00 2
1950	5350.00 7	2800.00 5	1560.00 6	1230.00 1	793.00 1	650.00 1	487.00 1	443.00 1	316.00 1
1951	4020.00 16	1500.00 24	868.00 22	601.00 21	420.00 18	358.00 11	300.00 9	295.00 5	249.00 5
1952	2840.00 27	1490.00 25	732.00 32	610.00 19	366.00 25	300.00 17	255.00 13	230.00 12	169.00 17
1953	1190.00 41	816.00 40	551.00 40	314.00 42	230.00 42	166.00 41	141.00 42	128.00 41	119.00 36
1954	284.00 43	222.00 43	130.00 43	71.00 43	60.00 43	45.00 43	39.00 43	35.00 43	25.00 43
1955	2020.00 36	1110.00 35	759.00 30	582.00 22	433.00 15	290.00 19	228.00 19	195.00 22	139.00 31
1956	3850.00 17	1680.00 20	850.00 25	413.00 35	350.00 28	248.00 30	210.00 30	199.00 21	153.00 27
1957	4700.00 11	2460.00 10	1320.00 9	666.00 16	345.00 29	324.00 15	245.00 17	219.00 16	186.00 13
1958	3290.00 22	1560.00 22	931.00 20	564.00 24	367.00 24	235.00 33	224.00 20	207.00 19	159.00 22
1959	13200.00 1	5020.00 1	2240.00 1	1170.00 3	701.00 4	447.00 5	326.00 7	257.00 8	188.00 12
1960	6450.00 3	2480.00 9	1120.00 15	667.00 15	360.00 26	219.00 36	153.00 41	142.00 38	141.00 30
1961	4090.00 14	3240.00 4	1490.00 8	808.00 9	551.00 7	363.00 10	379.00 4	292.00 6	198.00 9
1962	4230.00 13	2060.00 16	939.00 19	528.00 26	384.00 20	262.00 27	217.00 25	179.00 28	151.00 28
1963	2660.00 29	1950.00 17	1020.00 16	745.00 11	519.00 9	300.00 18	216.00 26	168.00 35	118.00 37
1964	6390.00 4	3720.00 2	1820.00 3	970.00 5	528.00 8	365.00 9	249.00 16	191.00 23	127.00 34
1965	982.00 42	718.00 42	627.00 36	325.00 41	276.00 39	185.00 40	182.00 36	157.00 36	108.00 39
1966	1760.00 39	959.00 37	617.00 37	360.00 39	243.00 41	154.00 42	159.00 40	140.00 39	111.00 38
1967	2070.00 35	935.00 38	661.00 35	509.00 28	374.00 23	237.00 32	210.00 31	179.00 29	144.00 29
1968	8330.00 2	3660.00 3	1950.00 2	997.00 4	595.00 5	376.00 7	306.00 8	242.00 10	199.00 8
1969	3480.00 19	2500.00 8	1270.00 10	815.00 8	501.00 11	328.00 14	244.00 18	208.00 18	165.00 19
1970	3480.00 20	1370.00 28	979.00 18	539.00 25	430.00 16	334.00 13	257.00 12	219.00 17	154.00 25
1971	3010.00 24	1320.00 29	865.00 24	517.00 27	333.00 33	221.00 35	162.00 38	131.00 40	95.00 41
1972	2970.00 26	1240.00 33	833.00 27	632.00 17	378.00 22	282.00 24	222.00 21	190.00 24	154.00 26
1973	2260.00 32	1240.00 34	825.00 28	683.00 14	488.00 12	369.00 8	274.00 11	251.00 9	223.00 7
1974	1700.00 40	812.00 41	575.00 39	383.00 37	285.00 37	206.00 37	212.00 28	185.00 25	162.00 20
1975	4050.00 15	2440.00 11	1130.00 12	609.00 20	580.00 6	421.00 6	350.00 6	303.00 4	245.00 6
1976	2700.00 28	1250.00 32	613.00 38	418.00 34	336.00 32	263.00 26	220.00 22	185.00 26	136.00 33
1977	2150.00 34	934.00 39	459.00 42	378.00 38	256.00 40	197.00 39	161.00 39	122.00 42	93.00 42
1978	4730.00 10	2250.00 13	1130.00 13	624.00 18	340.00 31	205.00 38	176.00 37	179.00 30	166.00 18
1979	3740.00 18	1930.00 18	1130.00 14	685.00 13	382.00 21	286.00 21	254.00 14	224.00 14	194.00 10
1980	1880.00 37	1290.00 30	868.00 23	443.00 33	299.00 36	254.00 29	205.00 32	201.00 20	182.00 15
1981	4870.00 9	1780.00 19	844.00 26	507.00 29	354.00 27	283.00 23	218.00 24	183.00 27	137.00 32
1982	4590.00 12	2120.00 14	1020.00 17	793.00 10	485.00 13	350.00 12	287.00 10	241.00 11	192.00 11
1983	2510.00 30	2280.00 12	1180.00 11	714.00 12	419.00 19	288.00 20	203.00 34	174.00 33	159.00 21
1984	1770.00 38	971.00 36	520.00 41	343.00 40	301.00 35	260.00 28	205.00 33	168.00 34	158.00 23
1985	3000.00 25	1570.00 21	735.00 31	507.00 30	341.00 30	278.00 25	220.00 23	229.00 13	184.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1943	89.00 22
1944	52.00 5
1945	104.00 26
1946	122.00 31
1947	67.00 14
1948	133.00 33
1949	153.00 39
1950	157.00 41
1951	159.00 42
1952	98.00 25
1953	54.00 7
1954	31.00 1
1955	66.00 12
1956	74.00 17
1957	68.00 15
1958	120.00 30
1959	166.00 43
1960	51.00 4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1943	90.00 23
1944	53.00 41
1945	131.00 8
1946	89.00 24
1947	140.00 4
1948	65.00 34
1949	146.00 3
1950	188.00 1
1951	134.00 7
1952	91.00 21
1953	63.00 36
1954	13.00 43
1955	73.00 32
1956	97.00 19
1957	100.00 18
1958	128.00 9
1959	101.00 16
1960	82.00 28



## 03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	96.00 24
1962	109.00 28
1963	79.00 19
1964	57.00 9
1965	58.00 10
1966	54.00 8
1967	68.00 16
1968	76.00 18
1969	134.00 36
1970	67.00 13
1971	83.00 20
1972	53.00 6
1973	133.00 34
1974	116.00 29
1975	154.00 40
1976	92.00 23
1977	36.00 2
1978	87.00 21
1979	136.00 37
1980	138.00 38
1981	44.00 3
1982	133.00 35
1983	63.00 11
1984	107.00 27
1985	123.00 32

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	103.00 15
1962	87.00 25
1963	63.00 37
1964	65.00 35
1965	57.00 39
1966	61.00 38
1967	78.00 30
1968	109.00 12
1969	91.00 22
1970	80.00 29
1971	53.00 40
1972	85.00 26
1973	150.00 2
1974	100.00 17
1975	135.00 6
1976	74.00 31
1977	51.00 42
1978	121.00 10
1979	136.00 5
1980	112.00 11
1981	72.00 33
1982	104.00 14
1983	84.00 27
1984	94.00 20
1985	106.00 13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1942	*	*	*	*	*	*	125.00	78.40	79.30	14.90	11.70	1.42
1943	2.77	35.00	109.00	30.80	123.00	456.00	109.00	172.00	22.70	9.66	1.95	0.37
1944	0.49	0.34	0.37	10.70	83.90	208.00	238.00	82.10	4.84	3.21	6.86	2.62
1945	0.62	1.77	13.80	29.10	278.00	604.00	248.00	123.00	185.00	77.30	3.66	22.60
1946	12.60	134.00	148.00	66.60	300.00	168.00	32.10	153.00	20.10	21.20	23.00	1.14
1947	0.79	37.80	116.00	290.00	34.10	71.60	446.00	394.00	205.00	52.50	26.90	6.55
1948	2.46	3.83	5.68	58.50	146.00	260.00	228.00	27.60	20.80	21.50	12.70	0.45
1949	0.43	162.00	109.00	753.00	208.00	290.00	28.90	6.91	112.00	53.70	9.93	12.50
1950	53.50	12.70	158.00	763.00	492.00	204.00	209.00	65.80	106.00	33.00	49.40	126.00
1951	11.30	222.00	235.00	331.00	298.00	233.00	186.00	47.00	42.70	9.54	1.32	0.56
1952	0.33	5.94	190.00	291.00	200.00	197.00	116.00	20.20	47.60	3.69	6.95	17.90
1953	0.64	2.19	41.50	217.00	38.50	135.00	106.00	169.00	4.24	25.20	3.89	1.09
1954	0.97	0.57	0.83	7.15	18.60	34.30	33.10	42.20	14.90	1.22	3.08	0.38
1955	2.68	1.62	25.70	90.50	311.00	278.00	89.80	34.00	27.30	17.40	2.49	8.51
1956	37.40	145.00	28.50	53.00	322.00	136.00	132.00	192.00	72.40	30.50	6.76	21.90
1957	2.67	2.53	61.30	96.20	155.00	55.20	314.00	322.00	84.00	112.00	1.97	2.94
1958	0.65	59.40	355.00	84.90	29.60	61.90	126.00	265.00	166.00	231.00	73.20	66.40
1959	11.90	47.30	63.70	600.00	220.00	123.00	66.00	30.30	19.70	21.40	3.91	3.36
1960	4.78	11.10	73.90	137.00	169.00	78.00	48.20	71.90	297.00	82.60	18.00	3.03
1961	7.05	5.82	4.68	18.30	142.00	461.00	174.00	369.00	12.20	21.40	10.40	7.53
1962	6.42	7.47	64.80	191.00	253.00	197.00	38.80	29.40	14.00	240.00	6.48	7.17
1963	7.71	10.10	6.56	26.20	28.20	521.00	67.30	40.40	16.40	12.40	5.25	1.19
1964	4.06	3.12	2.27	18.30	11.30	495.00	214.00	16.40	3.32	5.58	2.26	2.88
1965	4.33	1.35	17.40	92.80	209.00	140.00	190.00	16.60	1.56	4.16	9.53	13.40
1966	34.60	11.70	12.00	115.00	195.00	53.30	204.00	95.20	13.20	5.26	6.07	4.65
1967	1.51	40.90	139.00	34.40	66.90	209.00	117.00	289.00	17.80	5.92	7.83	4.12
1968	0.70	5.36	183.00	72.70	51.60	153.00	164.00	554.00	39.50	38.10	36.10	0.96
1969	2.34	17.40	193.00	404.00	114.00	29.40	169.00	72.90	29.50	41.90	6.37	7.65
1970	4.95	18.90	30.50	86.50	96.60	237.00	424.00	45.10	17.30	1.41	2.98	3.31
1971	4.18	9.05	26.60	45.00	330.00	117.00	31.30	30.10	21.10	5.89	8.05	36.80
1972	23.90	8.51	147.00	81.00	66.40	178.00	376.00	75.90	21.30	20.60	7.61	14.30
1973	13.40	174.00	266.00	99.50	73.20	453.00	270.00	53.70	213.00	174.00	5.13	2.91
1974	6.80	99.10	95.40	185.00	133.00	160.00	202.00	161.00	35.40	6.22	24.80	97.20
1975	17.80	137.00	136.00	231.00	376.00	447.00	159.00	40.20	37.00	4.32	17.10	35.50
1976	52.70	48.70	173.00	279.00	178.00	81.20	18.40	9.36	13.80	11.40	20.40	5.19
1977	9.21	10.90	5.06	1.28	121.00	206.00	82.50	77.80	31.60	37.00	23.30	7.77
1978	34.70	44.80	284.00	56.50	21.50	325.00	60.30	128.00	38.00	109.00	308.00	24.50
1979	40.20	68.60	229.00	196.00	321.00	120.00	203.00	58.00	60.20	169.00	148.00	29.30
1980	26.80	299.00	177.00	131.00	83.00	265.00	136.00	94.10	34.70	47.20	47.60	5.86
1981	4.98	7.98	10.90	5.74	91.90	52.30	227.00	163.00	233.00	62.60	8.74	3.90
1982	10.20	15.20	51.00	428.00	166.00	230.00	96.00	140.00	73.90	24.90	6.39	3.93
1983	1.98	36.00	210.00	62.70	65.00	29.30	172.00	391.00	14.70	2.11	11.90	2.69
1984	79.60	137.00	158.00	32.10	55.20	222.00	282.00	99.30	9.05	32.90	2.71	14.00
1985	24.10	144.00	259.00	105.00	243.00	270.00	82.80	74.30	29.40	9.75	29.80	5.95

## WABASH RIVER BASIN

03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.98	5.82	17.39	34.40	66.40	117.00
FIFTIETH PERCENTILE					
4.98	15.20	95.40	90.50	142.00	197.00
SEVENTY FIFTH PERCENTILE					
17.80	68.60	177.00	217.00	243.00	270.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
82.60	40.20	15.30	5.99	4.21	2.74
FIFTIETH PERCENTILE					
148.00	76.80	29.40	21.40	7.94	5.52
SEVENTY FIFTH PERCENTILE					
213.00	163.00	73.50	51.20	22.30	14.20



## 03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	85	16802	100.00	12	6.3	757	13310	79.22	24	580.0	400	1332	7.93
1	0.10	61	16717	99.49	13	9.2	655	12553	74.71	25	850.0	289	932	5.55
2	0.15	53	16656	99.13	14	13.0	1122	11898	70.81	26	1200.0	252	643	3.83
3	0.21	46	16603	98.82	15	20.0	1069	10776	64.14	27	1800.0	150	391	2.33
4	0.31	94	16557	98.54	16	29.0	1139	9707	57.77	28	2600.0	125	241	1.43
5	0.45	169	16463	97.98	17	42.0	1263	8568	50.99	29	3800.0	57	116	0.69
6	0.66	226	16294	96.98	18	61.0	1288	7305	43.48	30	5600.0	33	59	0.35
7	0.96	301	16068	95.63	19	88.0	1313	6017	35.81	31	8100.0	18	26	0.15
8	1.4	420	15767	93.84	20	130.0	1132	4704	28.00	32	12000.0	4	8	0.05
9	2.0	582	15347	91.34	21	190.0	925	3572	21.26	33	17000.0	2	4	0.02
10	3.0	684	14765	87.88	22	270.0	749	2647	15.75	34	25000.0	2	2	0.01
11	4.3	771	14081	83.81	23	400.0	566	1898	11.30					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	1.1
P90 =	2.4
P75 =	9.0
P70 =	13.9
P50 =	44.5
P25 =	157.0
P10 =	469.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.04 1	0.17 1	0.27 1	3.90 1
1942	0.10 6	0.10 4	0.11 4	0.47 8	0.72 9	4.80 18	5.40 13	10.00 16	26.00 17
1943	0.40 12	0.40 10	0.56 12	0.61 9	0.65 8	0.81 5	1.80 4	11.00 17	39.00 24
1944	0.00 2	0.00 2	0.00 2	0.00 2	0.11 2	0.11 2	0.34 2	0.42 2	4.30 2
1945	0.00 3	0.00 3	0.07 3	0.41 6	0.49 5	1.70 8	4.60 11	9.50 13	8.90 7
1946	1.19 23	1.30 23	1.40 18	1.70 20	1.90 14	9.70 31	25.00 34	43.00 38	97.00 37
1947	0.40 13	0.47 11	0.51 10	0.63 10	0.98 10	2.10 10	10.00 25	28.00 31	43.00 25
1948	1.19 24	1.40 24	1.50 21	2.00 23	3.90 24	4.80 19	6.60 17	7.90 11	33.00 21
1949	0.30 9	0.33 9	0.37 9	0.39 5	0.43 4	0.77 4	5.40 14	21.00 27	29.00 19
1950	2.30 38	2.40 35	3.60 41	7.30 41	19.00 42	29.00 39	54.00 41	54.00 40	99.00 38
1951	1.30 27	1.70 29	3.40 40	6.80 40	21.00 43	44.00 42	99.00 44	97.00 41	140.00 41
1952	0.60 16	0.70 15	0.97 14	1.00 14	1.30 11	1.60 7	1.80 5	2.80 7	23.00 14
1953	0.20 7	0.23 8	0.27 6	0.71 11	1.70 12	1.90 9	3.30 9	12.00 18	22.00 12
1954	0.20 8	0.20 5	0.20 5	0.20 3	0.34 3	0.40 3	0.52 3	0.76 3	4.50 3
1955	0.10 4	0.20 6	0.33 8	0.43 7	0.61 7	1.10 6	2.50 6	2.50 4	5.10 4
1956	0.10 5	0.20 7	0.29 7	0.31 4	0.60 6	3.60 16	16.00 32	36.00 35	63.00 33
1957	1.10 21	1.19 21	1.50 22	1.90 21	5.20 31	5.50 20	35.00 37	30.00 32	56.00 30
1958	0.50 14	0.50 13	0.57 13	0.81 12	2.00 18	3.00 15	3.90 10	9.50 14	127.00 39
1959	4.30 43	4.70 43	6.20 43	9.90 44	21.00 44	67.00 44	86.00 42	97.00 42	198.00 44
1960	1.19 25	1.19 22	1.40 19	1.60 17	3.80 23	5.80 21	8.90 23	16.00 22	25.00 15
1961	2.80 40	2.80 40	3.00 38	3.40 31	3.60 22	6.40 23	7.20 18	7.90 12	16.00 10
1962	1.90 33	2.00 31	2.10 29	2.40 24	5.90 32	11.00 32	13.00 29	18.00 25	48.00 27
1963	3.10 41	3.10 41	3.20 39	3.70 34	11.00 38	12.00 33	14.00 30	17.00 23	26.00 16
1964	1.10 22	1.10 19	1.19 15	1.30 15	1.90 15	2.60 12	2.90 7	2.80 5	6.10 5
1965	1.30 26	1.40 25	1.50 23	1.70 18	1.90 16	2.40 11	2.90 8	2.80 6	8.90 6
1966	1.50 30	1.60 28	1.80 27	3.00 29	5.00 29	7.60 28	11.00 26	13.00 19	31.00 20
1967	0.90 19	0.93 17	1.40 20	2.60 25	3.10 21	4.10 17	6.50 16	7.00 8	22.00 11
1968	0.40 10	0.77 16	1.30 17	1.70 19	1.90 17	2.90 13	5.90 15	7.00 9	11.00 8
1969	1.10 20	1.40 26	1.60 24	1.90 22	2.50 20	3.00 14	5.10 12	33.00 34	45.00 26
1970	0.61 17	1.10 20	1.70 26	4.20 38	6.50 33	7.80 29	8.60 21	21.00 26	37.00 23
1971	1.40 28	1.50 27	2.10 28	3.60 32	4.30 27	7.20 26	7.60 19	7.60 10	16.00 9
1972	1.60 31	2.20 33	2.50 31	3.70 33	17.00 40	36.00 41	46.00 39	52.00 39	57.00 31
1973	0.50 15	0.65 14	1.19 16	1.60 16	2.10 19	15.00 36	23.00 33	27.00 30	60.00 32
1974	2.20 35	2.50 36	2.70 33	4.00 35	7.30 34	12.00 34	11.00 27	25.00 29	151.00 42
1975	0.87 18	1.00 18	1.60 25	2.70 27	7.50 35	19.00 37	51.00 40	101.00 43	130.00 40
1976	2.60 39	2.70 39	2.80 34	4.50 39	7.50 36	15.00 35	28.00 35	40.00 36	74.00 34
1977	2.20 36	2.50 37	2.90 35	4.00 36	4.20 26	6.60 24	14.00 31	22.00 28	23.00 13
1978	3.50 42	3.90 42	4.70 42	8.80 42	11.00 37	29.00 40	30.00 36	31.00 33	53.00 28
1979	6.10 44	6.40 44	7.40 44	9.80 43	12.00 39	81.00 45	121.00 45	208.00 44	217.00 45
1980	13.00 45	14.00 45	16.00 45	27.00 45	51.00 45	57.00 43	96.00 43	240.00 45	198.00 43
1981	2.30 37	2.40 34	2.50 32	2.80 28	5.00 30	7.40 27	10.00 24	17.00 24	27.00 18
1982	1.50 29	1.80 30	2.90 36	3.40 30	4.10 25	6.80 25	8.30 20	15.00 21	35.00 22
1983	2.10 34	2.10 32	2.20 30	2.60 26	4.50 28	5.90 22	11.00 28	14.00 20	55.00 29
1984	0.40 11	0.47 12	0.54 11	0.84 13	1.80 13	9.10 30	8.80 22	10.00 15	83.00 35
1985	1.90 32	2.50 38	3.00 37	4.00 37	18.00 41	25.00 38	37.00 38	41.00 37	89.00 36

## 03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	8490.00 15	6320.00 8	3200.00 10	1740.00 10	962.00 20	600.00 31	533.00 22	428.00 31	299.00 36
1941	1240.00 45	976.00 45	614.00 45	385.00 45	209.00 45	115.00 46	86.00 46	70.00 46	63.00 46
1942	4170.00 39	2340.00 38	1180.00 43	858.00 41	471.00 44	406.00 42	379.00 42	355.00 40	308.00 33
1943	12100.00 8	5320.00 10	3800.00 6	2150.00 8	1110.00 13	711.00 15	573.00 16	504.00 17	393.00 21
1944	5540.00 33	3050.00 29	1670.00 33	944.00 35	661.00 41	535.00 37	459.00 38	364.00 39	244.00 44
1945	25200.00 2	9470.00 2	5670.00 1	3660.00 1	2220.00 1	1450.00 2	1070.00 2	905.00 3	652.00 3
1946	6140.00 28	3300.00 26	1640.00 34	1090.00 31	731.00 37	551.00 34	491.00 33	422.00 32	378.00 25
1947	8140.00 19	3140.00 27	1740.00 30	1260.00 26	1130.00 12	1010.00 5	786.00 6	613.00 9	550.00 5
1948	6500.00 24	3650.00 23	1790.00 29	954.00 34	904.00 23	662.00 24	526.00 24	418.00 34	291.00 37
1949	14200.00 6	6080.00 9	3790.00 7	2430.00 4	1920.00 3	1260.00 3	1070.00 3	924.00 2	680.00 2
1950	14800.00 5	7710.00 7	4230.00 5	3270.00 2	2140.00 2	1690.00 1	1250.00 1	1140.00 1	819.00 1
1951	9300.00 12	3500.00 24	2120.00 22	1550.00 18	994.00 18	877.00 9	788.00 5	759.00 4	644.00 4
1952	4510.00 37	2880.00 31	1460.00 37	1340.00 23	839.00 28	762.00 12	632.00 12	583.00 11	432.00 15
1953	3110.00 43	2010.00 42	1350.00 40	718.00 44	532.00 43	374.00 44	332.00 44	302.00 44	276.00 38
1954	713.00 46	496.00 46	278.00 46	165.00 46	156.00 46	119.00 45	104.00 45	90.00 45	64.00 45
1955	5880.00 30	2590.00 33	1970.00 24	1380.00 21	1070.00 14	709.00 17	584.00 15	489.00 18	355.00 28
1956	8610.00 14	3850.00 22	1920.00 26	934.00 37	900.00 24	662.00 25	549.00 20	508.00 15	388.00 22
1957	8380.00 16	4000.00 19	2380.00 15	1300.00 24	738.00 35	661.00 26	523.00 25	511.00 14	440.00 14
1958	7490.00 22	3900.00 20	2270.00 18	1360.00 22	835.00 29	529.00 38	529.00 23	479.00 19	369.00 27
1959	31900.00 1	12400.00 1	5530.00 2	2870.00 3	1680.00 4	1060.00 4	773.00 8	613.00 10	446.00 12
1960	21900.00 4	8410.00 5	3740.00 9	2220.00 7	1180.00 9	673.00 23	466.00 36	412.00 36	385.00 23
1961	10200.00 9	8150.00 6	3780.00 8	1980.00 9	1360.00 6	873.00 10	928.00 4	717.00 5	504.00 8
1962	7930.00 20	4570.00 16	2310.00 17	1400.00 20	992.00 19	682.00 20	563.00 17	471.00 21	385.00 24
1963	7440.00 23	4100.00 18	2200.00 19	1610.00 16	1150.00 11	650.00 27	470.00 35	370.00 38	261.00 41
1964	13700.00 7	8820.00 4	4380.00 4	2340.00 6	1260.00 7	861.00 11	587.00 14	455.00 23	305.00 34
1965	2590.00 44	1750.00 44	1490.00 35	769.00 43	665.00 40	440.00 41	444.00 39	378.00 37	263.00 40
1966	3890.00 40	2380.00 37	1420.00 38	838.00 42	552.00 42	388.00 43	378.00 43	344.00 41	266.00 39
1967	4880.00 34	2090.00 41	1480.00 36	1140.00 29	874.00 26	568.00 33	511.00 27	433.00 29	343.00 30
1968	22700.00 3	9110.00 3	4760.00 3	2410.00 5	1520.00 5	968.00 6	779.00 7	616.00 8	497.00 9
1969	8380.00 17	5260.00 11	2710.00 14	1700.00 12	1030.00 16	678.00 21	510.00 28	439.00 27	353.00 29
1970	6140.00 29	2480.00 35	1700.00 32	927.00 38	742.00 34	640.00 29	492.00 32	421.00 33	304.00 35
1971	6420.00 25	2880.00 32	1940.00 25	1200.00 28	777.00 30	547.00 35	410.00 41	343.00 42	248.00 43
1972	6370.00 27	2990.00 30	2040.00 23	1520.00 19	911.00 22	678.00 22	555.00 18	449.00 26	370.00 26
1973	4400.00 38	2240.00 39	1910.00 27	1560.00 17	1170.00 10	901.00 7	676.00 10	623.00 7	533.00 7
1974	3180.00 42	1830.00 43	1240.00 42	882.00 39	696.00 38	502.00 40	520.00 26	454.00 24	398.00 20
1975	7820.00 21	5050.00 13	2340.00 16	1290.00 25	1200.00 8	894.00 8	756.00 9	655.00 6	537.00 6
1976	5730.00 31	2550.00 34	1260.00 41	868.00 40	734.00 36	593.00 32	498.00 30	416.00 35	313.00 31
1977	4720.00 35	2140.00 40	1110.00 44	960.00 33	693.00 39	525.00 39	431.00 40	329.00 43	249.00 42
1978	9580.00 11	5110.00 12	2920.00 11	1640.00 15	899.00 25	541.00 36	462.00 37	456.00 22	403.00 18
1979	8250.00 18	4590.00 15	2780.00 13	1680.00 14	922.00 21	710.00 16	649.00 11	571.00 12	491.00 10
1980	3820.00 41	3110.00 28	2140.00 21	1090.00 30	746.00 33	604.00 30	489.00 34	478.00 20	442.00 13
1981	9010.00 13	3390.00 25	1730.00 31	1060.00 32	765.00 32	646.00 28	492.00 31	428.00 30	311.00 32
1982	9900.00 10	4400.00 17	2170.00 20	1700.00 13	1030.00 17	736.00 13	596.00 13	504.00 16	403.00 19
1983	5670.00 32	5000.00 14	2810.00 12	1720.00 11	1040.00 15	714.00 14	510.00 29	437.00 28	410.00 17
1984	4550.00 36	2440.00 36	1360.00 39	937.00 36	776.00 31	685.00 18	552.00 19	454.00 25	425.00 16
1985	6410.00 26	3870.00 21	1850.00 28	1250.00 27	864.00 27	685.00 19	537.00 21	569.00 13	473.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	106.00 3
1942	127.00 8
1943	224.00 25
1944	109.00 4
1945	290.00 34
1946	284.00 29
1947	163.00 16
1948	297.00 35
1949	393.00 43
1950	410.00 45
1951	396.00 44
1952	252.00 26
1953	121.00 6
1954	77.00 1
1955	167.00 17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	150.00 37
1941	35.00 45
1942	176.00 31
1943	207.00 26
1944	125.00 44
1945	342.00 6
1946	222.00 23
1947	302.00 7
1948	155.00 35
1949	390.00 2
1950	468.00 1
1951	346.00 4
1952	229.00 20
1953	146.00 39
1954	33.00 46

## WABASH RIVER BASIN

03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1956	198.00	22
1957	171.00	18
1958	277.00	28
1959	390.00	42
1960	125.00	7
1961	255.00	27
1962	288.00	32
1963	184.00	20
1964	133.00	9
1965	138.00	12
1966	134.00	10
1967	157.00	15
1968	180.00	19
1969	309.00	36
1970	153.00	13
1971	185.00	21
1972	134.00	11
1973	316.00	37
1974	290.00	33
1975	353.00	41
1976	210.00	23
1977	97.00	2
1978	216.00	24
1979	336.00	39
1980	336.00	40
1981	113.00	5
1982	285.00	30
1983	154.00	14
1984	287.00	31
1985	320.00	38

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1955	186.00	29
1956	253.00	16
1957	240.00	18
1958	293.00	9
1959	237.00	19
1960	226.00	21
1961	260.00	15
1962	226.00	22
1963	138.00	42
1964	155.00	36
1965	140.00	41
1966	146.00	40
1967	183.00	30
1968	270.00	12
1969	198.00	28
1970	159.00	34
1971	149.00	38
1972	203.00	27
1973	362.00	3
1974	251.00	17
1975	298.00	8
1976	171.00	32
1977	136.00	43
1978	292.00	10
1979	344.00	5
1980	275.00	11
1981	165.00	33
1982	217.00	24
1983	217.00	25
1984	261.00	14
1985	269.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	0.58	0.96	2.95	35.50	390.00	253.00	934.00	114.00	94.30	5.68	0.00	0.29
1941	0.22	1.81	16.50	48.90	52.60	19.00	37.30	8.77	209.00	16.70	4.71	8.82
1942	15.40	84.80	190.00	146.00	501.00	326.00	302.00	247.00	221.00	63.30	37.80	1.68
1943	0.67	74.10	271.00	66.30	336.00	1070.0	298.00	289.00	54.90	16.50	7.15	0.19
1944	0.49	0.67	1.03	26.00	171.00	447.00	577.00	234.00	13.20	1.52	26.40	11.30
1945	1.41	8.34	42.20	86.00	699.00	1798.0	578.00	276.00	451.00	129.00	9.58	47.40
1946	23.60	325.00	335.00	157.00	706.00	414.00	81.90	437.00	75.20	61.00	77.20	1.57
1947	2.66	91.20	274.00	626.00	72.50	134.00	1014.0	765.00	463.00	114.00	51.70	5.52
1948	5.36	9.25	11.60	126.00	472.00	548.00	521.00	69.80	29.60	57.10	22.10	0.58
1949	0.96	407.00	503.00	1862.0	562.00	679.00	67.20	27.40	381.00	104.00	57.50	24.00
1950	113.00	23.60	424.00	2049.0	1188.0	501.00	491.00	197.00	311.00	54.40	81.50	229.00
1951	21.80	507.00	556.00	874.00	834.00	639.00	480.00	151.00	99.50	25.90	1.70	2.43
1952	1.34	12.40	555.00	677.00	529.00	499.00	288.00	43.80	99.40	5.91	11.70	30.50
1953	1.87	3.21	84.60	505.00	78.50	294.00	292.00	387.00	9.47	61.30	12.80	0.64
1954	0.36	0.61	1.57	20.30	51.20	86.00	104.00	91.50	33.50	0.63	5.68	1.00
1955	11.00	6.85	91.90	257.00	847.00	605.00	198.00	95.20	105.00	39.60	3.31	22.00
1956	110.00	407.00	72.40	156.00	812.00	391.00	326.00	440.00	172.00	79.50	14.30	94.60
1957	6.96	6.22	165.00	258.00	356.00	143.00	718.00	586.00	254.00	383.00	6.70	5.79
1958	2.36	135.00	807.00	199.00	70.00	142.00	289.00	622.00	339.00	557.00	184.00	145.00
1959	28.50	108.00	159.00	1466.0	482.00	283.00	147.00	81.10	34.80	36.30	10.50	5.17
1960	14.20	51.40	217.00	326.00	414.00	179.00	111.00	156.00	963.00	260.00	36.50	6.39
1961	8.90	8.50	9.73	40.80	345.00	1129.0	393.00	932.00	74.10	122.00	36.70	14.50
1962	17.00	28.70	194.00	504.00	666.00	491.00	96.60	75.10	57.40	581.00	11.20	13.00
1963	19.80	28.10	17.00	69.30	70.40	1137.0	139.00	95.20	30.50	23.50	8.03	2.49
1964	3.20	3.07	2.85	52.60	24.40	1193.0	481.00	39.00	13.80	28.30	2.29	2.66
1965	3.79	2.53	57.80	235.00	509.00	320.00	463.00	34.10	4.96	10.80	21.40	47.30
1966	79.80	28.70	35.10	310.00	470.00	137.00	462.00	214.00	24.90	10.00	9.87	5.47
1967	4.24	84.00	302.00	85.90	157.00	523.00	325.00	651.00	23.00	9.48	12.40	1.92
1968	3.94	17.40	427.00	171.00	119.00	383.00	416.00	1440.0	68.90	52.10	107.00	3.66
1969	2.85	36.60	408.00	848.00	229.00	65.30	368.00	177.00	77.20	138.00	14.50	8.19
1970	7.55	55.80	77.70	187.00	192.00	528.00	730.00	75.90	41.40	4.93	12.10	6.16
1971	13.20	47.70	113.00	137.00	792.00	308.00	88.90	79.60	65.80	18.30	71.70	98.90
1972	66.20	28.00	298.00	199.00	170.00	422.00	905.00	226.00	41.50	39.40	25.80	16.60
1973	26.50	399.00	563.00	262.00	209.00	1076.0	685.00	143.00	547.00	396.00	21.60	7.52
1974	16.70	253.00	234.00	488.00	284.00	417.00	484.00	373.00	110.00	16.90	56.30	284.00
1975	43.50	294.00	333.00	516.00	811.00	947.00	353.00	77.20	76.90	8.13	40.30	116.00

## 03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1976	146.00	96.30	394.00	641.00	416.00	168.00	51.60	27.80	36.60	16.80	39.20	17.90
1977	30.80	36.00	15.20	4.23	366.00	534.00	205.00	206.00	77.10	112.00	46.30	12.50
1978	48.20	91.10	701.00	144.00	57.50	863.00	147.00	339.00	103.00	255.00	639.00	67.90
1979	142.00	187.00	621.00	500.00	791.00	261.00	526.00	149.00	95.90	339.00	483.00	63.10
1980	50.40	742.00	411.00	296.00	172.00	692.00	331.00	284.00	109.00	94.90	105.00	13.10
1981	8.44	22.40	29.00	14.30	229.00	127.00	590.00	364.00	486.00	95.20	27.80	6.84
1982	12.70	29.00	107.00	875.00	372.00	464.00	223.00	268.00	167.00	55.30	16.40	10.40
1983	5.88	138.00	540.00	171.00	165.00	81.80	430.00	968.00	60.30	9.86	16.20	3.44
1984	292.00	363.00	414.00	82.40	190.00	601.00	717.00	277.00	26.80	78.80	27.80	58.50
1985	78.00	440.00	673.00	253.00	569.00	669.00	240.00	146.00	56.20	21.80	85.30	12.60

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.80	9.06	40.40	85.00	169.00	235.00
FIFTIETH PERCENTILE					
11.90	42.10	206.00	199.00	361.00	435.00
SEVENTY FIFTH PERCENTILE					
34.00	150.00	417.00	504.00	564.00	647.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
185.00	80.70	36.10	16.60	10.30	3.24
FIFTIETH PERCENTILE					
342.00	202.00	77.00	53.20	21.80	9.61
SEVENTY FIFTH PERCENTILE					
522.00	366.00	181.00	113.00	52.80	34.70

## 03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN

LOCATION.--Lat 38°46'10", long 86°24'30", in SW¼NE¼ sec.21, T.4 N., R.1 E., Lawrence County, Hydrologic Unit 05120208, on downstream side of center pier of bridge on county road, 0.4 mi upstream from Mill Creek, 2.9 mi downstream from Sugar Creek, 3.9 mi northeast of Mitchell, 7.8 mi southeast of Bedford, and at mile 153.3.

DRAINAGE AREA.--3,861 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1939 to September 1985 (high-water records only October 1943 to September 1957).

GAGE.--Water-stage recorder. Datum of gage is 473.59 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 6, 1940, nonrecording gage, and Feb. 6, 1940, to Sept. 24, 1957, water-stage recorder, at site 9.8 mi downstream at datum 4.39 ft lower.

AVERAGE DISCHARGE.--32 years (1939-43, 1957 to 1985), 3,976 ft<sup>3</sup>/s, 13.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,700 ft<sup>3</sup>/s Mar. 12, 1964; maximum gage height, 35.97 ft May 11, 1961; minimum daily discharge, 138 ft<sup>3</sup>/s Sept. 7, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 47.5 ft, from floodmark determined by U.S. Army Corps of Engineers, discharge, 155,000 ft<sup>3</sup>/s, at former site.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1940				9	23	20	110	14	6	15	13	4	14	17	17	23	12	11	6	7	5	6	13	10	1	1	1	1	2	1	1	2	1		
1941		3	10	34	62	47	47	34	39	31	14	11	6	11	2	2	2	1	1	1	2	2	3												
1942			2	2	5	8	12	16	15	28	16	19	37	31	21	15	18	16	16	22	18	10	11	8	11	5	1	2							
1943					1	51	28	8	2	5	7	17	17	14	25	31	32	19	18	24	15	12	10	18	5	6	8	1	1	1	1	2	2	1	
1958								29	14	1			4	15	21	21	36	32	21	26	24	26	26	21	11	8	13	9	2	5					
1959						3	13	18	20	15	9	40	20	22	24	23	29	21	16	18	21	18	11	5	1	6	2	4	1		2	1	2		
1960							19	28	15	25	21	16	32	33	26	25	24	19	15	19	12	7	6	6	7	5	2		1	2	1				
1961						37	46	59	13	16	18	8	13	7	20	15	18	9	8	5	8	6	12	9	6	10	5	6	5	2			1	2	1
1962						34	18	25	21	22	20	18	35	28	19	28	15	12	9	5	9	17	10	5	9	1	1	2	2						
1963			5	8	11	10	53	61	36	39	12	25	12	14	14	8	10	7	6	1	4	8	5	1	3	3	5	1	1		2				
1964		11	58	60	17	16	13	20	16	18	22	15	8	8	5	6	9	9	11	5	6	5	6	3	4	1	2	4	2	2	1	1	2		
1965			46	17	2	20	19	28	23	30	16	25	11	19	9	8	14	15	11	10	8	7	11	6	6	1	1	2							
1966			1	13	13	18	14	37	53	34	25	29	13	15	11	15	11	14	11	8	4	13	6	3	2	2									
1967			20	39	23	10	14	12	11	12	18	16	18	18	21	16	21	17	11	16	15	14	4	11	4	1	2	1							
1968			6	7	20	3	24	8	13	8	8	29	26	18	27	19	24	16	23	14	23	17	9	5	6	3	3	1	1	1	2	1	1	1	
1969					5	31	20	16	13	5	14	27	34	40	40	17	19	12	11	9	14	16	4	8	2	3	1	1	2	1					
1970					8	19	24	51	28	14	17	27	15	16	17	24	19	17	7	12	17	13	6	7	4	1	2								
1971					11	9	32	29	35	19	25	32	25	26	25	19	8	9	16	18	10	5	1	1	4	1	1	2	2						
1972					8	33	41	21	21	18	8	26	22	17	34	22	16	18	14	13	13	4	3	2	2	2	5	3	2						
1973					14	17	15	16	8	7	9	17	24	20	28	19	37	28	23	30	23	8	11	7	4										
1974					7	25	8	13	25	11	8	16	18	19	27	31	24	23	24	20	22	17	9	14	4										
1975					15	16	29	11	12	14	16	9	22	15	17	24	21	34	23	19	20	10	9	16	5	4			1	2	1				
1976				1	9	18	17	12	26	45	32	31	19	19	16	17	24	17	15	11	10	8	2	5	8	4									
1977			9	33	32	31	12	21	33	29	8	26	11	10	16	13	15	6	13	11	12	18	5	1											
1978									3	16	13	42	25	31	27	34	23	32	21	24	21	13	17	5	5	4	3	1	2	3					
1979									8	13	6	11	16	30	29	30	40	28	25	26	25	15	14	11	16	4	5	8	2	3					
1980										7	12	38	18	41	36	32	26	30	20	22	19	22	15	10	8	2	5	3							
1981					12	6	42	58	31	17	12	18	22	24	21	9	19	13	11	10	8	17	7	2	3	3									
1982					21	45	34	13	14	12	9	5	26	24	23	18	24	21	13	10	14	7	4	16	5	3	2	1	1						
1983			7	19	45	20	18	11	7	8	19	21	25	20	23	20	19	18	8	11	8	9	6	12	3	2	1	2	1	2					
1984			4	10	16	18	10	14	17	18	26	15	7	14	20	24	24	19	18	20	30	15	10	11	2	2									
1985						10	10	10	23	18	19	13	21	37	33	33	17	18	17	22	17	9	12	8	3	5	7	3							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	11688	100.00	12	1100.0	466	7693	65.82	24	11000.0	282	982	8.40
1	138.0	3	11688	100.00	13	1300.0	687	7227	61.83	25	13000.0	173	700	5.99
2	170.0	10	11685	99.97	14	1600.0	567	6540	55.95	26	15000.0	235	527	4.51
3	200.0	56	11675	99.89	15	1900.0	672	5973	51.10	27	19000.0	91	292	2.50
4	240.0	212	11619	99.41	16	2300.0	677	5301	45.35	28	22000.0	72	201	1.72
5	290.0	243	11407	97.60	17	2800.0	660	4624	39.56	29	27000.0	55	129	1.10
6	350.0	467	11164	95.52	18	3400.0	595	3964	33.92	30	33000.0	27	74	0.63
7	430.0	515	10697	91.52	19	4100.0	544	3369	28.82	31	39000.0	22	47	0.40
8	520.0	701	10182	87.11	20	4900.0	522	2825	24.17	32	47000.0	14	25	0.21
9	620.0	656	9481	81.12	21	6000.0	448	2303	19.70	33	57000.0	7	11	0.09
10	750.0	579	8825	75.50	22	7200.0	432	1855	15.87	34	69000.0	4	4	0.03
11	910.0	553	8246	70.55	23	8700.0	441	1423	12.17					



## 03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 360.0  
 P90 = 461.0  
 P75 = 766.0  
 P70 = 932.0  
 P50 = 1980.0  
 P25 = 4760.0  
 P10 = 10000.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1941	170.00 2	190.00 2	209.00 2	217.00 2	228.00 2	239.00 1	258.00 1	274.00 1	331.00 1
1942	138.00 1	160.00 1	196.00 1	210.00 1	222.00 1	265.00 2	299.00 4	380.00 4	602.00 6
1943	340.00 9	353.00 9	364.00 9	369.00 9	379.00 9	454.00 10	666.00 15	804.00 18	1480.00 18
1959	1130.00 29	1130.00 29	1140.00 29	1180.00 29	1220.00 29	1890.00 29	2100.00 27	2550.00 28	4120.00 29
1960	420.00 16	420.00 16	431.00 15	455.00 16	480.00 15	540.00 14	588.00 12	706.00 14	876.00 11
1961	404.00 13	404.00 13	404.00 12	407.00 11	414.00 10	433.00 8	463.00 8	487.00 8	586.00 5
1962	448.00 19	448.00 19	448.00 17	448.00 15	473.00 13	515.00 12	587.00 11	700.00 13	1140.00 15
1963	370.00 10	390.00 12	433.00 16	499.00 20	570.00 23	602.00 16	625.00 13	645.00 10	789.00 10
1964	220.00 3	222.00 3	226.00 3	235.00 3	259.00 3	277.00 4	276.00 2	286.00 2	422.00 2
1965	249.00 4	250.00 4	252.00 4	255.00 4	261.00 4	271.00 3	287.00 3	326.00 3	585.00 4
1966	438.00 17	446.00 17	495.00 22	530.00 24	563.00 21	815.00 25	854.00 25	880.00 21	929.00 12
1967	289.00 7	296.00 7	307.00 7	315.00 7	373.00 8	395.00 7	433.00 7	482.00 7	773.00 9
1968	277.00 6	279.00 6	284.00 6	293.00 6	304.00 6	348.00 6	405.00 6	453.00 5	756.00 8
1969	506.00 24	506.00 24	513.00 24	523.00 22	544.00 18	608.00 17	785.00 22	1430.00 25	2060.00 25
1970	605.00 25	612.00 25	626.00 25	656.00 25	733.00 25	803.00 24	848.00 24	1340.00 24	1610.00 20
1971	382.00 12	387.00 11	392.00 11	409.00 12	421.00 11	492.00 11	534.00 10	569.00 9	724.00 7
1972	468.00 21	471.00 21	478.00 20	495.00 18	572.00 24	615.00 18	661.00 14	661.00 11	1080.00 13
1973	409.00 14	411.00 14	418.00 13	433.00 13	463.00 12	619.00 19	689.00 19	776.00 17	1580.00 19
1974	482.00 22	484.00 22	492.00 21	523.00 23	560.00 20	645.00 22	737.00 20	1170.00 23	2520.00 26
1975	876.00 28	895.00 28	960.00 28	1020.00 28	1060.00 27	1460.00 27	2340.00 28	2330.00 27	3050.00 27
1976	438.00 18	447.00 18	476.00 19	497.00 19	568.00 22	638.00 21	676.00 17	822.00 19	1180.00 16
1977	273.00 5	277.00 5	283.00 5	288.00 5	296.00 5	343.00 5	400.00 5	462.00 6	502.00 3
1978	648.00 26	662.00 26	698.00 26	744.00 26	830.00 26	1320.00 26	1500.00 26	1500.00 26	1630.00 22
1979	827.00 27	832.00 27	855.00 27	901.00 27	1200.00 28	1770.00 28	2580.00 29	3290.00 29	3500.00 28
1980	1310.00 30	1320.00 30	1350.00 30	1370.00 30	1660.00 30	2230.00 30	3240.00 30	4930.00 30	4450.00 30
1981	370.00 11	373.00 10	386.00 10	402.00 10	489.00 16	626.00 20	670.00 16	661.00 12	1100.00 14
1982	496.00 23	498.00 23	503.00 23	518.00 21	538.00 17	582.00 15	680.00 18	736.00 15	1220.00 17
1983	414.00 15	419.00 15	431.00 14	442.00 14	475.00 14	530.00 13	771.00 21	822.00 20	1620.00 21
1984	321.00 8	325.00 8	329.00 8	338.00 8	359.00 7	441.00 9	524.00 9	765.00 16	1860.00 24
1985	456.00 20	464.00 20	473.00 18	494.00 17	550.00 19	704.00 23	819.00 23	1060.00 22	1740.00 23

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	48800.00 9	44500.00 9	35500.00 9	23200.00 11	14400.00 15	8590.00 27	7700.00 25	6360.00 26	4560.00 29
1941	7630.00 32	7560.00 32	6720.00 32	4610.00 32	2790.00 32	1680.00 32	1310.00 32	1120.00 32	970.00 32
1942	24100.00 25	23000.00 25	18800.00 25	12200.00 27	9220.00 29	8850.00 26	7900.00 23	6850.00 22	5820.00 20
1943	58500.00 5	54200.00 5	44900.00 4	29100.00 5	16900.00 11	10900.00 14	10300.00 9	8850.00 11	7250.00 12
1958	32300.00 20	30300.00 19	24900.00 21	19500.00 18	13300.00 20	10400.00 17	9350.00 16	8890.00 9	7060.00 16
1959	61800.00 4	57500.00 4	43700.00 5	27500.00 6	20400.00 2	14500.00 3	11400.00 6	9260.00 6	7290.00 11
1960	41100.00 14	37100.00 13	28100.00 15	20100.00 16	12300.00 22	7790.00 29	5720.00 30	5420.00 29	5420.00 21
1961	69200.00 2	64900.00 2	48100.00 2	29400.00 4	20800.00 1	14900.00 2	14900.00 1	12100.00 1	8560.00 4
1962	35200.00 18	32600.00 18	26300.00 17	18600.00 20	14600.00 14	10500.00 15	9370.00 15	7750.00 18	5840.00 19
1963	56300.00 6	49000.00 6	32800.00 11	24300.00 9	18800.00 4	11700.00 13	8590.00 20	6820.00 24	4850.00 27
1964	73100.00 1	67500.00 1	52100.00 1	33700.00 1	19600.00 3	16000.00 1	11600.00 4	9230.00 7	6430.00 18
1965	30300.00 22	28300.00 22	21400.00 24	13900.00 26	11300.00 25	8260.00 28	8660.00 19	7170.00 20	5140.00 24
1966	19200.00 30	18400.00 30	15800.00 30	11200.00 30	7420.00 31	5530.00 31	5490.00 31	4940.00 31	4150.00 30
1967	35700.00 17	33200.00 16	25200.00 19	16300.00 23	12600.00 21	9190.00 23	8840.00 18	7680.00 19	7160.00 14
1968	69000.00 3	60200.00 3	48000.00 3	29900.00 3	18500.00 5	12100.00 11	10800.00 7	9030.00 8	7830.00 6
1969	52000.00 7	46700.00 8	35500.00 10	23900.00 10	18200.00 7	11900.00 12	9200.00 17	8110.00 14	6770.00 17
1970	22300.00 26	20900.00 27	16100.00 29	11900.00 28	9800.00 28	8970.00 25	7910.00 22	7050.00 21	5410.00 22

## 03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	36300.00	16	33100.00	17	27400.00	16	19600.00	17	13600.00	18	9320.00	20	7250.00	28	6120.00	28	4780.00	28
1972	32500.00	19	29900.00	20	25500.00	18	20900.00	13	13800.00	17	9360.00	19	7680.00	26	6400.00	25	5380.00	23
1973	24900.00	24	23900.00	24	22500.00	23	19300.00	19	15500.00	13	12900.00	9	10100.00	10	8880.00	10	8450.00	5
1974	20800.00	29	20000.00	28	18100.00	27	15600.00	24	10700.00	26	9310.00	21	9600.00	13	8700.00	12	7490.00	10
1975	48800.00	10	43900.00	10	32200.00	12	20200.00	15	17400.00	9	14300.00	4	12400.00	2	11200.00	2	9300.00	1
1976	21000.00	28	19500.00	29	17100.00	28	11900.00	29	10300.00	27	9100.00	24	7870.00	24	6830.00	23	5070.00	25
1977	13500.00	31	12700.00	31	10900.00	31	9570.00	31	7700.00	30	7050.00	30	6280.00	29	5090.00	30	3990.00	31
1978	44600.00	12	42900.00	12	35600.00	8	25200.00	8	15700.00	12	10500.00	16	9400.00	14	7980.00	17	7080.00	15
1979	46000.00	11	43700.00	11	36200.00	7	30300.00	2	18400.00	6	13900.00	5	11400.00	5	10500.00	4	9070.00	2
1980	28600.00	23	28300.00	23	24900.00	20	17300.00	21	11800.00	23	10300.00	18	8320.00	21	8050.00	15	7820.00	7
1981	21700.00	27	21100.00	26	18300.00	26	14000.00	25	11600.00	24	9260.00	22	7270.00	27	6180.00	27	4900.00	26
1982	42000.00	13	36300.00	14	28900.00	14	23000.00	12	17100.00	10	13800.00	6	11600.00	3	9890.00	5	7710.00	9
1983	50400.00	8	47900.00	7	38500.00	6	26000.00	7	17600.00	8	13100.00	8	9610.00	12	7990.00	16	7240.00	13
1984	30500.00	21	29000.00	21	24100.00	22	16800.00	22	13300.00	19	12200.00	10	10100.00	11	8670.00	13	7770.00	8
1985	36500.00	15	35300.00	15	29600.00	13	20600.00	14	14000.00	16	13200.00	7	10600.00	8	10600.00	3	8750.00	3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1941	1830.00	2
1942	2230.00	4
1943	4250.00	19
1959	6830.00	30
1960	2600.00	6
1961	3690.00	16
1962	5210.00	23
1963	2920.00	9
1964	2680.00	7
1965	3200.00	11
1966	2750.00	8
1967	3370.00	12
1968	3590.00	15
1969	5630.00	26
1970	3560.00	14
1971	3520.00	13
1972	2090.00	3
1973	5150.00	21
1974	5060.00	20
1975	6280.00	29
1976	3950.00	17
1977	1580.00	1
1978	4180.00	18
1979	6200.00	27
1980	6250.00	28
1981	2560.00	5
1982	5200.00	22
1983	3060.00	10
1984	5310.00	24
1985	5440.00	25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	2460.00	29
1941	643.00	32
1942	3540.00	19
1943	4250.00	15
1958	5720.00	2
1959	4360.00	14
1960	3420.00	20
1961	4580.00	11
1962	3570.00	18
1963	2770.00	28
1964	3400.00	21
1965	2920.00	25
1966	2440.00	30
1967	4060.00	17
1968	4880.00	9
1969	4430.00	12
1970	3180.00	22
1971	2910.00	26
1972	3140.00	23
1973	5720.00	3
1974	4900.00	8
1975	5460.00	5
1976	3070.00	24
1977	2320.00	31
1978	5210.00	7
1979	6710.00	1
1980	5280.00	6
1981	2820.00	27
1982	4420.00	13
1983	4190.00	16
1984	4830.00	10
1985	5470.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	DCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1940	384.00	389.00	386.00	724.00	4623.0	4004.0	13030.0	3306.0	1790.0	668.00	331.00	259.00
1941	228.00	307.00	426.00	652.00	712.00	450.00	730.00	382.00	2750.0	603.00	291.00	244.00
1942	414.00	1272.0	1860.0	2626.0	8090.0	7911.0	7625.0	3919.0	4981.0	2111.0	1254.0	870.00
1943	390.00	1958.0	2755.0	3929.0	5186.0	16060.0	4509.0	8919.0	3998.0	1718.0	1061.0	447.00
1946	*	*	*	*	*	*	*	*	*	*	*	*
1958	591.00	2947.0	12090.0	5520.0	2509.0	3095.0	4233.0	10680.0	7444.0	9649.0	6822.0	2549.0
1959	1533.0	2651.0	3465.0	14350.0	11730.0	6937.0	3819.0	3429.0	2456.0	1005.0	824.00	523.00
1960	565.00	1044.0	2579.0	4242.0	7430.0	3554.0	3172.0	2224.0	8584.0	6177.0	1128.0	626.00
1961	426.00	444.00	557.00	702.00	1895.0	18130.0	7983.0	17210.0	3482.0	1693.0	1371.0	606.00
1962	516.00	680.00	2206.0	7583.0	5424.0	13530.0	3712.0	2275.0	1703.0	3348.0	944.00	862.00
1963	598.00	731.00	577.00	1105.0	1115.0	17800.0	4922.0	2470.0	1444.0	1040.0	767.00	394.00
1964	260.00	301.00	272.00	606.00	718.00	18710.0	11470.0	3754.0	2247.0	1488.0	525.00	308.00
1965	263.00	297.00	631.00	2379.0	8780.0	6829.0	9528.0	3016.0	925.00	1256.0	657.00	1000.0

03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1966	1035.0	832.00	922.00	4242.0	6907.0	3116.0	4039.0	5824.0	1074.0	749.00	541.00	376.00
1967	414.00	1608.0	9853.0	2766.0	4248.0	8780.0	5498.0	11570.0	1895.0	924.00	577.00	342.00
1968	359.00	562.00	6612.0	2476.0	7432.0	4932.0	8469.0	14290.0	6747.0	2400.0	3468.0	842.00
1969	594.00	1145.0	4886.0	9213.0	13940.0	2230.0	6920.0	4222.0	2746.0	5257.0	1860.0	840.00
1970	815.00	2114.0	2191.0	2041.0	6362.0	7559.0	9290.0	4457.0	1874.0	694.00	651.00	482.00
1971	549.00	947.00	2166.0	3022.0	12210.0	6704.0	1994.0	2565.0	2146.0	1489.0	1048.0	739.00
1972	660.00	582.00	2758.0	3993.0	2793.0	4248.0	13440.0	4799.0	2084.0	1108.0	821.00	522.00
1973	738.00	6537.0	8525.0	5233.0	4901.0	13140.0	11920.0	3452.0	5348.0	6117.0	1931.0	825.00
1974	652.00	1824.0	4570.0	9906.0	6037.0	8185.0	9403.0	5505.0	5322.0	1846.0	1242.0	4516.0
1975	2008.0	4731.0	6250.0	7936.0	12540.0	14590.0	8983.0	4267.0	2388.0	961.00	636.00	697.00
1976	1060.0	1383.0	4513.0	9161.0	9020.0	4531.0	1858.0	1046.0	1501.0	1572.0	843.00	468.00
1977	498.00	606.00	494.00	300.00	2281.0	7472.0	6087.0	3964.0	1166.0	2390.0	1779.0	830.00
1978	2280.0	2095.0	11000.0	2343.0	1368.0	14320.0	5090.0	7848.0	2885.0	4052.0	5093.0	3596.0
1979	2355.0	2972.0	8007.0	10410.0	8918.0	13120.0	9395.0	3448.0	2357.0	4997.0	11280.0	3183.0
1980	1683.0	7704.0	10770.0	6045.0	3550.0	10390.0	7863.0	5055.0	3480.0	2201.0	3146.0	1292.0
1981	638.00	636.00	874.00	500.00	2876.0	2286.0	5942.0	7838.0	7635.0	2379.0	1602.0	770.00
1982	546.00	758.00	1753.0	8445.0	15610.0	9898.0	5688.0	3053.0	4059.0	2198.0	848.00	1078.0
1983	585.00	1709.0	6161.0	5621.0	3689.0	2060.0	8438.0	17100.0	2376.0	1255.0	635.00	420.00
1984	3333.0	4559.0	8278.0	2532.0	4990.0	9605.0	13320.0	6458.0	1729.0	1694.0	843.00	671.00
1985	1123.0	4597.0	8786.0	8280.0	8430.0	9637.0	11700.0	5740.0	2982.0	1514.0	2071.0	1037.0

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

417.00

614.00

886.00

2117.00

2814.00

4065.00

## FIFTIETH PERCENTILE

593.00

1209.00

2757.00

3961.00

5305.00

7735.00

## SEVENTY FIFTH PERCENTILE

1054.00

2517.00

7658.00

7848.00

8693.00

13140.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

4302.00

3116.00

1811.00

1057.00

653.00

452.00

## FIFTIETH PERCENTILE

7273.00

4245.00

2422.00

1694.00

996.00

718.00

## SEVENTY FIFTH PERCENTILE

9401.00

7493.00

4044.00

2398.00

1840.00

968.00

03371520 BACK CREEK AT LEESVILLE, IN

LOCATION.--Lat 38°50'48", long 86°18'06", in SW¼ sec.21, T.5 N., R.2 E., Lawrence County, Hydrologic Unit 05120208, on left bank at downstream side of county road bridge, 0.9 mi west of Leesville, 2.5 mi upstream from Jones Defeat Hollow, and 7 mi above mouth.

DRAINAGE AREA.--24.1 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 575.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 35.0 ft<sup>3</sup>/s, 19.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,300 ft<sup>3</sup>/s July 21, 1973, gage height, 14.0 ft, from floodmarks, from rating extended above 550 ft<sup>3</sup>/s on basis of step-backwater analysis and contracted-opening and flow-over-road measurement of peak flow; no flow at times during 1971, 1975, 1976, 1981, and 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached a stage of 18.1 ft from information by local resident.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971	11					8	2	16	6	10	15	8	19	15	30	28	27	16	14	32	23	29	29	8	8	4	4	2		1					
1972						1	3	4	10	24	8	20	37	24	24	22	14	22	19	19	33	38	15	9	4	5	4	3	3		1				
1973	5							19	6	7	2	4	11	13	13	9	16	14	15	21	26	32	32	47	20	17	14	11	5	4	1			1	
1974						1	3	4	6	15	35	18	20	6	8	14	6	13	22	24	51	40	35	13	14	6	6	4	1						
1975	37	4	1		1	1	3	4	4	12	4	8	9	6	6	11	20	15	10	27	21	45	47	29	13	8	13	3	1	1					
1976	8			5		4	2	8	4	12	6	8	11	12	32	39	24	15	11	32	39	42	18	11	7	7	4	4		1					
1977											4	6	44	20	44	35	42	21	17	20	14	20	26	21	10	11	7	1	1	1					
1978					1			2	2	4		3	8	9	15	17	17	15	58	50	42	24	27	17	20	15	9	4	2	2	1	1			
1979												4	5	3	6	17	27	25	22	37	46	39	38	22	26	14	12	11	5	3		1	1	1	
1980									5	16	12	7	14	13	13	26	15	15	36	44	28	23	27	20	23	13	4	5	4	1	2				
1981	1	5	3	1	2		1	1	3	11	14	35	16	27	35	36	30	20	14	17	15	20	18	12	11	8	2	3	2	2					
1982						5	5	10	8	14	25	20	26	16	17	30	25	23	14	21	19	34	13	12	11	5	5	2	1	2	1	1			
1983						15	14	11	9	13	19	12	15	17	15	16	10	20	28	21	31	28	19	16	12	13	3	2	5	1					
1984	5			1	3	3	4	12	4	4	6		6	17	20	23	16	31	18	20	23	29	31	28	24	14	6	5	5	1	1				
1985												6	5	7	17	23	25	30	54	27	29	32	33	27	18	10	11	3	4	3	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	67	5479	100.00	12	0.82	218	4765	86.97	24	67.0	230	665	12.14
1	0.01	9	5412	98.78	13	1.2	240	4547	82.99	25	97.0	162	435	7.94
2	0.02	4	5403	98.61	14	1.7	294	4307	78.61	26	140.0	115	273	4.98
3	0.03	7	5399	98.54	15	2.5	328	4013	73.24	27	200.0	70	158	2.88
4	0.04	6	5392	98.41	16	3.6	341	3685	67.26	28	290.0	40	88	1.61
5	0.06	16	5386	98.30	17	5.2	272	3344	61.03	29	420.0	30	48	0.88
6	0.09	35	5370	98.01	18	7.4	347	3072	56.07	30	610.0	9	18	0.33
7	0.13	85	5335	97.37	19	11.0	410	2725	49.74	31	880.0	5	9	0.16
8	0.19	63	5250	95.82	20	16.0	391	2315	42.25	32	1300.0	2	4	0.07
9	0.27	107	5187	94.67	21	22.0	469	1924	35.12	33	1800.0	2	2	0.04
10	0.39	133	5080	92.72	22	32.0	466	1455	26.56	34				
11	0.57	182	4947	90.29	23	47.0	324	989	18.05					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.25  
P90 = 0.59  
P75 = 2.2  
P70 = 3.1  
P50 = 10.9  
P25 = 34.7  
P10 = 82.3

## 03371520 BACK CREEK AT LEESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.00 1	0.00 1	0.06 6	0.07 5	0.32 6	1.80 10	2.00 5	1.90 4	3.10 4
1973	0.09 8	0.13 9	0.19 10	0.41 10	0.97 11	4.00 11	8.30 11	9.30 10	11.00 7
1974	0.00 2	0.00 2	0.04 5	0.08 6	0.19 4	0.58 3	0.76 2	1.50 3	16.00 11
1975	0.11 11	0.14 10	0.18 9	0.26 9	0.46 9	1.30 7	6.10 9	17.00 12	24.00 13
1976	0.00 3	0.00 3	0.00 1	0.01 1	0.04 1	0.19 1	0.40 1	0.66 1	2.80 2
1977	0.00 4	0.00 4	0.02 3	0.03 2	0.45 8	1.30 8	2.20 6	3.10 6	2.90 3
1978	0.51 13	0.65 13	0.93 13	1.80 13	3.00 13	8.60 13	9.70 12	11.00 11	12.00 8
1979	0.10 9	0.20 11	0.35 11	0.62 11	2.30 12	9.40 14	14.00 14	18.00 13	22.00 12
1980	1.60 14	1.70 14	2.10 14	2.20 14	3.30 14	4.80 12	10.00 13	27.00 14	36.00 14
1981	0.00 5	0.01 6	0.01 2	0.03 3	0.18 3	0.40 2	0.95 3	1.40 2	2.10 1
1982	0.40 12	0.45 12	0.59 12	0.77 12	0.83 10	1.19 6	2.90 7	7.90 9	7.20 5
1983	0.10 10	0.10 8	0.13 8	0.23 8	0.40 7	1.70 9	6.70 10	7.00 7	8.60 6
1984	0.08 7	0.09 7	0.10 7	0.10 7	0.17 2	1.10 4	1.60 4	2.40 5	14.00 10
1985	0.00 6	0.00 5	0.03 4	0.05 4	0.21 5	1.10 5	3.50 8	7.20 8	12.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	560.00 11	260.00 14	190.00 12	121.00 12	82.00 14	55.00 15	44.00 15	38.00 15	31.00 15
1972	925.00 6	676.00 4	468.00 3	312.00 2	177.00 3	118.00 3	88.00 4	69.00 6	52.00 11
1973	5000.00 1	1850.00 1	814.00 1	391.00 1	211.00 1	133.00 2	100.00 2	102.00 1	97.00 1
1974	528.00 12	287.00 11	180.00 13	116.00 13	98.00 11	73.00 13	73.00 10	63.00 10	54.00 10
1975	1030.00 5	482.00 7	245.00 8	134.00 11	120.00 8	93.00 8	78.00 8	72.00 5	64.00 6
1976	498.00 13	284.00 12	150.00 14	83.00 15	73.00 15	59.00 14	52.00 14	48.00 14	37.00 13
1977	420.00 15	237.00 15	150.00 15	102.00 14	88.00 13	74.00 12	66.00 11	51.00 12	40.00 12
1978	1160.00 4	632.00 5	373.00 5	226.00 5	131.00 6	86.00 10	78.00 9	62.00 11	58.00 8
1979	1840.00 2	739.00 3	586.00 2	301.00 3	176.00 4	111.00 4	93.00 3	87.00 3	77.00 2
1980	718.00 9	482.00 8	296.00 7	154.00 9	102.00 10	87.00 9	65.00 12	65.00 9	62.00 7
1981	457.00 14	264.00 13	234.00 9	134.00 10	91.00 12	80.00 11	58.00 13	49.00 13	35.00 14
1982	1760.00 3	858.00 2	428.00 4	290.00 4	201.00 2	135.00 1	107.00 1	93.00 2	65.00 4
1983	812.00 7	581.00 6	333.00 6	210.00 6	147.00 5	108.00 5	81.00 5	67.00 7	68.00 3
1984	642.00 10	402.00 10	221.00 11	158.00 8	111.00 9	100.00 7	81.00 6	67.00 8	57.00 9
1985	760.00 8	462.00 9	232.00 10	161.00 7	125.00 7	106.00 6	79.00 7	80.00 4	64.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	15.00 3
1973	52.00 14
1974	51.00 12
1975	47.00 10
1976	22.00 4
1977	14.00 2
1978	34.00 6
1979	47.00 11
1980	52.00 13
1981	13.00 1
1982	45.00 9
1983	25.00 5
1984	40.00 7
1985	45.00 8

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	17.00 15
1972	30.00 11
1973	65.00 1
1974	36.00 7
1975	34.00 10
1976	20.00 14
1977	22.00 12
1978	38.00 4
1979	59.00 2
1980	35.00 9
1981	20.00 13
1982	36.00 8
1983	37.00 5
1984	36.00 6
1985	39.00 3

## WABASH RIVER BASIN

03371520 BACK CREEK AT LEESVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	1.71	6.48	14.40	20.30	83.60	28.40	13.30	30.90	2.47	6.69	3.45	3.05
1972	2.21	1.51	15.70	20.00	21.80	57.50	176.00	16.90	8.86	13.50	19.10	5.35
1973	3.47	68.30	82.00	51.30	37.90	143.00	111.00	15.90	63.30	195.00	1.32	0.19
1974	1.27	26.10	27.50	66.50	35.00	67.20	72.00	40.70	23.20	0.50	8.59	60.90
1975	10.80	67.70	52.30	51.80	89.10	95.00	29.90	9.15	6.01	0.14	0.33	0.80
1976	3.44	30.60	36.80	55.70	47.40	40.70	8.62	5.35	7.20	7.01	0.81	2.43
1977	5.56	4.58	3.17	0.98	36.40	83.30	56.80	25.60	14.30	19.80	12.90	4.14
1978	14.50	18.90	86.80	15.30	10.30	127.00	35.40	67.10	3.60	20.10	41.40	7.46
1979	33.90	26.10	73.70	81.50	105.00	68.30	71.60	32.30	24.00	94.80	92.40	6.60
1980	3.31	77.70	86.60	26.40	19.70	90.70	52.10	38.90	15.90	3.12	4.47	1.77
1981	0.31	1.90	2.79	1.73	25.80	9.74	77.30	69.70	23.20	3.05	23.90	4.47
1982	1.12	3.75	28.60	147.00	90.90	72.70	41.80	8.38	15.40	4.35	19.40	3.47
1983	2.90	29.70	101.00	28.40	23.50	21.70	85.90	126.00	14.30	4.57	2.14	1.62
1984	48.00	45.00	38.50	7.89	36.90	73.60	104.00	51.00	3.54	17.80	1.13	7.01
1985	11.80	40.70	75.60	38.40	97.10	95.10	33.50	19.50	5.01	14.40	37.90	3.57

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.71	4.58	15.70	15.30	23.50	40.70
FIFTIETH PERCENTILE					
3.44	26.10	38.50	28.40	36.90	72.70
SEVENTY FIFTH PERCENTILE					
11.80	45.00	82.00	55.70	89.10	95.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
33.50	15.90	5.01	3.12	1.32	1.77
FIFTIETH PERCENTILE					
56.80	30.90	14.30	7.01	8.59	3.57
SEVENTY FIFTH PERCENTILE					
85.90	51.00	23.19	19.80	23.90	6.60

## 03371600 SOUTH FORK SALT CREEK AT KURTZ, IN

LOCATION.--Lat 38°57'46", long 86°12'12", in SW¼SW¼ sec.9, T.6 N., R.3 E., Jackson County, Hydrologic Unit 05120208, on right bank at downstream side of county road bridge, at north edge of Kurtz, 0.8 mi upstream from right-bank tributary, and 6.1 mi upstream from Little Salt Creek.

DRAINAGE AREA.--38.2 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1960 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 568.00 ft above National Geodetic Vertical Datum of 1929 (unadjusted).

AVERAGE DISCHARGE.--11 years, 39.9 ft<sup>3</sup>/s, 14.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,400 ft<sup>3</sup>/s May 24, 1968, gage height, 13.84 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1959 reached a stage of approximately 15 ft, from floodmarks.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1961	101						2		3	11	6	7	9	29	29	15	9	10	6	16	16	19	19	15	10	12	6	5	4	3		1	2		
1962	71						5		3	13	5	12	17	26	12	14	17	23	17	18	30	24	15	17	8	6	4	2	2	1	1	2			
1963	46						24		9	18	18	11	15	34	27	21	23	13	10	20	17	10	11	12	9	7	3	1	3		1	1	1		
1964	173						2		4	10	5	7	13	13	21	14	8	10	7	8	11	21	9	8	7	5	4	2	1		1	1	1		
1965	116						16		13	13	7	10	10	5	8	8	13	16	17	20	25	20	13	10	7	5	4	4	2	1		1	1		
1966	43						21		6	8	4	7	29	31	29	24	18	19	10	20	24	20	10	13	8	5	6	3	3	2		2			
1967	56	7	6	6	4	8	12	4	9	11	9	7	4	9	7	9	15	17	15	31	15	18	19	18	13	15	9	3	4	1	3	1			
1968	47	4	12	7	5	8	6	5	5	8	6	15	8	9	6	20	32	15	11	13	15	16	27	17	11	12	11	5	1	4	2	2	1		
1969	59	1	1	1	2	3	2	3	3	3	3	6	8	4	12	9	22	30	30	28	29	16	26	21	11	11	9	1	5	4	1	4			
1970	21	1	12	11	8	8	7	7	5	11	4	5	8	9	11	14	27	33	16	24	23	25	22	19	11	9	5	3	2	2		1	1		
1971	7	3	5	2	8	4	4	7	6	4	7	15	14	14	23	24	27	32	40	27	26	18	12	12	9	5	3	4	2		1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	740	4017	100.00	12	0.90	136	2679	66.69	24	82.0	107	385	9.58
1	0.01	12	3277	81.58	13	1.3	183	2543	63.31	25	120.0	96	278	6.92
2	0.02	34	3265	81.28	14	1.9	176	2360	58.75	26	170.0	66	182	4.53
3	0.03	30	3231	80.43	15	2.8	171	2184	54.37	27	250.0	32	116	2.89
4	0.05	20	3201	79.69	16	4.1	208	2013	50.11	28	370.0	31	84	2.09
5	0.07	34	3181	79.19	17	5.9	213	1805	44.93	29	530.0	20	53	1.32
6	0.10	102	3147	78.34	18	8.6	171	1592	39.63	30	780.0	9	33	0.82
7	0.14	22	3045	75.80	19	12.0	238	1421	35.37	31	1100.0	16	24	0.60
8	0.20	67	3023	75.26	20	18.0	232	1183	29.45	32	1600.0	7	8	0.20
9	0.29	112	2956	73.59	21	26.0	215	951	23.67	33	2400.0	1	1	0.02
10	0.43	71	2844	70.80	22	39.0	189	736	18.32	34				
11	0.62	94	2773	69.03	23	56.0	162	547	13.62					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.00
P90 =	0.01
P75 =	0.21
P70 =	0.52
P50 =	4.1
P25 =	24.2
P10 =	79.3

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1962	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.06 5	0.06 5	0.23 4	2.60 6
1963	0.00 2	0.00 2	0.00 2	0.01 9	0.04 7	0.30 6	0.85 8	1.60 8	4.50 7
1964	0.00 3	0.00 3	0.00 3	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	0.37 1
1965	0.00 4	0.00 4	0.00 4	0.00 3	0.00 3	0.00 2	0.00 2	0.00 2	1.30 2
1966	0.00 5	0.00 5	0.00 5	0.00 4	0.17 9	1.10 9	1.30 9	1.50 7	2.40 4
1967	0.00 6	0.00 6	0.00 6	0.00 5	0.06 8	0.47 7	0.42 6	1.80 9	2.40 5
1968	0.00 7	0.00 7	0.00 7	0.00 6	0.00 4	0.00 3	0.00 3	0.20 3	1.30 3
1969	0.00 8	0.00 8	0.00 8	0.00 7	0.00 5	0.00 4	0.04 4	1.19 6	4.90 9
1970	0.00 9	0.00 9	0.00 9	0.00 8	0.03 6	1.10 10	2.10 10	9.90 10	15.00 10
1971	0.00 10	0.00 10	0.00 10	0.04 10	0.22 10	0.49 8	0.52 7	0.94 5	4.80 8

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1961	2140.00	3	1620.00	2	811.00	2	402.00	3	258.00	3	180.00	2	170.00	1	148.00	1	100.00	2
1962	1250.00	10	776.00	7	451.00	7	267.00	8	177.00	8	130.00	8	109.00	7	87.00	7	61.00	8
1963	1630.00	5	884.00	6	426.00	9	366.00	5	244.00	5	145.00	5	109.00	8	83.00	10	57.00	11
1964	3870.00	4	1990.00	1	1030.00	1	533.00	1	284.00	1	186.00	1	127.00	3	101.00	5	68.00	6
1965	1670.00	1	1020.00	5	562.00	4	276.00	7	198.00	7	117.00	9	106.00	3	85.00	8	58.00	9
1966	1370.00	8	615.00	9	457.00	6	248.00	10	170.00	9	108.00	10	95.00	10	84.00	9	61.00	7
1967	1270.00	9	540.00	11	447.00	8	309.00	6	210.00	6	138.00	6	127.00	4	107.00	4	89.00	4
1968	2390.00	2	1210.00	3	694.00	3	372.00	4	251.00	4	176.00	3	154.00	2	127.00	2	106.00	1
1969	1570.00	7	1060.00	4	528.00	5	432.00	2	259.00	2	162.00	4	118.00	5	121.00	3	99.00	3
1970	1600.00	6	629.00	8	338.00	11	194.00	11	158.00	11	130.00	7	113.00	6	93.00	6	73.00	5
1971	1240.00	11	552.00	10	383.00	10	250.00	9	166.00	10	108.00	11	88.00	11	73.00	11	58.00	10

### ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1962	57.00	9
1963	28.00	2
1964	32.00	4
1965	31.00	3
1966	22.00	1
1967	44.00	6
1968	46.00	7
1969	61.00	10
1970	48.00	8
1971	41.00	5

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	51.00	3
1962	34.00	7
1963	30.00	10
1964	34.00	8
1965	29.00	11
1966	32.00	9
1967	45.00	4
1968	55.00	2
1969	57.00	1
1970	38.00	5
1971	35.00	6

**NORMAL MONTHLY MEANS (ALL DAYS)**

[illegible]



## 03371600 SOUTH FORK SALT CREEK AT KURTZ, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
		TWENTY FIFTH PERCENTILE			
0.00	0.00	2.53	11.50	34.20	51.60
		FIFTIETH PERCENTILE			
0.11	2.00	15.80	31.20	54.10	99.70
		SEVENTY FIFTH PERCENTILE			
3.44	10.90	74.70	53.80	127.00	183.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
		TWENTY FIFTH PERCENTILE			
48.60	10.90	2.91	0.44	0.55	0.00
		FIFTIETH PERCENTILE			
86.60	36.90	12.40	4.60	1.12	0.94
		SEVENTY FIFTH PERCENTILE			
145.00	180.00	24.60	22.30	3.35	4.73

## 03371650 NORTH FORK SALT CREEK AT NASHVILLE, IN

LOCATION.--Lat 39°12'06", long 86°14'51", in NW¼SW¼ sec.19, T.9 N., R.3 E., Brown County, Hydrologic Unit 05120208, on right bank 90 ft downstream from bridge on State Highway 46, 800 ft downstream from Greasy Creek, 0.4 mi south of center of Nashville, and at mile 32.5.

DRAINAGE AREA.--76.1 mi<sup>2</sup>.

PERIOD OF RECORD.--WATER DISCHARGE: July 1962 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

CHEMICAL ANALYSES: February 1974 to September 1976.

WATER TEMPERATURE: February 1974 to September 1976.

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 579.58 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 16, 1964, nonrecording gage at site 90 ft upstream at same datum.

AVERAGE DISCHARGE.--14 years, 78.9 ft<sup>3</sup>/s, 14.08 in/yr.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1963	9					3		2	1	15	6	24	19	28	51	38	32	17	24	15	17	12	9	13	11	5	6	3	1		1	3			
1964	105					25	12	2	10	7	10	18	16	18	8	16	20	17	14	4	14	14	5	8	8	8	3		1	1		1	1		
1965	68					7		4	3	4	1	6	14	20	26	25	20	21	18	19	17	21	18	20	7	11	4	6	3	1		1			
1966	2					13		4	12	21	6	4	7	4	11	30	49	30	35	17	26	19	21	22	10	8	7	3	1	3					
1967	12	1		4	2	3	2	5	5	15	13	3	13	7	11	20	18	9	20	27	33	28	26	26	18	15	10	8	4	3	4				
1968	12		1	1		1		1		1	4	3	21	31	27	36	34	23	13	14	16	23	31	23	17	8	9	7	1	3	3	1	1		
1969									6	15	8	11	5		21	32	23	24	27	35	28	22	22	27	25	12	7	6	3	1	2	2	1		
1970												2	35	33	14	15	13	23	23	38	31	33	25	23	24	19	9	1		1	2	1			
1971									2	13	12	17	22	12	16	19	27	47	38	27	32	21	19	17	12	3	4	3	1	1					
1972	7		2		2		7	7	4	12	3	7	14	26	34	28	12	11	16	27	22	35	39	15	8	10	10	3	2	1	1	1			
1973										5	8	11	4	4	3	19	13	13	19	26	34	38	37	31	29	33	14	14	7	2	1				
1974											16	13	26	14	25	13	6	11	25	15	22	30	33	38	30	22	12	7	3	3	1				
1975									16	16	25	14	6	1	8	8	15	15	23	20	14	29	34	41	28	23	13	7	2	3	2	1	1		
1976						4	7	33	20	3	16	3	7	17	11	8	9	22	36	18	31	34	29	20	12	9	6	5	2	4					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	215	5114	100.00	12	1.1	206	4309	84.26	24	130.0	244	727	14.22
1	0.01	1	4899	95.80	13	1.7	223	4103	80.23	25	190.0	195	483	9.44
2	0.02	3	4898	95.78	14	2.5	272	3880	75.87	26	290.0	118	288	5.63
3	0.03	5	4895	95.72	15	3.7	296	3608	70.55	27	430.0	77	170	3.32
4	0.06	4	4890	95.62	16	5.6	279	3312	64.76	28	630.0	32	93	1.82
5	0.07	56	4886	95.54	17	8.2	266	3033	59.31	29	940.0	27	61	1.19
6	0.11	16	4830	94.45	18	12.0	343	2767	54.11	30	1400.0	19	34	0.66
7	0.16	68	4814	94.13	19	18.0	323	2424	47.40	31	2100.0	10	15	0.29
8	0.24	69	4746	92.80	20	27.0	322	2101	41.08	32	3100.0	4	5	0.10
9	0.35	119	4677	91.45	21	40.0	370	1779	34.79	33	4600.0	1	1	0.02
10	0.52	126	4558	89.13	22	59.0	359	1409	27.55	34				
11	0.77	123	4432	86.66	23	88.0	323	1050	20.53					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.09  
P90 = 0.46  
P75 = 2.7  
P70 = 3.9  
P50 = 15.7  
P25 = 69.6  
P10 = 183.0

## 03371650 NORTH FORK SALT CREEK AT NASHVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1964	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.05 2	0.09 2	0.32 2	1.40 2
1965	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.00 1	1.10 1
1966	0.80 11	0.87 11	1.00 11	1.30 11	2.40 12	5.00 12	6.50 11	7.10 9	13.00 7
1967	0.00 3	0.07 5	0.07 5	0.16 5	0.32 5	1.90 8	5.20 10	7.50 10	16.00 8
1968	0.00 4	0.00 3	0.00 3	0.00 3	0.00 3	0.17 3	0.50 3	1.19 3	3.40 3
1969	0.30 7	0.30 7	0.31 6	0.38 7	0.50 6	1.00 6	1.90 6	7.60 11	31.00 11
1970	2.90 13	2.90 13	3.10 13	3.60 13	4.40 13	6.90 13	9.10 13	32.00 13	38.00 13
1971	0.92 12	1.00 12	1.10 12	1.30 12	1.70 11	2.40 10	3.10 8	3.50 6	9.60 5
1972	0.44 9	0.48 8	0.55 9	0.74 9	1.19 9	2.40 11	3.50 9	3.50 7	5.80 4
1973	0.00 5	0.00 4	0.00 4	0.08 4	0.13 4	0.46 4	1.60 5	3.20 4	20.00 9
1974	0.43 8	0.49 9	0.51 8	0.60 8	0.81 8	1.80 7	2.10 7	6.60 8	36.00 12
1975	0.65 10	0.71 10	0.72 10	0.96 10	1.40 10	2.30 9	8.00 12	13.00 12	30.00 10
1976	0.27 6	0.28 6	0.33 7	0.35 6	0.60 7	0.83 5	0.90 4	3.40 5	12.00 6

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1963	2710.00 6	1720.00 5	883.00 5	757.00 1	516.00 1	301.00 4	210.00 6	162.00 9	110.00 11
1964	5030.00 1	2930.00 1	1400.00 1	742.00 2	486.00 2	341.00 2	233.00 3	178.00 7	119.00 10
1965	2380.00 8	1140.00 8	594.00 11	302.00 13	254.00 12	197.00 12	191.00 10	152.00 12	102.00 13
1966	1380.00 13	738.00 13	533.00 12	324.00 12	253.00 13	154.00 14	133.00 14	124.00 14	95.00 14
1967	1850.00 12	1740.00 4	1080.00 3	582.00 6	333.00 8	236.00 8	208.00 8	181.00 6	180.00 3
1968	4570.00 2	2250.00 2	1280.00 2	646.00 4	420.00 4	275.00 5	225.00 4	200.00 4	161.00 5
1969	3240.00 4	1750.00 3	927.00 4	682.00 3	408.00 5	266.00 6	210.00 5	215.00 3	161.00 6
1970	2670.00 7	1140.00 9	642.00 10	403.00 10	304.00 10	217.00 9	190.00 11	169.00 8	141.00 7
1971	2050.00 9	1050.00 10	752.00 8	462.00 9	307.00 9	207.00 10	164.00 13	138.00 13	109.00 12
1972	2910.00 5	1220.00 7	772.00 7	590.00 5	366.00 7	251.00 7	204.00 9	161.00 10	124.00 8
1973	1870.00 11	1020.00 11	705.00 9	506.00 7	384.00 6	337.00 3	256.00 2	221.00 2	197.00 2
1974	1960.00 10	977.00 12	508.00 13	346.00 11	277.00 11	205.00 11	209.00 7	191.00 5	172.00 4
1975	3440.00 3	1640.00 6	814.00 6	493.00 8	442.00 3	352.00 1	292.00 1	261.00 1	213.00 1
1976	1230.00 14	719.00 14	413.00 14	256.00 14	220.00 14	189.00 13	173.00 12	161.00 11	119.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1964	48.00 2
1965	52.00 3
1966	52.00 4
1967	90.00 9
1968	70.00 5
1969	113.00 11
1970	86.00 8
1971	81.00 7
1972	38.00 1
1973	113.00 12
1974	102.00 10
1975	135.00 13
1976	77.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1963	57.00 12
1964	60.00 10
1965	55.00 13
1966	52.00 14
1967	97.00 3
1968	95.00 6
1969	97.00 4
1970	76.00 7
1971	60.00 11
1972	64.00 8
1973	122.00 1
1974	95.00 5
1975	113.00 2
1976	62.00 9

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1962	*	*	*	*	*	*	*	*	*	*	13.50	3.32
1963	0.82	2.62	2.49	18.10	8.27	480.00	101.00	32.60	15.40	7.81	3.31	0.40
1964	0.92	0.04	0.07	7.81	11.60	394.00	268.00	21.70	1.84	6.83	0.04	0.00
1965	0.00	0.00	1.00	27.40	177.00	139.00	250.00	28.80	2.98	7.67	9.39	34.10
1966	17.40	6.23	13.90	66.80	130.00	62.70	154.00	148.00	6.20	1.05	13.40	11.40
1967	6.92	91.00	295.00	57.20	83.30	212.00	161.00	239.00	11.70	3.65	0.72	0.07
1968	0.79	3.81	127.00	77.90	113.00	102.00	146.00	395.00	24.70	116.00	24.10	2.37
1969	0.59	15.30	133.00	345.00	86.10	53.70	295.00	50.40	22.70	140.00	6.35	9.34
1970	12.20	118.00	49.60	105.00	102.00	125.00	303.00	72.50	19.40	2.24	3.97	3.56
1971	10.70	29.70	43.50	79.20	307.00	117.00	34.80	85.90	18.20	7.63	2.06	3.69
1972	5.26	3.21	64.80	47.80	46.90	130.00	365.00	92.60	12.60	3.54	0.59	1.88
1973	9.88	144.00	167.00	113.00	100.00	342.00	316.00	45.90	113.00	93.20	13.50	0.87
1974	2.71	41.80	114.00	192.00	105.00	194.00	191.00	210.00	49.60	2.97	1.95	34.80
1975	14.70	90.30	153.00	180.00	332.00	369.00	168.00	20.40	41.90	1.59	1.00	0.91
1976	14.70	74.10	172.00	170.00	140.00	125.00	28.00	10.70	12.90	1.41	0.17	0.40

## WABASH RIVER BASIN

03371650 NORTH FORK SALT CREEK AT NASHVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.81	3.06	11.00	42.70	74.20	113.00
FIFTIETH PERCENTILE					
6.09	22.50	89.40	78.50	104.00	135.00
SEVENTY FIFTH PERCENTILE					
12.80	90.50	157.00	173.00	149.00	349.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
135.00	27.00	10.30	2.08	0.72	0.40
FIFTIETH PERCENTILE					
180.00	61.40	16.80	5.24	3.31	2.37
SEVENTY FIFTH PERCENTILE					
297.00	164.00	29.00	29.20	13.40	9.34

## 03372000 NORTH FORK SALT CREEK NEAR BELMONT, IN

LOCATION.--Lat 39°09'00", long 85°20'14", in SW¼NW¼ sec.5, T.8 N., R.2 E., Brown County, Hydrologic Unit 05120208, on right bank 15 ft downstream from bridge on State Highway 46, 100 ft upstream from Schooner Creek, 0.7 mi northeast of Belmont, 6.5 mi upstream from Brummett Creek, and 20 mi upstream from mouth. Records include flow of Schooner Creek.

DRAINAGE AREA.--120 mi<sup>2</sup>, includes that of Schooner Creek.

PERIOD OF RECORD.--April 1946 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 543.62 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Flood Control and Water Resources Commission). Prior to Oct. 9, 1951, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years, 130 ft<sup>3</sup>/s, 14.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,300 ft<sup>3</sup>/s June 23, 1960, gage height, 23.10 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 25.7 ft, from information by local residents.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1947				4	8	11	4	2	6	2	7	8	12	13	20	34	38	27	21	18	35	23	20	8	12	5	9	8	4	5			1			
1948	2	6		5	4	7	4	18	10	19	41	22	48	12	21	20	7	6	10	16	23	18	14	15	4	4	4	1	2	2	1					
1949		3		7	3	3				2	18	16	15	23	27	22	21	24	37	27	31	19	15	17	8	6	3	5	5	2	2	3		1		
1950							1	5	12	5	8	10	6	11	24	26	28	21	17	17	25	35	37	23	8	9	5	8	8	8	6	1				1
1951						2	11	20	8	6	7	19	18	12	14	13	12	15	17	28	19	34	35	21	17	11	7	10	3	4	2					
1952	18	25		13	13	11	6	7	4	13	9	14	3	4	15	6	14	16	9	13	27	23	30	19	11	11	10	7	8	5	1			1		
1953	32	26		25	7	2	1	7	13	14	17	20	16	23	8	7	8	7	15	17	18	29	18	9	10	7	5	2		2						
1954	83	53		13	3	5	4	11	11	13	10	4	7	14	12	15	15	11	10	17	20	13	9	6	4	2										
1955	47	8		5	3	17	17	22	19	3	5	6	8	8	17	25	17	13	15	13	23	19	20	15	8	2	4	2	3	1						
1956							1	6	9	6	9	19	34	23	22	30	23	14	21	23	19	26	21	22	16	9	3	4	4	1	1					
1957		2		2	10	8	8	13	13	19	23	8	4	9	9	10	19	27	34	18	40	22	16	11	12	7	5	7	4	1	2	2				
1958				2	17	3	4	5	7		1	3	3	11	7	11	21	35	35	22	29	38	29	25	18	12	10	4	7	2	3	1				
1959						5	2	7	14	18	15	10	18	29	20	19	22	9	28	27	36	32	20	17	8	2	1	3		1	1		1			
1960						10	1	3	2	2	9	20	11	14	15	22	29	27	41	49	35	23	18	15	7	5	4		2				1	1		
1961		1		8	7	32	7	11	12	11	12	30	49	27	9	12	19	12	11	6	8	13	15	10	15	7	9	6		3	1		1	1		
1962		8		14	7	11	2	2	1	2	15	20	29	16	8	14	20	30	32	31	21	26	19	10	9	5	4	3	2	4						
1963					3	4	12	6	6	16	56	42	34	25	31	25	15	13	12	11	6	14	13	9		4	4	2				1	1			
1964	46	50		21	8	12	13	12	12	14	9	20	12	12	12	18	14	12	4	5	15	9	7	5	7	3	6	2	3	1		1		1		
1965	58	1		7	1	6	7	5	1	6	14	8	14	23	24	24	21	21	14	24	21	18	14	4	8	7	6	4	2	1		1				
1966				1	5	16	9	12	7	5	11	6	8	39	34	26	25	25	26	20	22	18	14	10	8	7	4	4	2	1						
1967		14		5	9	8	4	9	1	8	13	8	16	22	12	9	12	19	23	38	26	18	25	13	18	11	10	3	6	3	1	1				
1968		6	5		3	3	2	4	4	3	22	24	20	19	13	43	25	14	12	16	21	26	22	20	8	8	6	3	4	6	2	1		1		
1969						10	3	23		9		1	19	25	21	18	31	28	32	18	20	19	22	23	12	11	7	4	1	3	3	1	1			
1970										8	39	24	11	10	22	21	22	24	26	20	34	24	23	15	19	9	6	2	1	3	1	1				
1971				3	6	5	7		9	22	15	11	19	21	19	55	25	22		23	26	12	15	15	14	8	5	3	1	3	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	286	9131	100.00	12	4.3	426	6752	73.95	24	280.0	279	882	9.66
1	0.09	189	8845	96.87	13	6.0	441	6326	69.28	25	400.0	174	603	6.60
2	0.13	19	8656	94.80	14	8.6	441	5885	64.45	26	570.0	138	429	4.70
3	0.18	132	8637	94.59	15	12.0	496	5444	59.62	27	810.0	97	291	3.19
4	0.26	108	8505	93.14	16	17.0	540	4948	54.19	28	1200.0	77	194	2.12
5	0.37	173	8397	91.96	17	25.0	490	4408	48.28	29	1600.0	61	117	1.28
6	0.52	131	8224	90.07	18	35.0	506	3918	42.91	30	2300.0	28	56	0.61
7	0.74	196	8093	88.63	19	49.0	519	3412	37.37	31	3300.0	15	28	0.31
8	1.1	195	7897	86.49	20	70.0	596	2893	31.68	32	4700.0	5	13	0.14
9	1.5	199	7702	84.35	21	100.0	547	2297	25.16	33	6700.0	7	8	0.09
10	2.1	355	7503	82.17	22	140.0	504	1750	19.17	34	9500.0	1	1	0.01
11	3.0	396	7148	78.28	23	200.0	364	1246	13.65					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.13  
P90 = 0.53  
P75 = 4.0  
P70 = 5.7  
P50 = 22.7  
P25 = 101.0  
P10 = 273.0

## 03372000 NORTH FORK SALT CREEK NEAR BELMONT, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	0.20 14	0.23 13	0.51 14	0.76 14	1.10 15	1.90 14	3.10 13	4.50 12	14.00 12
1949	0.00 1	0.03 7	0.10 9	0.16 10	0.20 9	0.85 12	1.60 11	2.30 10	9.70 10
1950	2.10 22	2.20 22	2.50 22	3.20 22	6.30 21	15.00 23	18.00 22	21.00 21	22.00 16
1951	0.70 17	0.80 18	0.97 18	1.19 17	1.60 17	4.30 19	23.00 23	22.00 22	41.00 20
1952	0.00 2	0.00 1	0.04 6	0.10 6	0.14 7	0.38 8	0.65 6	1.90 7	16.00 13
1953	0.00 3	0.00 2	0.00 1	0.00 1	0.05 4	0.12 4	0.23 3	0.44 4	2.50 5
1954	0.00 4	0.00 3	0.00 2	0.00 2	0.00 1	0.00 1	0.03 2	0.05 2	0.36 1
1955	0.00 5	0.00 4	0.00 3	0.00 3	0.00 2	0.11 3	0.25 4	0.42 3	0.69 2
1956	0.00 6	0.00 5	0.00 4	0.00 4	0.08 5	0.81 11	4.40 15	8.30 17	18.00 15
1957	0.50 15	0.60 16	0.81 17	1.19 18	1.50 16	2.20 15	7.20 18	6.90 15	28.00 19
1958	0.10 10	0.13 11	0.21 11	0.30 11	0.35 11	0.47 9	0.77 7	2.50 11	45.00 21
1959	3.40 23	3.80 23	5.60 24	8.90 24	10.00 24	18.00 24	23.00 24	42.00 23	72.00 24
1960	0.70 18	0.70 17	0.74 16	1.10 16	3.40 20	5.90 20	7.10 17	8.00 16	16.00 14
1961	0.10 11	0.17 12	0.24 12	0.34 12	0.39 12	0.51 10	0.97 9	1.70 6	5.30 7
1962	0.10 12	0.10 10	0.10 7	0.14 8	0.21 10	0.36 7	1.30 10	2.00 8	4.50 6
1963	1.70 20	1.80 20	2.00 19	2.20 19	2.80 18	3.30 17	4.10 14	4.60 13	9.50 9
1964	0.00 7	0.03 8	0.10 8	0.10 7	0.12 6	0.23 5	0.30 5	0.75 5	2.40 4
1965	0.00 8	0.00 6	0.00 5	0.00 5	0.00 3	0.00 2	0.00 1	0.02 1	1.50 3
1966	1.60 19	1.70 19	2.10 20	3.10 21	8.20 23	12.00 22	13.00 20	16.00 20	24.00 18
1967	0.20 13	0.27 14	0.30 13	0.44 13	0.50 13	3.00 16	8.30 19	11.00 18	23.00 17
1968	0.09 9	0.10 9	0.11 10	0.15 9	0.19 8	0.33 6	0.77 8	2.30 9	7.80 8
1969	0.52 16	0.52 15	0.53 15	0.88 15	1.00 14	1.50 13	2.60 12	13.00 19	52.00 22
1970	4.30 24	4.40 24	4.70 23	5.50 23	7.10 22	9.10 21	14.00 21	44.00 24	57.00 23
1971	1.90 21	2.00 21	2.10 21	2.30 20	2.80 19	3.60 18	4.50 16	5.00 14	14.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1947	6670.00 9	3030.00 9	1500.00 11	909.00 12	657.00 9	610.00 4	467.00 4	359.00 7	292.00 7
1948	2360.00 20	1720.00 18	891.00 19	540.00 18	496.00 17	331.00 17	262.00 19	216.00 21	155.00 22
1949	8190.00 4	4590.00 5	2080.00 5	1170.00 6	1030.00 2	664.00 2	583.00 2	475.00 2	332.00 3
1950	9700.00 1	4590.00 6	2490.00 3	1940.00 1	1220.00 1	925.00 1	707.00 1	643.00 1	466.00 1
1951	3070.00 17	1730.00 17	1070.00 17	693.00 17	419.00 18	399.00 13	363.00 11	338.00 8	311.00 4
1952	6970.00 7	2910.00 11	1380.00 12	784.00 15	536.00 16	464.00 10	414.00 6	404.00 4	367.00 2
1953	2180.00 21	1190.00 23	741.00 23	407.00 23	331.00 24	262.00 23	262.00 20	210.00 22	154.00 23
1954	497.00 25	334.00 25	223.00 25	187.00 25	156.00 25	114.00 25	96.00 25	81.00 25	60.00 25
1955	1640.00 24	1030.00 24	601.00 24	390.00 24	356.00 23	287.00 21	230.00 23	203.00 23	149.00 24
1956	2790.00 18	1520.00 20	803.00 22	454.00 22	381.00 22	295.00 20	275.00 18	257.00 15	204.00 14
1957	4220.00 12	2880.00 12	2000.00 7	1020.00 8	558.00 11	533.00 6	398.00 8	335.00 9	269.00 11
1958	3650.00 14	2270.00 14	1270.00 14	876.00 13	542.00 14	410.00 12	358.00 12	318.00 11	273.00 10
1959	6900.00 8	3840.00 7	1780.00 9	964.00 10	770.00 5	531.00 7	402.00 7	325.00 10	246.00 12
1960	8460.00 3	4600.00 4	2060.00 6	1010.00 9	575.00 10	330.00 18	243.00 22	221.00 19	196.00 15
1961	8040.00 6	5670.00 1	2920.00 1	1470.00 2	963.00 3	622.00 3	549.00 3	424.00 3	281.00 9
1962	2090.00 22	1520.00 21	809.00 21	518.00 19	413.00 20	275.00 22	257.00 21	216.00 20	181.00 18
1963	5390.00 11	2670.00 13	1310.00 13	1100.00 7	763.00 6	453.00 11	322.00 15	252.00 16	172.00 19
1964	8080.00 5	4630.00 3	2300.00 4	1240.00 5	742.00 7	547.00 5	375.00 9	285.00 14	189.00 16
1965	3640.00 15	1890.00 16	976.00 18	493.00 20	415.00 19	312.00 19	303.00 16	242.00 17	164.00 20
1966	1970.00 23	1290.00 22	816.00 20	490.00 21	388.00 21	245.00 24	216.00 24	201.00 24	157.00 21
1967	3600.00 16	3030.00 10	1790.00 8	953.00 11	542.00 15	389.00 14	340.00 13	298.00 12	295.00 6
1968	9470.00 2	4760.00 2	2630.00 2	1340.00 3	827.00 4	518.00 8	417.00 5	371.00 6	303.00 5
1969	5420.00 10	3100.00 8	1680.00 10	1240.00 4	738.00 8	477.00 9	370.00 10	382.00 5	284.00 8
1970	3770.00 13	2160.00 15	1220.00 16	768.00 16	553.00 12	388.00 15	334.00 14	292.00 13	242.00 13
1971	2410.00 19	1570.00 19	1250.00 15	805.00 14	542.00 13	365.00 16	289.00 17	242.00 18	188.00 17

### ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	162.00	17
1949	194.00	21
1950	227.00	24
1951	178.00	19
1952	173.00	18
1953	100.00	8
1954	47.00	1
1955	71.00	2
1956	85.00	6
1957	101.00	9
1958	180.00	20
1959	222.00	23
1960	76.00	3
1961	120.00	11
1962	152.00	16
1963	103.00	10
1964	82.00	5
1965	81.00	4
1966	87.00	7
1967	145.00	15
1968	124.00	12
1969	205.00	22
1970	141.00	13
1971	141.00	14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1947	156.00	9
1948	79.00	22
1949	175.00	5
1950	263.00	1
1951	170.00	6
1952	192.00	2
1953	78.00	23
1954	30.00	25
1955	77.00	24
1956	116.00	14
1957	147.00	10
1958	190.00	3
1959	136.00	12
1960	115.00	15
1961	143.00	11
1962	101.00	17
1963	89.00	20
1964	95.00	18
1965	90.00	19
1966	85.00	21
1967	159.00	8
1968	175.00	4
1969	165.00	7
1970	130.00	13
1971	104.00	16

NORMAL MONTHLY MEANS (ALL DAYS)

[illegible]

## WABASH RIVER BASIN

03372000 NORTH FORK SALT CREEK NEAR BELMONT, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.40	1.79	10.40	67.00	103.00	145.00
FIFTIETH PERCENTILE					
1.50	13.80	69.50	125.00	198.00	231.00
SEVENTY FIFTH PERCENTILE					
11.00	79.20	242.00	310.00	275.00	331.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
143.00	67.90	17.39	5.05	1.95	0.72
FIFTIETH PERCENTILE					
258.00	130.00	41.50	15.80	4.96	3.26
SEVENTY FIFTH PERCENTILE					
353.00	358.00	76.70	47.30	16.39	11.80



## 03372300 STEPHENS CREEK NEAR BLOOMINGTON, IN

LOCATION.--Lat 39°10'11", long 86°25'07", in NE¼NW¼ sec.4, T.8 N., R.1 E., Monroe County, Hydrologic Unit 05120208, on downstream side of right pier of bridge on State Highway 46, 0.2 mi downstream from Kerr Creek, 4.0 mi west of Belmont, and 6.1 mi east of Bloomington.

DRAINAGE AREA.--10.9 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 550.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 14.6 ft<sup>3</sup>/s, 18.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,400 ft<sup>3</sup>/s July 13, 1979, gage height, 13.18 ft from rating curve extended above 1,200 ft<sup>3</sup>/s on basis of contracted-opening measurements at gage heights of 11.52 ft and 13.18 ft; no flow at times most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1971	3	2	2		11	7	19	19	5	13	9	7	11	8	13	18	20	27	33	30	26	15	21	10	13	8	6	7				2			
1972	8	1	3	3	8	1	2	11	3	13	11	32	20	21	12	11	19	18	36	33	24	23	13	11	7	4	9	3	4			2			
1973	6		3	2	3	14	3	5	5	4	6	11	8	6	19	13	21	10	19	20	24	26	38	32	19	15	13	11	4	1	4				
1974	30	5	4	1	2	3		1	8	16	11	4	7	6	19	14	21	22	16	20	25	25	31	32	19	17	2	9	4	3	1				
1975								3	4	6	3	10	10	10	14	21	20	32	18	22	15	39	30	35	25	17	14	4	9	2	1	1			
1976	29	15	8	3	1	5	2	9	9	4	5	9	8	7	12	20	25	25	22	27	27	24	19	15	13	6	8	3	5	1					
1977		4	4	2	16	42	14		15	32	16	11	26	17	15	13	17	19	11	16	15	14	11	12	8	8		3	2		1		1		
1978										9	12	16	13	15	16	20	25	58	36	21	19	17	18	21	12	15	13	6	2				1		
1979										10		6	33	19	10	10	25	22	22	28	32	26	28	23	18	14	20	7	4	3	2		3		
1980								1	12	8	17	14	13	13	20	18	18	26	11	33	29	22	19	19	17	15	16	10	6	7	2				
1981									3	14	15	39	33	42	39	23	14	13	9	12	12	21	17	22	10	9	6	7		1	2	1	1		
1982												4	13	41	24	25	32	29	28	27	23	33	24	23	15	6	5	4	5	2	1		1		
1983	27						14	9		17	26	6	7	9	13	7	10	13	20	24	23	29	34	23	16	7	13	5	6	2	3	1	1		
1984		2	3	3	1	7	26	13	11	27	14	10	6	5	27	24	9	12	18	17	19	23	33	25	8	13	3	2	1	3	1				
1985		1	4	1	1	5	7	5	6	20	17	11	8	14	29	27	32	26	24	24	23	21	18	13	7	9	4	1	3	2	1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	103	5479	100.00	12	0.52	229	4422	80.71	24	27.0	235	757	13.82
1	0.01	23	5376	98.12	13	0.72	231	4193	76.53	25	37.0	162	522	9.53
2	0.02	27	5353	97.70	14	1.0	226	3962	72.31	26	52.0	145	360	6.57
3	0.03	16	5326	97.21	15	1.4	254	3736	68.19	27	72.0	91	215	3.92
4	0.04	34	5310	96.92	16	1.9	320	3482	63.55	28	100.0	57	124	2.26
5	0.05	48	5276	96.29	17	2.7	350	3162	57.71	29	140.0	24	67	1.22
6	0.07	90	5228	95.42	18	3.7	325	2812	51.32	30	190.0	27	43	0.78
7	0.10	103	5138	93.78	19	5.2	357	2487	45.39	31	270.0	7	16	0.29
8	0.14	84	5035	91.90	20	7.2	335	2130	38.88	32	370.0	8	9	0.16
9	0.19	162	4951	90.36	21	10.0	357	1795	32.76	33	520.0	1	1	0.02
10	0.27	164	4789	87.41	22	14.0	349	1438	26.25	34				
11	0.37	203	4625	84.41	23	19.0	332	1089	19.88					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.08  
P90 = 0.20  
P75 = 0.82  
P70 = 1.2  
P50 = 4.0  
P25 = 15.0  
P10 = 35.9

## 03372300 STEPHENS CREEK NEAR BLOOMINGTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.00 1	0.00 1	0.00 1	0.02 4	0.06 4	0.07 3	0.22 4	0.30 3	1.60 3
1973	0.03 5	0.03 5	0.07 5	0.08 5	0.23 6	0.49 7	0.89 7	1.80 8	3.40 10
1974	0.00 2	0.00 2	0.00 2	0.00 1	0.00 1	0.01 1	0.05 2	0.36 4	2.30 6
1975	0.12 8	0.14 9	0.15 8	0.20 10	0.24 7	0.65 8	2.60 13	5.30 13	8.50 13
1976	0.13 9	0.13 8	0.19 10	0.47 11	0.60 11	1.60 14	2.40 12	2.90 11	4.70 12
1977	0.00 3	0.00 3	0.00 3	0.00 2	0.00 2	0.01 2	0.03 1	0.11 1	0.24 1
1978	0.07 6	0.08 7	0.09 7	0.13 7	0.30 9	1.50 13	1.30 9	1.90 9	2.10 4
1979	0.19 11	0.19 11	0.19 11	0.20 8	0.29 8	1.30 11	2.10 11	3.00 12	3.30 9
1980	0.56 14	0.58 14	0.62 14	0.70 13	1.00 14	1.50 12	3.70 14	11.00 14	12.00 14
1981	0.13 10	0.15 10	0.16 9	0.20 9	0.32 10	0.42 6	0.52 6	0.98 6	1.30 2
1982	0.26 12	0.26 12	0.30 12	0.54 12	0.71 12	0.92 9	1.10 8	1.70 7	2.20 5
1983	0.51 13	0.51 13	0.55 13	0.81 14	0.87 13	1.30 10	2.00 10	2.50 10	4.10 11
1984	0.00 4	0.00 4	0.00 4	0.00 3	0.04 3	0.09 4	0.10 3	0.16 2	3.10 8
1985	0.07 7	0.07 6	0.08 6	0.11 6	0.12 5	0.16 5	0.50 5	0.54 5	2.50 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	242.00 12	127.00 13	99.00 11	65.00 12	44.00 13	29.00 14	24.00 15	20.00 15	16.00 14
1972	242.00 13	116.00 14	91.00 13	71.00 9	46.00 11	33.00 12	25.00 14	21.00 14	17.00 13
1973	254.00 10	145.00 11	116.00 8	73.00 8	59.00 5	51.00 2	38.00 6	34.00 6	32.00 5
1974	216.00 14	130.00 12	69.00 14	59.00 14	37.00 14	31.00 13	30.00 11	27.00 10	25.00 8
1975	360.00 7	191.00 6	104.00 10	70.00 10	58.00 6	48.00 6	43.00 2	39.00 1	33.00 3
1976	165.00 15	94.00 15	62.00 15	37.00 15	30.00 15	27.00 15	26.00 13	25.00 12	19.00 12
1977	404.00 5	178.00 9	134.00 5	77.00 6	46.00 12	34.00 11	28.00 12	21.00 13	14.00 15
1978	323.00 9	183.00 7	119.00 7	88.00 5	53.00 9	38.00 10	33.00 10	26.00 11	21.00 11
1979	466.00 4	218.00 5	123.00 6	105.00 2	60.00 4	50.00 3	40.00 3	37.00 3	30.00 6
1980	244.00 11	163.00 10	139.00 4	76.00 7	58.00 7	46.00 8	40.00 4	35.00 4	33.00 4
1981	491.00 3	248.00 3	165.00 1	108.00 1	65.00 2	48.00 7	36.00 8	33.00 7	23.00 9
1982	376.00 6	222.00 4	107.00 9	65.00 11	49.00 10	38.00 9	34.00 9	32.00 9	23.00 10
1983	516.00 2	279.00 1	157.00 2	92.00 3	67.00 1	50.00 4	38.00 7	33.00 8	34.00 2
1984	342.00 8	180.00 8	95.00 12	61.00 13	58.00 8	50.00 5	40.00 5	34.00 5	26.00 7
1985	667.00 1	265.00 2	140.00 3	90.00 4	60.00 3	55.00 1	50.00 1	39.00 2	35.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	6.60 2
1973	18.00 11
1974	13.00 5
1975	22.00 13
1976	13.00 6
1977	4.60 1
1978	11.00 4
1979	17.00 9
1980	22.00 14
1981	9.90 3
1982	18.00 10
1983	14.00 7
1984	17.00 8
1985	19.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	9.80 13
1972	9.60 14
1973	18.00 6
1974	15.00 7
1975	19.00 4
1976	10.00 12
1977	7.70 15
1978	12.00 10
1979	21.00 1
1980	19.00 2
1981	12.00 11
1982	13.00 9
1983	18.00 5
1984	14.00 8
1985	19.00 3

## 03372300 STEPHENS CREEK NEAR BLOOMINGTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	5.94	8.84	7.26	11.90	43.30	16.60	5.16	11.80	6.16	2.79	0.18	0.10
1972	0.54	0.54	16.40	8.26	8.26	18.20	46.30	5.62	4.47	1.34	0.25	5.04
1973	3.88	37.70	24.00	19.20	14.00	52.30	47.40	5.73	9.25	3.25	0.38	0.05
1974	0.00	6.50	16.60	24.40	17.80	30.50	23.70	32.40	8.72	0.85	1.24	15.90
1975	3.65	23.10	25.50	32.30	44.20	51.50	23.70	4.65	13.40	1.19	2.99	3.32
1976	4.33	14.70	24.80	23.80	22.10	22.90	5.01	1.77	3.11	0.27	0.01	0.02
1977	0.36	0.74	0.24	0.08	12.80	31.70	27.50	11.10	1.02	1.98	1.56	3.81
1978	2.95	5.07	22.60	4.27	3.68	49.90	18.60	27.50	1.76	3.39	6.76	0.99
1979	2.14	5.07	25.80	31.80	37.80	38.30	34.60	11.80	3.62	48.60	13.30	1.29
1980	1.85	38.20	31.20	12.20	14.30	48.70	36.80	26.80	11.50	1.35	2.92	0.65
1981	0.44	1.42	1.72	0.76	24.10	12.50	30.60	62.30	5.92	0.87	3.84	0.89
1982	1.68	2.83	13.90	39.90	26.80	28.80	23.00	5.94	5.17	9.92	1.84	2.78
1983	1.44	11.10	59.10	11.40	16.60	15.40	41.80	52.40	7.07	0.21	0.11	0.11
1984	5.27	13.70	15.80	2.29	18.00	41.90	56.00	17.90	0.96	1.40	0.27	0.13
1985	2.11	13.90	36.90	13.10	44.90	47.60	27.80	35.60	3.43	0.38	8.13	0.92

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.54	2.83	13.90	4.27	14.00	18.19
FIFTIETH PERCENTILE					
2.11	8.84	22.60	12.20	18.00	31.70
SEVENTY FIFTH PERCENTILE					
3.88	14.70	25.80	24.40	37.80	48.70
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
23.00	5.73	3.11	0.85	0.25	0.11
FIFTIETH PERCENTILE					
27.80	11.80	5.17	1.35	1.56	0.92
SEVENTY FIFTH PERCENTILE					
41.80	32.40	8.72	3.25	3.84	3.32

## 03372500 SALT CREEK NEAR HARRODSBURG, IN

LOCATION.--Lat 39°00'16", long 86°30'31", in NE¼NW¼ sec.34, T.7 N., R.1 W., Monroe County, Hydrologic Unit 05120208, on right bank 0.35 mi downstream from Monroe Lake, 0.9 mi upstream from Clear Creek, 2.2 mi southeast of Harrodsburg, and 25.7 mi upstream from mouth.

DRAINAGE AREA.--432 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1955 to September 1985.

GAGE.--No gage at present time. Datum of gage is 480.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 1, 1960, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph. Prior to Oct. 1, 1960, nonrecording gage at site 0.7 mi upstream at datum 2.41 ft higher.

REMARKS.--Flow regulated by Monroe Lake. Daily discharge computed from relation between discharge, head, and gage openings for Monroe Lake beginning Oct. 1, 1974.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

AVERAGE DISCHARGE.--30 years, 498 ft<sup>3</sup>/s, 15.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,000 ft<sup>3</sup>/s June 25, 1960, gage height, 32.76 ft site and datum then in use; maximum gage height at present site and datum, 35.35 ft May 9, 1961; no flow Sept. 29 to Dec. 2, 1964.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1956								2	4	7	3	9	32	29	19	17	24	19	18	19	27	23	20	24	12	14	15	10	7	12						
1957						2	9	17	17	23	14	8	7	6	8	12	13	19	18	26	34	23	37	17	10	9	4	5	13	6	5	2	1			
1958				6	2	6	1	3	6	5	3	2	4	5	17	8	14	34	33	36	31	30	24	12	16	11	20	15	14	5	2					
1959									4	11	16	24	13	18	20	24	17	22	18	20	31	33	28	20	8	15	9	3	8			2		1		
1960				1	14	9	7		2	3	9	11	16	8	17	7	14	23	30	33	43	35	20	13	12	14	6	8	5	3			2	1		
1961		8	5	12	27	9	9	12	10	9	8	8	15	32	38	11	11	11	15	12	7	10	9	13	12	8	14	9	11	5	1	1	1	1	1	
1962		1	3	8	7	8	5	3	3	6	9	28	15	12	12	12	12	28	29	27	34	22	20	18	7	7	5	7	12	4	1					
1963						5	9	8	10	11	24	13	32	28	29	31	18	33	25	16	14	10	7	6	5	7	7	4	3	3	3	4				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	2922	100.00	12	14.0	143	2410	82.48	24	690.0	90	480	16.43
1	0.40	9	2922	100.00	13	20.0	132	2267	77.58	25	950.0	83	390	13.35
2	0.55	8	2913	99.69	14	27.0	146	2135	73.07	26	1300.0	77	307	10.51
3	0.77	21	2905	99.42	15	37.0	127	1989	68.07	27	1800.0	72	230	7.87
4	1.1	54	2884	98.70	16	52.0	124	1862	63.72	28	2500.0	69	158	5.41
5	1.5	35	2830	96.85	17	71.0	164	1738	59.48	29	3500.0	55	89	3.05
6	2.0	45	2795	95.65	18	99.0	191	1574	53.87	30	4800.0	15	34	1.16
7	2.8	43	2750	94.11	19	140.0	184	1383	47.33	31	6700.0	11	19	0.65
8	3.9	49	2707	92.64	20	190.0	215	1199	41.03	32	9200.0	4	8	0.27
9	5.3	69	2658	90.97	21	260.0	185	984	33.68	33	13000.0	3	4	0.14
10	7.4	83	2589	88.60	22	360.0	176	799	27.34	34	18000.0	1	1	0.03
11	10.0	96	2506	85.76	23	500.0	143	623	21.32					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.3  
P90 = 6.2  
P75 = 24.0  
P70 = 33.2  
P50 = 123.0  
P25 = 415.0  
P10 = 1400.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	3.10 4	3.50 4	4.40 4	5.50 5	7.20 5	14.00 5	64.00 6	57.00 6	106.00 5
1958	1.19 3	1.30 3	1.60 3	1.80 3	3.50 3	8.40 3	9.90 3	21.00 3	184.00 6
1959	24.00 7	25.00 7	28.00 7	35.00 7	43.00 7	116.00 7	125.00 7	217.00 7	417.00 7
1960	5.60 6	6.90 6	7.50 6	8.50 6	17.00 6	30.00 6	31.00 5	35.00 5	70.00 4
1961	0.40 1	0.47 1	0.50 1	0.87 1	1.10 1	1.19 1	1.70 1	3.90 1	21.00 1
1962	0.40 2	0.57 2	0.71 2	0.98 2	1.30 2	2.30 2	3.60 2	6.00 2	24.00 2
1963	4.50 5	4.70 5	5.00 5	5.20 4	6.80 4	9.20 4	18.00 4	25.00 4	49.00 3

## 03372500 SALT CREEK NEAR HARRODSBURG, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	4700.00 8	4530.00 8	3610.00 7	1920.00 8	1840.00 7	1340.00 6	1250.00 5	1120.00 5	858.00 5
1957	9360.00 4	7510.00 4	5430.00 4	3130.00 6	1890.00 6	1710.00 4	1310.00 4	1130.00 4	983.00 3
1958	7440.00 6	6900.00 6	4960.00 6	3830.00 3	2400.00 4	1490.00 5	1370.00 3	1230.00 2	1010.00 2
1959	15900.00 3	10700.00 3	6060.00 3	3410.00 4	2730.00 3	1950.00 2	1480.00 2	1210.00 3	934.00 4
1960	17200.00 2	12600.00 2	6400.00 2	3370.00 5	1930.00 5	1150.00 8	844.00 8	801.00 8	757.00 6
1961	18400.00 1	16000.00 1	9950.00 1	5190.00 1	3240.00 1	2170.00 1	2010.00 1	1590.00 1	1070.00 1
1962	5140.00 7	4650.00 7	3400.00 8	2130.00 7	1700.00 8	1210.00 7	1100.00 7	886.00 7	656.00 8
1963	8800.00 5	7110.00 5	5060.00 5	4050.00 2	3020.00 2	1740.00 3	1240.00 6	954.00 6	658.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	438.00 3
1958	672.00 6
1959	869.00 7
1960	309.00 1
1961	448.00 4
1962	593.00 5
1963	374.00 2

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	507.00 5
1957	545.00 3
1958	778.00 1
1959	527.00 4
1960	443.00 6
1961	545.00 2
1962	381.00 7
1963	341.00 8

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	*	*	*	*	*	*	*	*	77.10	113.00	4.14	14.20
1956	75.80	528.00	118.00	98.50	1843.0	811.00	1060.0	767.00	610.00	75.30	61.50	129.00
1957	13.40	61.90	758.00	621.00	635.00	483.00	1776.0	1600.0	413.00	167.00	13.60	13.70
1958	9.41	510.00	2323.0	500.00	157.00	530.00	625.00	1682.0	849.00	1402.0	491.00	166.00
1959	69.80	411.00	387.00	1833.0	1692.0	853.00	406.00	362.00	291.00	18.80	53.40	28.80
1960	38.10	144.00	393.00	508.00	968.00	530.00	304.00	385.00	1797.0	281.00	14.80	1.59
1961	1.10	2.80	52.20	60.20	434.00	2056.0	953.00	2633.0	260.00	25.80	10.50	4.44
1962	2.81	8.09	193.00	1031.0	756.00	1222.0	431.00	260.00	132.00	432.00	46.90	60.80
1963	6.82	30.10	25.80	138.00	56.90	2814.0	542.00	264.00	86.70	48.20	29.00	4.17

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1967				5	168		2	3	4		7	2	15	4	44	1	2	3	2	5	1	1	7	1	2	7	6	7	3	10	33	11	3	6		
1968			3	26	136					12	1	2	1	2	14	20	3	2	2	4	2	3	12	7	2	10	4	4	4	14	48	21	2	2	3	
1969				81	69		1	9	2	2	9	3	1	2	16	29	4	1	5	7	4	1	11	4	12	8	4	5	1	21	20	8	1	24		
1970				36	127		1	1	3	12		3	1	7	3	33	5	4	8	10	6	2	8	5	10	6	5	14	2	21	24	8				
1971				1	45	144		1	1	12	4	2	2	1	5	15	23	4	7	6	12	20		4	1	10	1	2	3	11	6	2	7	13		
1972					93	98		1		3	8	2		8	2	4	12	3	17	6	6	13	5	5	20	7		4	2	2	5	13	17	10		
1973			1		104		1	8	2	5				3	1	6	39	23	3	4	8	3	3	13	4	8	17	7	17	1	5	13	34	30	1	1
1974					1	165							1	2	1	6	39	6	3	4	12	5	8	10	3	15	4	16	3	2	15	40	4			
1975					1	127		4	1				1		2	3	23	12	2	5	14	7	6	10	10	16	17	10	5	1	17	25	40	6		
1976					2	241				1		2			1	15	2	3	4	18	1	2	9	4	11	9	2	1	2	7	16	13				
1977					13	275							2		2	9	1			3	3	1	4	5	4	4	3	4	10	9	5	8				
1978						1	145	7		21		4	19		1	38	4	4	13	7	3	3	3	3	3	2	18	8	1	7	14	27	9			
1979					12		76	1		12	24				2	8	26	2	13	1	4	7	4	8	4	7	10	5	6	8	37	45	43			
1980					48	86		2	4	6				4	2	4	39	1	1	3	3	6	4	7	3	5	6	9	11	3	31	28	50			
1981					45	108	17		3	11	40		3		6	58	3	2	2	3	3	6	11	7	2	3	2	5	1	3	16	5				
1982		23	22	38	5	42	44		1	6		1	4	3	14	31	2		3	2	1	12	3	4	3	5	15	4	2	43	26	6				
1983				1		14	37		1		1	5	1		32	10	2	1	18	2	7	9	1	7	8	16	4	4	28	29	27					
1984					120	69	20	1		1		1	1	2	8	17	2	1	6	1	1	4	4	3	4	11	8	7	3	40	8	22	1			
1985					59	76	1	2	1	15		1	1	3		67	1	4	1	13	1	1	2	6	7	5	1	4	6	10	33	35	9			

## 03372500 SALT CREEK NEAR HARRODSBURG, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6940	100.00	12	130.0	67	3456	49.80	24	720.0	135	1860	26.80
1	28.0	23	6940	100.00	13	150.0	39	3389	48.83	25	820.0	133	1725	24.86
2	32.0	23	6917	99.67	14	170.0	154	3350	48.27	26	950.0	137	1592	22.94
3	37.0	43	6894	99.34	15	200.0	551	3196	46.05	27	1100.0	114	1455	20.97
4	43.0	579	6851	98.72	16	230.0	90	2645	38.11	28	1300.0	67	1341	19.32
5	49.0	1888	6272	90.37	17	270.0	72	2555	36.82	29	1400.0	329	1274	18.36
6	57.0	626	4384	63.17	18	310.0	76	2483	35.78	30	1700.0	438	945	13.62
7	65.0	36	3758	54.15	19	350.0	150	2407	34.68	31	1900.0	386	507	7.31
8	75.0	37	3722	53.63	20	410.0	89	2257	32.52	32	2200.0	84	121	1.74
9	86.0	115	3685	53.10	21	470.0	73	2168	31.24	33	2500.0	33	37	0.53
10	100.0	88	3570	51.44	22	540.0	140	2095	30.19	34	2900.0	4	4	0.06
11	110.0	26	3482	50.17	23	620.0	95	1955	28.17					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	45.7
P90 =	49.1
P75 =	53.5
P70 =	55.0
P50 =	119.0
P25 =	813.0
P10 =	1810.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	45.00 8	48.00 10	48.00 9	48.00 9	49.00 9	50.00 12	50.00 9	50.00 4	120.00 10
1969	38.00 3	41.00 2	44.00 2	46.00 5	47.00 5	49.00 10	49.00 8	56.00 12	163.00 14
1970	46.00 9	46.00 5	46.00 5	47.00 6	47.00 6	48.00 7	48.00 3	80.00 15	201.00 15
1971	49.00 15	49.00 11	49.00 10	49.00 10	49.00 10	49.00 8	49.00 4	50.00 5	50.00 2
1972	42.00 5	45.00 3	45.00 3	45.00 3	45.00 3	46.00 3	90.00 16	84.00 16	93.00 7
1973	46.00 10	46.00 6	46.00 6	46.00 4	47.00 4	48.00 4	49.00 5	49.00 2	117.00 8
1974	32.00 2	49.00 12	49.00 11	49.00 11	49.00 11	49.00 9	49.00 6	50.00 6	144.00 12
1975	47.00 11	50.00 13	50.00 13	51.00 13	51.00 13	51.00 13	52.00 11	52.00 9	239.00 16
1976	43.00 6	47.00 7	49.00 12	49.00 12	49.00 12	50.00 11	51.00 10	51.00 7	74.00 6
1977	47.00 12	51.00 15	52.00 14	52.00 14	53.00 15	53.00 14	53.00 12	53.00 10	54.00 3
1978	60.00 18	60.00 18	60.00 18	60.00 18	60.00 17	61.00 17	61.00 14	61.00 13	61.00 4
1979	50.00 16	57.00 17	59.00 17	59.00 17	60.00 18	61.00 18	113.00 17	136.00 17	139.00 11
1980	47.00 13	47.00 8	47.00 7	47.00 7	48.00 7	48.00 5	259.00 18	506.00 18	400.00 17
1981	48.00 14	48.00 9	48.00 8	48.00 8	48.00 8	48.00 6	49.00 7	49.00 3	49.00 1
1982	28.00 1	28.00 1	28.00 1	28.00 1	31.00 1	34.00 1	36.00 1	51.00 8	149.00 13
1983	41.00 4	50.00 14	54.00 16	54.00 16	56.00 16	60.00 16	61.00 15	73.00 14	118.00 9
1984	51.00 17	52.00 16	52.00 15	52.00 15	52.00 14	53.00 15	53.00 13	53.00 11	403.00 18
1985	45.00 7	45.00 4	45.00 4	45.00 2	45.00 2	45.00 2	45.00 2	45.00 1	66.00 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	2660.00 4	2610.00 4	2570.00 3	1890.00 14	1670.00 13	1130.00 17	1180.00 13	965.00 13	916.00 12
1968	2930.00 2	2920.00 1	2670.00 2	1940.00 12	1860.00 10	1410.00 10	1280.00 9	1190.00 8	998.00 6
1969	2840.00 3	2830.00 2	2800.00 1	2770.00 1	2560.00 1	1580.00 7	1430.00 7	1270.00 5	993.00 7
1970	1940.00 19	1940.00 18	1930.00 15	1900.00 13	1390.00 16	1220.00 14	1050.00 15	1040.00 11	853.00 14
1971	2350.00 7	2340.00 6	2330.00 6	2260.00 3	1680.00 12	1180.00 15	955.00 17	778.00 17	617.00 17
1972	2360.00 6	2340.00 7	2320.00 7	2210.00 5	2100.00 4	1400.00 11	1250.00 10	1040.00 12	753.00 15
1973	3100.00 1	2740.00 3	2350.00 5	2260.00 4	2200.00 2	1740.00 3	1560.00 1	1300.00 3	1180.00 4
1974	1980.00 18	1970.00 15	1920.00 16	1800.00 18	1290.00 17	1240.00 13	1190.00 12	1080.00 10	923.00 11
1975	2230.00 9	2230.00 8	2210.00 8	2190.00 6	1920.00 7	1760.00 1	1480.00 4	1300.00 4	1220.00 3
1976	2020.00 15	1960.00 16	1920.00 17	1830.00 15	1260.00 19	1140.00 16	1060.00 14	916.00 15	620.00 16
1977	2020.00 16	2010.00 14	1980.00 14	1810.00 17	1270.00 18	1070.00 18	882.00 18	676.00 18	464.00 19
1978	2440.00 5	2430.00 5	2410.00 4	2270.00 2	2140.00 3	1570.00 8	1230.00 11	952.00 14	877.00 13
1979	2180.00 11	2170.00 11	2160.00 10	2100.00 7	1960.00 6	1610.00 6	1520.00 2	1220.00 7	1230.00 2
1980	2130.00 13	2130.00 13	2110.00 12	2070.00 9	2030.00 5	1760.00 2	1480.00 3	1360.00 1	1250.00 1
1981	1990.00 17	1900.00 19	1890.00 18	1820.00 16	1450.00 15	973.00 19	722.00 19	666.00 19	507.00 18
1982	2100.00 14	1940.00 17	1870.00 19	1720.00 19	1630.00 14	1620.00 5	1450.00 5	1230.00 6	941.00 9
1983	2170.00 12	2160.00 12	2060.00 13	1950.00 11	1860.00 8	1680.00 4	1310.00 8	1110.00 9	988.00 8
1984	2200.00 10	2190.00 10	2120.00 11	2070.00 10	1860.00 9	1360.00 12	982.00 16	897.00 16	935.00 10
1985	2240.00 8	2230.00 9	2180.00 9	2100.00 8	1700.00 11	1450.00 9	1450.00 6	1310.00 2	1140.00 5

03372500 SALT CREEK NEAR HARRODSBURG, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	532.00	8
1969	682.00	15
1970	525.00	7
1971	471.00	6
1972	248.00	2
1973	542.00	9
1974	719.00	17
1975	583.00	11
1976	632.00	14
1977	116.00	1
1978	358.00	4
1979	693.00	16
1980	917.00	18
1981	319.00	3
1982	435.00	5
1983	576.00	10
1984	621.00	13
1985	589.00	12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	486.00	13
1968	619.00	6
1969	592.00	8
1970	464.00	14
1971	345.00	16
1972	413.00	15
1973	728.00	3
1974	498.00	12
1975	695.00	4
1976	337.00	17
1977	262.00	19
1978	503.00	11
1979	823.00	1
1980	730.00	2
1981	283.00	18
1982	508.00	10
1983	620.00	5
1984	510.00	9
1985	614.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	51.40	50.70	841.00	433.00	538.00	570.00	1605.0	591.00	1033.0	52.00	51.10	51.00
1968	50.90	48.80	623.00	603.00	1022.0	699.00	1214.0	747.00	1645.0	613.00	158.00	47.80
1969	50.80	51.10	260.00	631.00	1769.0	1114.0	932.00	1291.0	131.00	481.00	418.00	47.80
1970	48.10	125.00	686.00	444.00	888.00	815.00	931.00	1317.0	187.00	49.50	51.30	51.10
1971	49.60	49.00	147.00	492.00	700.00	1628.0	168.00	445.00	202.00	168.00	53.00	47.10
1972	194.00	45.40	47.20	361.00	308.00	927.00	601.00	2064.0	230.00	47.70	50.00	50.00
1973	50.60	364.00	843.00	1318.0	586.00	271.00	1178.0	2031.0	1373.0	556.00	95.80	50.20
1974	49.10	49.20	151.00	679.00	1307.0	1155.0	1131.0	412.00	929.00	92.20	50.90	52.00
1975	53.00	441.00	1153.0	994.00	795.00	916.00	1583.0	1871.0	375.00	49.60	50.90	52.30
1976	52.30	53.60	548.00	1122.0	886.00	943.00	170.00	54.00	54.00	53.20	52.80	52.50
1977	57.70	57.10	57.00	57.00	56.70	661.00	1185.0	756.00	60.40	61.00	60.70	61.00
1978	61.00	63.90	779.00	745.00	168.00	278.00	2125.0	1033.0	296.00	59.70	215.00	205.00
1979	61.00	199.00	954.00	1418.0	519.00	1218.0	1113.0	1954.0	335.00	191.00	935.00	927.00
1980	47.60	112.00	1315.0	2007.0	854.00	1168.0	1222.0	868.00	941.00	117.00	50.00	49.90
1981	49.00	48.80	49.00	48.00	132.00	263.00	514.00	218.00	828.00	1065.0	81.30	94.60
1982	31.50	37.10	79.30	573.00	486.00	1206.0	1599.0	1491.0	266.00	152.00	109.00	64.00
1983	63.50	56.20	942.00	1448.0	181.00	486.00	630.00	1076.0	1658.0	748.00	53.50	53.20
1984	52.60	266.00	1364.0	676.00	797.00	94.40	841.00	1813.0	68.00	46.00	45.60	45.00
1985	45.00	159.00	323.00	1488.0	767.00	1405.0	1329.0	1522.0	68.80	51.70	143.00	54.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
49.00	49.00	147.00	444.00	308.00	486.00
FIFTIETH PERCENTILE					
50.90	56.20	623.00	676.00	700.00	916.00
SEVENTY FIFTH PERCENTILE					
57.70	159.00	942.00	1318.00	886.00	1168.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
630.00	591.00	131.00	51.70	50.90	49.90
FIFTIETH PERCENTILE					
1131.00	1076.00	296.00	92.20	53.50	52.00
SEVENTY FIFTH PERCENTILE					
1329.00	1813.00	941.00	481.00	143.00	61.00

03372700 CLEAR CREEK NEAR HARRODSBURG, IN

LOCATION.--Lat 39°02'03", long 86°34'01", in NE¼NW¼ sec.19, T.7 N., R.1 W., Monroe County, Hydrologic Unit 05120208, on left bank at downstream side of county road bridge, 1.9 mi northwest of Harrodsburg, 3.9 mi upstream from Little Clear Creek, and 5.1 mi upstream from mouth.

DRAINAGE AREA.--55.2 mi<sup>2</sup>, of which 6.4 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--September 1960 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 517.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by effluent from the sewage treatment plant of the city of Bloomington and possibly by pumpage from several rock quarries.

AVERAGE DISCHARGE.--11 years, 72.0 ft<sup>3</sup>/s, 17.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,280 ft<sup>3</sup>/s May 24, 1968, gage height, 14.80 ft; minimum daily, 5.4 ft<sup>3</sup>/s Nov. 27, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1960 reached a stage of 16.47 ft, from floodmarks (discharge, 10,200 ft<sup>3</sup>/s on basis of contracted-opening measurement).

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1961			6	55	23	46	53	18	12	14	14	9	17	13	8	10	14	8	13	9	5	5	4	2	2				2		1		1			1
1962			1	16	26	35	28	34	22	25	36	21	19	12	23	11	20	7	8	5	5	1	2	1	3	1	1	1	1							
1963			2	16	27	37	100	45	22	24	23	14	5	5	6	4	11	4	5	2	3	2	3				3		1			1				
1964		2	10	71	44	35	58	31	14	11	11	10	5	8	10	12	11	4	2	4	2	2	3	1	2				1		1				1	
1965		2	6	20	47	27	29	35	21	18	19	23	26	19	16	6	15	4	12	4	8	2	1	3				1			1					
1966				2	12	35	88	29	36	29	17	15	25	16	13	9	12	3	7	6	5	1	1	1	2					1						
1967					16	73	30	21	28	16	28	24	18	22	12	22	10	12	8	4	8	1	6	2	1				2	1						
1968				1	8	23	22	42	44	36	22	23	17	24	12	26	10	14	12	10	4	3	1	4	2	4						1			1	
1969				2	8	55	26	12	32	27	31	30	26	23	12	18	9	11	13	5	6	4	4	1	4					1	4		1			
1970				4	27	23	27	20	36	31	21	32	34	26	17	21	6	18	6	6	2	3	1	1			1		1		1					
1971				6	9	16	31	20	27	47	41	27	35	21	17	9	17	9	12	5	4	3	3	1	2			1	1	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4017	100.00	12	47.0	241	1390	34.60	24	510.0	19	67	1.67
1	5.4	4	4017	100.00	13	58.0	189	1149	28.60	25	620.0	8	48	1.19
2	6.6	25	4013	99.90	14	70.0	188	960	23.90	26	750.0	11	40	1.00
3	8.0	186	3988	99.28	15	86.0	114	772	19.22	27	920.0	5	29	0.72
4	9.8	195	3802	94.65	16	100.0	187	658	16.38	28	1100.0	8	24	0.60
5	12.0	290	3607	89.79	17	130.0	74	471	11.73	29	1400.0	8	16	0.40
6	14.0	561	3317	82.57	18	150.0	114	397	9.88	30	1700.0	2	8	0.20
7	18.0	317	2756	68.61	19	190.0	74	283	7.05	31	2000.0	3	6	0.15
8	22.0	249	2439	60.72	20	230.0	57	209	5.20	32	2500.0	0	3	0.07
9	26.0	308	2190	54.52	21	280.0	36	152	3.78	33	3000.0	2	3	0.07
10	32.0	271	1882	46.85	22	340.0	28	116	2.89	34	3700.0	1	1	0.02
11	39.0	221	1611	40.10	23	420.0	21	88	2.19					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.7  
P90 = 11.9  
P75 = 16.2  
P70 = 17.6  
P50 = 29.5  
P25 = 67.2  
P10 = 149.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1962	7.30 4	7.80 4	8.10 3	8.50 3	8.80 1	9.70 2	11.00 3	14.00 3	18.00 3
1963	10.00 7	10.00 5	11.00 6	12.00 5	13.00 5	15.00 4	16.00 4	17.00 4	20.00 4
1964	7.00 3	7.20 3	7.60 1	7.90 1	9.20 2	9.20 1	9.60 1	9.60 1	12.00 1
1965	5.40 1	6.70 1	7.70 2	8.40 2	9.90 3	10.00 3	10.00 2	11.00 2	16.00 2
1966	6.50 2	7.20 2	9.40 4	12.00 6	14.00 6	16.00 5	20.00 5	25.00 6	30.00 6
1967	9.50 5	10.00 6	11.00 5	11.00 4	13.00 4	18.00 6	20.00 6	20.00 5	25.00 5
1968	11.00 8	12.00 9	12.00 7	13.00 7	16.00 8	20.00 8	28.00 10	32.00 9	35.00 7
1969	14.00 10	14.00 10	14.00 10	15.00 10	16.00 9	20.00 9	21.00 7	29.00 8	39.00 9
1970	10.00 6	11.00 7	12.00 8	14.00 9	17.00 10	21.00 10	27.00 9	50.00 10	55.00 10
1971	11.00 9	12.00 8	12.00 9	13.00 8	15.00 7	18.00 7	24.00 8	26.00 7	36.00 8



## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1961	3860.00 1	2520.00 1	1410.00 1	725.00 1	428.00 1	294.00 1	263.00 1	215.00 1	149.00 3
1962	1180.00 10	674.00 9	415.00 10	283.00 9	244.00 8	171.00 6	157.00 5	133.00 6	101.00 7
1963	2230.00 4	1150.00 6	588.00 6	471.00 5	356.00 4	206.00 5	150.00 6	118.00 9	86.00 10
1964	3650.00 2	1870.00 2	941.00 3	539.00 4	358.00 3	241.00 3	170.00 4	134.00 4	98.00 8
1965	1500.00 7	920.00 7	514.00 8	281.00 10	217.00 10	146.00 10	137.00 9	118.00 10	87.00 9
1966	1160.00 11	637.00 11	364.00 11	216.00 11	155.00 11	108.00 11	101.00 11	99.00 11	79.00 11
1967	1450.00 8	1250.00 5	783.00 5	427.00 6	256.00 6	157.00 9	136.00 10	133.00 5	131.00 4
1968	3430.00 3	1660.00 3	988.00 2	548.00 3	341.00 5	227.00 4	197.00 3	186.00 3	165.00 1
1969	2110.00 5	1490.00 4	860.00 4	631.00 2	408.00 2	277.00 2	216.00 2	196.00 2	156.00 2
1970	1860.00 6	881.00 8	539.00 7	338.00 7	220.00 9	160.00 8	145.00 8	131.00 7	121.00 5
1971	1330.00 9	658.00 10	490.00 9	322.00 8	245.00 7	170.00 7	149.00 7	126.00 8	103.00 6

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1962	93.00	9
1963	57.00	4
1964	45.00	1
1965	55.00	3
1966	51.00	2
1967	75.00	5
1968	84.00	6
1969	113.00	10
1970	85.00	8
1971	84.00	7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1961	82.00	3
1962	65.00	7
1963	51.00	10
1964	55.00	9
1965	57.00	8
1966	50.00	11
1967	81.00	4
1968	102.00	2
1969	104.00	1
1970	76.00	5
1971	68.00	6

[illegible]

## WABASH RIVER BASIN

03372700 CLEAR CREEK NEAR HARRODSBURG, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
10.50	14.20	20.80	24.80	67.30	95.80
FIFTIETH PERCENTILE					
17.60	19.10	55.80	59.70	126.00	104.00
SEVENTY FIFTH PERCENTILE					
32.60	56.40	158.00	90.40	171.00	257.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
67.50	40.00	24.80	22.19	18.39	9.93
FIFTIETH PERCENTILE					
109.00	50.50	30.60	32.40	22.10	20.60
SEVENTY FIFTH PERCENTILE					
168.00	171.00	56.30	51.10	30.20	27.60

## 03373000 SALT CREEK NEAR PEERLESS, IN

LOCATION.--Lat 38°56'36", long 86°30'36", in SE¼NW¼ sec.22, T.6 N., R.1 W., Lawrence County, Hydrologic Unit 05120208, on downstream side near center of county road bridge, 3,200 ft downstream from Little Salt Creek, 1.5 mi north of Peerless, 1.5 mi downstream from Monroe Reservoir, and 18.6 mi from mouth.

DRAINAGE AREA.--573 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1939 to September 1950, February 1957 to September 1971 (discontinued).

GAGE.--Nonrecording gage and concrete control. Datum of gage is 476.02 ft above National Geodetic Vertical Datum of 1929. Feb. 1-10, 1939, nonrecording gage, Feb. 11, 1939, to Sept. 30, 1950, water-stage recorder, and Feb. 15, 1957, to Oct. 16, 1968, nonrecording gage at site 200 ft downstream at same datum.

REMARKS.--Stage-discharge relation affected at times by backwater from East Fork White River or return flow from overbank storage. Flow regulated by Monroe Reservoir.

AVERAGE DISCHARGE.--25 years, 647 ft<sup>3</sup>/s, 15.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,100 ft<sup>3</sup>/s May 10, 1961, gage height, 35.33 ft, from graph based on gage readings; minimum daily, 0.8 ft<sup>3</sup>/s Aug. 16-18, 1940.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 34.3 ft (information by U.S. Army Corps of Engineers).

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1940	22	27	13	19	36	17	25	13	7	9	12	21	8	10	14	6	12	18	18	10	10	6	8	6	2	4	5	2	2	1	2	1			
1941	3	15	6	18	9	12	16	16	13	14	14	18	23	44	40	22	19	21	11	11	5	4	3	3			1	1		3					
1942					1	4	6	9	5	2	5	19	27	18	23	27	35	29	23	18	26	16	16	16	12	7	5	8	5	3					
1943			7	10	17	7	11	16	15	10	7	3	10	15	16	25	18	20	24	33	15	15	13	14	8	6	8	4	11	3			4		
1944		5	8	14	12	14	34	47	16	13	40	17	13	11	11	7	8	9	6	13	12	10	11	7	5	7	3	5	5	1	2				
1945		3	4	3	5	10	23	16	17	24	21	17	24	12	22	11	7	11	22	16	17	9	6	4	8	7	9	22	8	4	2	1			
1946			4	7	6	5	4	12	7	12	10	18	14	14	11	19	23	22	25	17	31	30	19	8	8	15	9	15							
1947		2	4	9	4	5	13	11	4	10	22	18	36	19	12	17	18	15	24	28	12	17	7	10	13	15	16	2	2						
1948				4	15	25	22	19	25	35	31	26	21	12	5	9	12	8	25	20	15	9	4	10	4	3	6	1							
1949					12	3	2	9	10	14	20	15	25	16	18	17	27	31	22	22	11	24	7	9	9	11	17	9	2	1	1	1			
1950							15	10	5	7	18	14	15	20	21	21	14	11	19	8	24	23	25	16	13	8	16	21	15	4		2			
1958							1	12	4	3	7	9	9	9	9	12	12	26	37	31	36	26	20	19	11	12	21	17	13	6	3				
1959							8	12	15	14	13	14	29	16	15	14	16	22	24	25	31	30	20	9	15	9	1	9	1	1	2				
1960							19	13	8	10	10	17	19	9	18	18	27	41	38	28	20	15	18	12	8	9	5	1	1		2				
1961							14	18	33	24	23	36	36	11	11	18	17	11	15	11	8	16	11	7	13	13	9	4		2	1	2	1		
1962							7	13	19	29	24	14	15	13	13	21	17	34	38	18	25	16	11	5	8	8	10	7							
1963							1	12	21	29	43	25	38	26	22	22	24	17	18	10	11	7	7	7	7	4	3	7	3	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	6209	100.00	12	23.0	308	4795	77.23	24	930.0	232	1033	16.64
1	0.80	25	6209	100.00	13	32.0	318	4487	72.27	25	1300.0	124	801	12.90
2	1.1	47	6184	99.60	14	43.0	356	4169	67.14	26	1700.0	146	677	10.90
3	1.5	37	6137	98.84	15	59.0	316	3813	61.41	27	2300.0	142	531	8.55
4	2.0	71	6100	98.24	16	80.0	279	3497	56.32	28	3200.0	127	389	6.27
5	2.7	89	6029	97.10	17	110.0	283	3218	51.83	29	4300.0	164	262	4.22
6	3.7	78	5940	95.67	18	150.0	311	2935	47.27	30	5900.0	54	98	1.58
7	5.0	139	5862	94.41	19	200.0	345	2624	42.26	31	8000.0	23	44	0.71
8	6.9	237	5723	92.17	20	270.0	369	2279	36.70	32	11000.0	13	21	0.34
9	9.3	203	5486	88.36	21	370.0	308	1910	30.76	33	15000.0	6	8	0.13
10	13.0	215	5283	85.09	22	500.0	314	1602	25.80	34	20000.0	2	2	0.03
11	17.0	273	5068	81.62	23	680.0	255	1288	20.74					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.4  
P90 = 8.3  
P75 = 27.0  
P70 = 36.9  
P50 = 126.0  
P25 = 529.0  
P10 = 1930.0

## 03373000 SALT CREEK NEAR PEERLESS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1940	0.90 2	0.90 2	0.94 2	1.00 2	1.90 2	2.90 2	7.50 3	6.30 2	10.00 1
1941	0.80 1	0.80 1	0.87 1	0.96 1	1.30 1	2.30 1	2.50 1	3.40 1	10.00 2
1942	1.80 6	1.90 6	2.10 6	2.30 5	6.90 7	14.00 9	28.00 11	38.00 11	101.00 12
1943	1.50 5	1.70 5	1.80 4	2.20 4	3.10 4	6.00 4	12.00 4	18.00 5	122.00 13
1944	1.19 3	1.30 3	1.70 3	2.00 3	3.00 3	5.20 3	5.90 2	7.70 3	14.00 3
1945	1.30 4	1.60 4	2.10 5	2.90 6	3.70 5	8.10 6	13.00 5	22.00 8	22.00 4
1946	6.70 11	6.80 11	7.50 11	9.10 12	15.00 13	74.00 15	101.00 15	352.00 17	545.00 16
1947	2.00 7	2.10 7	2.50 7	3.30 7	4.40 6	6.50 5	18.00 9	23.00 9	59.00 6
1948	4.60 8	4.90 8	5.00 8	5.10 8	7.50 8	11.00 7	15.00 7	21.00 6	60.00 7
1949	5.60 10	5.70 9	5.90 9	6.10 9	7.60 9	26.00 13	31.00 12	53.00 14	94.00 10
1950	12.00 15	13.00 15	18.00 16	29.00 16	49.00 16	117.00 16	152.00 16	182.00 15	205.00 14
1958	5.40 9	6.20 10	6.80 10	7.20 10	9.50 11	21.00 11	22.00 10	31.00 10	271.00 15
1959	25.00 17	27.00 17	33.00 17	43.00 17	54.00 17	155.00 17	162.00 17	277.00 16	564.00 17
1960	7.20 12	7.60 12	8.60 14	9.50 13	22.00 15	41.00 14	37.00 13	49.00 12	95.00 11
1961	7.20 13	7.60 13	8.00 12	8.40 11	8.90 10	12.00 8	13.00 6	16.00 4	40.00 5
1962	7.60 14	8.30 14	8.60 13	11.00 14	12.00 12	15.00 10	17.00 8	22.00 7	61.00 8
1963	14.00 16	15.00 16	16.00 15	17.00 15	17.00 14	22.00 12	38.00 14	49.00 13	87.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1940	11400.00 8	10100.00 8	7350.00 7	4540.00 7	2830.00 10	1550.00 14	1180.00 15	942.00 16	628.00 16
1941	4550.00 17	4440.00 17	2810.00 17	1400.00 17	726.00 17	477.00 17	364.00 17	289.00 17	245.00 17
1942	7640.00 13	6970.00 12	5320.00 13	2810.00 15	1830.00 15	1760.00 11	1480.00 11	1240.00 11	936.00 10
1943	14100.00 5	13300.00 4	10000.00 4	6060.00 5	3360.00 8	2260.00 7	2170.00 6	1790.00 6	1310.00 7
1944	10800.00 9	8940.00 9	6430.00 9	4150.00 10	2700.00 11	1870.00 10	1470.00 12	1120.00 13	747.00 14
1945	16000.00 4	13200.00 5	10000.00 5	7010.00 3	4810.00 3	3630.00 3	2700.00 3	2580.00 3	1820.00 3
1946	5200.00 16	5130.00 16	4130.00 16	2490.00 16	1830.00 16	1510.00 15	1440.00 13	1320.00 9	1200.00 9
1947	9800.00 10	8380.00 11	6230.00 11	3880.00 11	3390.00 7	3100.00 4	2450.00 5	1890.00 5	1570.00 4
1948	5970.00 14	5810.00 14	4770.00 14	2840.00 14	2410.00 12	1590.00 13	1280.00 14	1040.00 14	747.00 15
1949	20000.00 2	16500.00 2	10400.00 2	6200.00 4	5680.00 2	3700.00 2	3130.00 2	2700.00 2	1950.00 2
1950	17600.00 3	14600.00 3	10300.00 3	8310.00 1	5860.00 1	4470.00 1	3510.00 1	3220.00 1	2400.00 1
1958	9200.00 11	8430.00 10	6420.00 10	5000.00 6	3170.00 9	2020.00 9	1780.00 8	1620.00 7	1340.00 6
1959	12700.00 7	11200.00 6	7840.00 6	4530.00 8	3650.00 5	2580.00 6	1960.00 7	1600.00 8	1230.00 8
1960	13600.00 6	10900.00 7	6480.00 8	3570.00 12	2180.00 14	1320.00 16	991.00 16	959.00 15	925.00 11
1961	24900.00 1	20000.00 1	13600.00 1	7130.00 2	4420.00 4	2820.00 5	2600.00 4	2090.00 4	1410.00 5
1962	5500.00 15	5230.00 15	4330.00 15	2900.00 13	2310.00 13	1670.00 12	1520.00 9	1240.00 10	919.00 12
1963	8020.00 12	6720.00 13	5580.00 12	4200.00 9	3460.00 6	2060.00 8	1520.00 10	1170.00 12	823.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1940	370.00 2
1941	301.00 1
1942	425.00 4
1943	618.00 9
1944	427.00 5
1945	708.00 10
1946	1070.00 14
1947	427.00 6
1948	818.00 11
1949	1130.00 15
1950	1160.00 17
1958	923.00 13
1959	1150.00 16
1960	403.00 3
1961	539.00 8
1962	843.00 12
1963	467.00 7

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1940	317.00 16
1941	137.00 17
1942	549.00 11
1943	698.00 8
1944	382.00 15
1945	993.00 4
1946	728.00 7
1947	842.00 5
1948	395.00 14
1949	1070.00 2
1950	1340.00 1
1958	1040.00 3
1959	693.00 9
1960	554.00 10
1961	728.00 6
1962	538.00 12
1963	435.00 13

## 03373000 SALT CREEK NEAR PEERLESS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1939	*	*	*	*	*	*	2811.0	186.00	623.00	152.00	38.70	2.57
1940	6.14	13.80	3.16	10.40	307.00	347.00	2529.0	516.00	92.80	15.60	1.66	3.97
1941	1.87	11.20	119.00	148.00	145.00	56.90	314.00	50.90	726.00	18.60	10.30	58.60
1942	70.50	359.00	361.00	308.00	1545.0	1383.0	1548.0	470.00	383.00	212.00	34.10	13.10
1943	3.14	232.00	405.00	233.00	786.00	3107.0	859.00	2284.0	296.00	80.60	38.80	13.30
1944	3.56	7.82	7.67	38.20	390.00	1088.0	2638.0	322.00	46.10	5.35	21.40	56.00
1945	6.99	14.80	46.80	119.00	896.00	4344.0	2275.0	728.00	2569.0	91.60	128.00	741.00
1946	461.00	1340.0	1175.0	655.00	1710.0	1164.0	221.00	1780.0	204.00	28.60	50.30	5.66
1947	7.49	120.00	428.00	1316.0	468.00	464.00	2524.0	2574.0	1918.0	169.00	102.00	18.90
1948	8.34	18.40	40.00	501.00	684.00	1295.0	1630.0	341.00	46.80	113.00	44.50	38.70
1949	12.90	771.00	1330.0	5465.0	1549.0	2188.0	398.00	208.00	382.00	93.10	302.00	84.60
1950	772.00	76.10	1278.0	5670.0	3169.0	1534.0	1642.0	1174.0	355.00	30.30	70.70	428.00
1957	*	*	*	*	*	585.00	2465.0	2143.0	595.00	241.00	22.40	31.70
1958	18.00	740.00	3069.0	726.00	242.00	718.00	815.00	2194.0	1074.0	1916.0	684.00	218.00
1959	92.50	507.00	526.00	2456.0	2247.0	1097.0	519.00	464.00	388.00	25.00	57.60	46.20
1960	66.00	202.00	530.00	694.00	1205.0	670.00	416.00	502.00	1966.0	414.00	24.90	9.18
1961	15.30	18.60	95.50	85.90	570.00	2365.0	1283.0	3646.0	473.00	76.60	39.10	19.00
1962	15.70	21.60	327.00	1459.0	920.00	1795.0	608.00	335.00	214.00	579.00	83.20	101.00
1963	19.50	68.40	43.50	233.00	83.60	3173.0	818.00	450.00	123.00	81.00	53.70	15.70

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
6.56	16.60	45.10	134.00	349.00	649.00
FIFTIETH PERCENTILE					
15.30	76.10	361.00	501.00	786.00	1230.00
SEVENTY FIFTH PERCENTILE					
68.20	433.00	853.00	1388.00	1547.00	2232.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
519.00	335.00	204.00	28.60	24.90	13.10
FIFTIETH PERCENTILE					
1283.00	502.00	383.00	91.60	44.50	31.70
SEVENTY FIFTH PERCENTILE					
2465.00	2143.00	726.00	212.00	83.20	84.60

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1967				42	61	12	15	8	5	19	6	6	14	9	7	10	11	8	6	8	5	5	7	17	7	10	12	26	14	12	2	1			
1968		3	6	19	53	24	19	14	8	6	4	2	2	5	7	20	11	6	7	6	10	7	11	7	15	8	28	17	24	12	2	2	1		
1969				27	52	26	14	9	7	4	1	10	12	2	7	9	5	6	9	9	10	10	12	11	5	17	14	35	5	11	21		2	2	1
1970				22	65	22	26	10	7	11	3	4	8	8	11	10	14	8	14	7	7	8	10	6	4	16	14	20	24	1	2	3			
1971		27	22	13	16	14	25	32	26	10	4	10	11	19	8	8	10	16	13	10	5	4	3	5	6	5	6	10	7	17	1	2			

## WABASH RIVER BASIN

03373000 SALT CREEK NEAR PEERLESS, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1826	100.00	12	210.0	47	975	53.40	24	1200.0	29	451	24.70
1	44.0	30	1826	100.00	13	240.0	43	928	50.82	25	1300.0	63	422	23.11
2	51.0	28	1796	98.36	14	280.0	33	885	48.47	26	1600.0	54	359	19.66
3	59.0	123	1768	96.82	15	320.0	44	852	46.66	27	1800.0	119	305	16.70
4	68.0	247	1645	90.09	16	370.0	60	808	44.25	28	2100.0	67	186	10.19
5	78.0	98	1398	76.56	17	430.0	49	748	40.96	29	2400.0	65	119	6.52
6	90.0	99	1300	71.19	18	500.0	48	699	38.28	30	2800.0	38	54	2.96
7	100.0	73	1201	65.77	19	570.0	41	651	35.65	31	3200.0	8	16	0.88
8	120.0	53	1128	61.77	20	660.0	33	610	33.41	32	3700.0	4	8	0.44
9	140.0	50	1075	58.87	21	760.0	37	577	31.60	33	4200.0	3	4	0.22
10	160.0	18	1025	56.13	22	880.0	39	540	29.57	34	4900.0	1	1	0.05
11	180.0	32	1007	55.15	23	1000.0	50	501	27.44					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	61.4
P90 =	68.1
P75 =	81.6
P70 =	92.2
P50 =	254.0
P25 =	1180.0
P10 =	2110.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1968	59.00 2	59.00 2	60.00 2	60.00 1	66.00 1	74.00 3	84.00 4	89.00 1	180.00 2
1969	44.00 1	52.00 1	56.00 1	61.00 2	68.00 2	71.00 1	72.00 1	130.00 3	331.00 3
1970	64.00 4	65.00 4	66.00 4	69.00 4	75.00 4	78.00 4	84.00 2	209.00 4	390.00 4
1971	62.00 3	63.00 3	63.00 3	64.00 3	69.00 3	74.00 2	84.00 3	94.00 2	113.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1967	3360.00 5	2730.00 5	2470.00 4	2180.00 5	1910.00 4	1560.00 4	1520.00 3	1270.00 4	1150.00 3
1968	4770.00 2	3760.00 2	3170.00 1	2840.00 2	2210.00 3	1900.00 2	1770.00 1	1710.00 1	1420.00 1
1969	5090.00 1	4290.00 1	2930.00 2	2900.00 1	2700.00 1	2030.00 1	1750.00 2	1690.00 2	1420.00 2
1970	3440.00 4	3230.00 4	2290.00 5	2190.00 4	1670.00 5	1490.00 5	1330.00 5	1360.00 3	1120.00 4
1971	3670.00 3	3330.00 3	2660.00 3	2620.00 3	2300.00 2	1710.00 3	1390.00 4	1150.00 5	874.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1968	719.00 2
1969	1010.00 4
1970	764.00 3
1971	671.00 1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1967	659.00 3
1968	887.00 1
1969	879.00 2
1970	646.00 4
1971	505.00 5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1967	73.20	143.00	1209.0	553.00	687.00	919.00	1876.0	1155.0	1056.0	99.70	84.40	74.50
1968	96.10	128.00	858.00	846.00	1314.0	1090.0	1862.0	1528.0	1763.0	770.00	355.00	74.60
1969	68.60	166.00	770.00	1462.0	2121.0	1321.0	1393.0	1543.0	284.00	949.00	465.00	80.70
1970	90.60	515.00	874.00	761.00	1144.0	1077.0	1269.0	1529.0	279.00	69.70	79.30	104.00
1971	170.00	134.00	313.00	738.00	1465.0	1954.0	257.00	513.00	243.00	202.00	54.60	67.20

## 03373200 INDIAN CREEK NEAR SPRINGVILLE, IN

LOCATION.--Lat 38°57'01", long 86°40'30", in SE¼SW¼ sec.18, T.6 N., R.2 W., Lawrence County, Hydrologic Unit 05120208, on left bank at downstream side of bridge on State Highway 54, 0.2 mi downstream from Popcorn Creek, and 4 mi northwest of Springville.

DRAINAGE AREA.--60.7 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1961 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 580.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--12 years, 55.3 ft<sup>3</sup>/s, 12.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,450 ft<sup>3</sup>/s Mar. 9, 1964, gage height, 12.95 ft; no flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in Spring 1950 or 1951 reached a stage of 18.4, from information by local resident.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1962		11		7	1	1	1	3	9	6	9	28	28	22	13	15	17	27	25	29	27	23	17	16	14	6	2	2	1	1	2		2		
1963	1	8		3	2	3	9	11	9	10	24	17	35	53	29	26	13	30	16	6	13	7	14	8	5	3	4			1	2	1	2		
1964	55	30		10	12	8	12	10	16	6	16	25	12	27	13	11	12	12	13	9	13	14	7	10	3	3	3			1	1		1		1
1965	46	8		3	2	1	5	16	9	17	10	12	20	18	14	13	18	22	30	34	11	14	11	9	8	2	5	5			1	1			
1966					4	6	13	10	14	17	41	33	27	22	20	23	20	21	19	18	15	11	9	9	5	3	2	2				1			
1967			1	12	4	13	13	11	16	16	23	11	15	11	17	23	26	28	22	22	19	16	13	6	12	3	5	2	1	2	2				
1968			4	3		2	1	2	7	5	20	19	23	28	42	31	21	26	19	18	13	23	13	13	10	5	5	5	4	2		1	1		
1969									11	20	40	19	11	15	20	27	25	30	20	25	20	25	12	10	12	4	7	4	1	2	4	1			
1970					3	4	9	3	32	10	15	14	19	21	16	24	29	29	28	28	20	21	14	12	5	4	1	1	1		1		1		
1971			5	5	12	3	12	9	13	7	12	11	14	20	31	37	38	29	24	21	18	16	8	8	4	4	1	1		1	1				
1972				1		9	30	32	20	24	26	21	12	12	21	23	15	36	27	15	12	8	4	5	5	2	2	2	1		1				
1973			3	7	4	7	6	5	6	5	2	9	10	20	17	15	24	21	25	27	30	28	30	22	15	9	6	3	3	4	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	102	4383	100.00	12	3.2	237	3237	73.85	24	140.0	114	361	8.24
1	0.10	57	4281	97.67	13	4.3	260	3000	68.45	25	190.0	82	247	5.64
2	0.14	0	4224	96.37	14	6.0	218	2740	62.51	26	260.0	51	165	3.76
3	0.19	36	4224	96.37	15	8.1	240	2522	57.54	27	350.0	36	114	2.60
4	0.26	44	4188	95.55	16	11.0	261	2282	52.06	28	480.0	21	78	1.78
5	0.35	41	4144	94.55	17	15.0	297	2021	46.11	29	660.0	15	57	1.30
6	0.48	62	4103	93.61	18	21.0	283	1724	39.33	30	910.0	18	42	0.96
7	0.66	103	4041	92.20	19	29.0	271	1441	32.88	31	1200.0	13	24	0.55
8	0.90	113	3938	89.85	20	39.0	250	1170	26.69	32	1700.0	8	11	0.25
9	1.2	170	3825	87.27	21	54.0	208	920	20.99	33	2300.0	2	3	0.07
10	1.7	159	3655	83.39	22	73.0	201	712	16.24	34	3200.0	1	1	0.02
11	2.3	259	3496	79.76	23	100.0	150	511	11.66					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.31
P90 =	0.88
P75 =	3.0
P70 =	4.0
P50 =	12.4
P25 =	43.4
P10 =	119.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	1.70 11	1.70 11	1.80 10	2.10 10	3.20 11	4.50 11	5.80 9	6.70 8	8.20 6
1964	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.05 2	0.27 2	0.34 2	1.50 1
1965	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.00 1	0.06 1	0.20 1	2.00 2
1966	0.50 7	0.53 7	0.77 7	1.10 6	2.90 8	3.50 8	6.30 10	11.00 9	14.00 8
1967	0.40 6	0.40 6	0.44 5	0.59 5	1.40 5	3.40 7	5.40 8	6.10 7	7.60 5
1968	0.21 3	0.24 3	0.26 3	0.29 3	0.39 3	1.60 4	3.20 5	3.50 4	6.50 4
1969	1.30 9	1.40 10	1.80 11	2.10 11	3.00 9	3.30 6	4.10 6	23.00 10	26.00 10
1970	1.30 10	1.30 9	1.50 9	1.70 9	2.50 7	3.60 9	6.40 11	26.00 11	29.00 11
1971	0.35 5	0.35 5	0.52 6	1.19 7	1.40 6	3.10 5	3.10 4	4.60 5	10.00 7
1972	0.25 4	0.27 4	0.29 4	0.56 4	0.75 4	0.87 3	1.19 3	1.30 3	5.20 3
1973	0.70 8	0.80 8	1.19 8	1.70 8	3.00 10	4.00 10	5.40 7	6.10 6	16.00 9

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183									
1962	2000.00	6	717.00	10	414.00	10	269.00	10	208.00	8	159.00	7	143.00	6	118.00	6	100.00	5
1963	1940.00	7	1180.00	5	624.00	7	483.00	3	350.00	3	198.00	4	155.00	5	119.00	5	82.00	9
1964	4770.00	1	2300.00	1	1140.00	1	606.00	1	351.00	2	227.00	3	156.00	4	121.00	4	83.00	8
1965	1610.00	8	985.00	6	543.00	8	277.00	9	201.00	9	126.00	10	112.00	9	94.00	10	66.00	11
1966	1470.00	9	706.00	11	375.00	12	206.00	12	128.00	12	89.00	12	90.00	12	83.00	12	65.00	12
1967	1320.00	10	1240.00	4	751.00	4	402.00	6	224.00	7	134.00	8	108.00	10	110.00	7	106.00	4
1968	3190.00	2	1440.00	3	797.00	2	416.00	5	258.00	6	189.00	5	166.00	3	157.00	3	135.00	2
1969	2250.00	4	1560.00	2	778.00	3	604.00	2	352.00	1	237.00	2	193.00	1	166.00	1	135.00	3
1970	2460.00	3	961.00	8	504.00	9	292.00	8	192.00	10	133.00	9	121.00	8	106.00	9	92.00	6
1971	1210.00	12	560.00	12	407.00	11	261.00	11	189.00	11	124.00	11	104.00	11	86.00	11	68.00	10
1972	2220.00	5	976.00	7	673.00	5	458.00	4	273.00	5	185.00	6	138.00	7	110.00	8	83.00	7
1973	1310.00	11	766.00	9	647.00	6	368.00	7	279.00	4	253.00	1	190.00	2	166.00	2	163.00	1

### ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1963	52.00	5
1964	40.00	4
1965	36.00	3
1966	35.00	2
1967	55.00	7
1968	57.00	8
1969	92.00	11
1970	60.00	9
1971	53.00	6
1972	25.00	1
1973	91.00	10

1962	57.00	4
1963	43.00	8
1964	42.00	9
1965	39.00	10
1966	36.00	12
1967	56.00	5
1968	79.00	3
1969	83.00	2
1970	51.00	6
1971	39.00	11
1972	46.00	7
1973	92.00	1

**NORMAL MONTHLY MEANS (ALL DAYS)**

[illegible]



03373200 INDIAN CREEK NEAR SPRINGVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.08	1.82	8.75	30.70	38.00	59.60
FIFTIETH PERCENTILE					
4.58	12.50	41.90	56.10	70.00	103.00
SEVENTY FIFTH PERCENTILE					
9.21	54.70	137.00	85.00	128.00	218.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
56.00	28.20	8.94	4.52	3.41	0.62
FIFTIETH PERCENTILE					
112.00	42.80	17.39	8.01	4.84	3.57
SEVENTY FIFTH PERCENTILE					
186.00	75.80	40.00	17.89	11.60	7.34

LOCATION.--Lat 38°40'02", long 86°47'31", in SW¼NW¼ sec.30, T.3 N., R.3 W., Martin County, Hydrologic Unit 05120208, at left downstream side of U.S. Highway 50 bridge at Shoals, 340 ft upstream from Baltimore and Ohio Railroad bridge, 0.9 mi upstream from Beaver Creek, 6.6 mi downstream from Indian Creek, and at mile 105.3.

PERIOD OF RECORD.--June 1903 to July 1906, October 1908 to September 1916, June 1923 to September 1985. Monthly discharge only for some periods, published in WSP 1305. Published as East Branch White River at Shoals, 1903-6, 1908-16. Gage-height records collected at same site since May 1908 are contained in reports of the National Weather Service.

REMARKS.--Flow partially regulated by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 160,000 ft<sup>3</sup>/s Mar. 28, 1913, gage height, 42.2 ft, from rating curve extended above 100,000 ft<sup>3</sup>/s; minimum daily, 64 ft<sup>3</sup>/s Oct. 6, 1935, as a result of filling Williams Reservoir.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1904									6	28	58	38	17	30	16	12	35	15	14		6	8	13	19	13	9	12	4	3	5	1	2	2			
1905							2	2	59	20	4	14	28	31	31	15	13	28	25	16	30	18	11	6	7	4	1									
1910									15	5		22	31	29	24	38	27	33	27	26	26	17	6	15	7	4	9	4								
1911									11	19	15	15	31	33	24	21	10	19	14	24	18	19	21	18	17	15	15	5	1							
1912									2	2	14	9	8	25	29	11	19	36	24	40	30	16	24	24	21	20	11	1								
1913					1	4	12	13	53	52	52	33	11	10	4	16	12	8	6	9	6	6	6	9	2	3	11	15	11	2		1	2	2	1	
1914				6	2	4	16	28	30	29	22	28	38	22	18	14	14	11	15	12	10	7	19	12	4	4										
1915				7	2	4	12	40	22	10	23	35	24	27	28	12	27	20	24	8	10	9	5	6	6	10	4									
1916								1	1	16	24	36	27	18	20	12	18	19	27	24	20	16	21	21	15	14	7	6	2	1						
1924								2	5	17	26	40	18	8	14	18	20	29	27	33	26	20	19	19	12	13										
1925						4	7	7	26	68	31	45	39	25	40	18	14	13	13	5	4	4	4	2												
1926									1	3	11	13	20	32	33	20	20	26	32	28	21	12	29	31	23	8	2									
1927									5	14	13	14	19	11	8	12	26	26	29	33	39	20	23	20	23	11	8	8								
1928									13	8	18	26	13	10	15	22	35	41	48	37	23	9	5	13	6	18	6									
1929									9	18	14	19	15	27	30	21	25	31	20	28	16	20	16	12	7	16	11	10								
1930									3	1	19	53	16	24	26	8	12	15	16	20	23	19	19	18	17	5	11	10	15	2	3	2	3	5		
1931									8	7	24	75	31	21	50	27	24	15	17	13	11	12	10	11	3	2	4									
1932										2	8	30	36	26	19	27	22	23	30	27	23	28	13	12	16	8	3	6	7			</				

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1961						45	45	61	19	20	12	18	12	18	13	13	11	7	7	10	15	14	8	8	2	3	3	1		
1962						16	24	32	22	23	19	33	41	25	36	18	10	7	10	17	15	8	4	5						
1963	1	1				13	24	77	69	28	11	23	19	16	10	14	8	3	3	6	4	3	8	6	4					
1964			2	12		5	73	56	27	6	22	25	22	24	13	5	9	7	5	11	11	9	6	8	3	6	3	4	4	2
1965						44	17		3	25	31	29	29	33	20	21	12	15	18	14	11	5	9	17	8	4				
1966								1	24	57	85	33	36	15	14	21	9	12	8	18	7	9	14	2						
1967						7	37	38	17	15	19	14	16	14	20	20	28	32	17	10	21	22	14	3	1					
1968						13	7	14	31	13	14	9	38	17	17	17	33	32	32	17	22	14	16	1	2	2	4	1		
1969								24	22	13	24	9	24	22	28	24	52	30	28	4	18	22	10	3	4	2	2			
1970								22	30	53	27	31	17	11	13	26	26	30	19	18	18	17	7							
1971						1	5	15	37	51	25	22	35	28	37	25	12	12	16	22	9	3	2	3	5					
1972						10	17	60	27	26	11	30	12	29	27	21	32	19	10	15	4	3	4	9						
1973								2	21	20	15	9	12	11	7	15	31	54	41	33	32	32	16	12	2					
1974								5	28	10	22	20	11	17	19	16	36	40	41	32	22	29	16	1						
1975						9	11	29	18	13	5	23	13	12	9	28	36	46	32	25	20	15	15	2	4					
1976								11	18	19	24	36	45	35	19	28	20	16	28	22	12	14	11	8						
1977						18	50	29	25	43	30	17	20	11	13	19	19	16	15	12	19	9								
1978											17	17	14	58	43	29	30	36	41	24	15	19	6	7	4	4	1			
1979										8	4	17	10	13	26	16	48	46	47	36	21	25	23	7	11	5	2			
1980								5	11	12	44	24	31	25	40	57	19	16	25	33	11	8	5							
1981								9	22	74	32	28	13	22	13	15	31	22	20	17	9	14	16	5	3					
1982								2	39	41	18	18	19	13	13	22	25	26	16	17	12	15	9	4	2	2				
1983						7	16	46	30	16	7	4	9	15	24	42	34	28	22	16	5	22	12	1	4	3	2			
1984						4	16	22	13	12	30	16	24	14	9	17	38	28	14	31	34	28	10	6						
1985								3	19	10	22	19	23	17	37	41	25	31	20	30	18	16	16	8	7	3				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	25934	100.00	12	850.0	1725	19911	76.78	24	14000.0	998	2727	10.52
1	64.0	2	25934	100.00	13	1100.0	1623	18186	70.12	25	18000.0	691	1729	6.67
2	81.0	0	25932	99.99	14	1400.0	1316	16563	63.87	26	23000.0	455	1038	4.00
3	100.0	2	25932	99.99	15	1700.0	1611	15247	58.79	27	29000.0	291	583	2.25
4	130.0	20	25930	99.98	16	2200.0	1281	13636	52.58	28	36000.0	169	292	1.13
5	160.0	53	25910	99.91	17	2700.0	1580	12355	47.64	29	46000.0	67	123	0.47
6	210.0	135	25857	99.70	18	3500.0	1587	10775	41.55	30	58000.0	36	56	0.22
7	260.0	480	25722	99.18	19	4400.0	1566	9188	35.43	31	73000.0	13	20	0.08
8	330.0	967	25242	97.33	20	5500.0	1533	7622	29.39	32	93000.0	4	7	0.03
9	420.0	1174	24275	93.60	21	7000.0	1341	6089	23.48	33	120000.0	2	3	0.01
10	530.0	1384	23101	89.08	22	8900.0	950	4748	18.31	34	150000.0	1	1	0.00
11	670.0	1806	21717	83.74	23	11000.0	1071	3798	14.64					

P95 =	386.0
P90 =	508.0
P75 =	917.0
P70 =	1110.0
P50 =	2460.0
P25 =	6610.0
P10 =	14500.0

YEAR	1	3	7	14	30	60	90	120	183
1905	215.00 14	239.00 10	297.00 13	329.00 14	345.00 13	353.00 10	405.00 11	423.00 8	692.00 12
1906	605.00 61	675.00 61	746.00 61	876.00 62	1160.00 64	1640.00 64	2120.00 64	2120.00 61	3180.00 60
1910	340.00 27	363.00 24	390.00 22	400.00 24	445.00 25	727.00 40	1020.00 50	1200.00 44	2500.00 52
1911	670.00 63	670.00 59	713.00 58	743.00 57	1070.00 62	1200.00 59	2900.00 67	2510.00 63	2970.00 58
1912	345.00 28	362.00 23	380.00 21	388.00 21	439.00 23	559.00 27	792.00 34	1230.00 46	2810.00 56
1913	465.00 50	597.00 56	636.00 53	670.00 54	745.00 56	826.00 48	814.00 37	914.00 33	1750.00 41
1914	198.00 12	262.00 14	306.00 14	353.00 17	399.00 18	436.00 17	613.00 21	620.00 17	752.00 17
1915	140.00 3	146.00 2	249.00 7	300.00 10	316.00 9	333.00 9	359.00 7	412.00 7	485.00 6
1916	345.00 29	695.00 63	747.00 62	771.00 59	960.00 58	1150.00 58	1720.00 58	2680.00 66	3530.00 65
1925	220.00 15	343.00 22	451.00 34	459.00 32	478.00 29	528.00 24	744.00 28	990.00 36	1290.00 29
1926	225.00 16	367.00 25	444.00 32	466.00 33	613.00 42	839.00 50	873.00 41	1020.00 37	1270.00 27
1927	520.00 55	680.00 62	741.00 60	867.00 61	1240.00 65	1420.00 61	1870.00 61	2660.00 65	4410.00 68
1928	249.00 20	323.00 20	454.00 35	547.00 44	676.00 52	959.00 54	1090.00 53	1440.00 51	2840.00 57
1929	440.00 46	463.00 42	497.00 42	507.00 38	520.00 33	754.00 43	997.00 46	1350.00 50	2050.00 45
1930	337.00 26	431.00 35	462.00 36	485.00 35	536.00 36	786.00 45	999.00 48	1600.00 53	2990.00 59

## 03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1931	164.00	6	190.00	5	285.00	11	288.00	9	302.00	8	315.00	6	339.00	6	349.00	5	360.00	2
1932	388.00	38	460.00	40	550.00	51	623.00	52	674.00	50	1040.00	55	1070.00	52	1130.00	41	1400.00	32
1933	481.00	52	528.00	51	640.00	54	827.00	60	1110.00	63	1840.00	66	2300.00	65	2520.00	64	2760.00	54
1934	315.00	24	392.00	29	445.00	33	447.00	30	500.00	31	654.00	34	746.00	29	772.00	22	925.00	18
1935	235.00	18	284.00	18	310.00	16	323.00	13	344.00	12	372.00	11	449.00	13	484.00	13	624.00	8
1936	64.00	1	84.00	1	168.00	1	316.00	12	523.00	34	709.00	38	1040.00	51	1200.00	45	1550.00	37
1937	172.00	7	192.00	6	201.00	3	216.00	2	257.00	3	318.00	7	374.00	9	438.00	10	1120.00	24
1938	604.00	60	671.00	60	863.00	65	915.00	65	1320.00	66	1630.00	63	1790.00	60	1850.00	57	2370.00	50
1939	385.00	36	405.00	31	426.00	28	435.00	29	443.00	24	516.00	22	657.00	24	872.00	30	1600.00	38
1940	211.00	13	277.00	16	355.00	19	373.00	20	400.00	19	416.00	15	419.00	12	441.00	11	704.00	13
1941	174.00	8	199.00	7	245.00	6	249.00	5	257.00	4	280.00	3	300.00	3	324.00	4	417.00	4
1942	149.00	5	175.00	4	211.00	4	218.00	3	287.00	6	321.00	8	364.00	8	445.00	12	735.00	16
1943	382.00	34	418.00	33	430.00	29	432.00	27	453.00	27	547.00	25	778.00	32	905.00	31	1720.00	39
1944	197.00	10	241.00	11	318.00	17	339.00	15	375.00	16	402.00	13	396.00	10	433.00	9	495.00	7
1945	229.00	17	274.00	15	308.00	15	311.00	11	329.00	10	391.00	12	493.00	15	677.00	20	681.00	11
1946	316.00	25	486.00	46	545.00	50	609.00	50	663.00	49	1040.00	56	1740.00	59	2480.00	62	3440.00	64
1947	197.00	11	246.00	12	287.00	12	341.00	16	368.00	14	421.00	16	538.00	17	801.00	24	1240.00	26
1948	388.00	37	492.00	47	510.00	44	519.00	40	557.00	37	625.00	31	673.00	26	775.00	23	1490.00	34
1949	240.00	19	291.00	19	323.00	18	354.00	18	387.00	17	528.00	23	655.00	23	1150.00	42	1470.00	33
1950	350.00	30	669.00	58	736.00	59	770.00	58	884.00	57	1260.00	60	1500.00	57	1710.00	55	2210.00	47
1951	720.00	65	767.00	65	881.00	66	971.00	66	1020.00	60	1480.00	62	2030.00	63	1900.00	60	3200.00	61
1952	354.00	31	378.00	26	393.00	23	398.00	23	404.00	20	443.00	18	503.00	16	730.00	21	1510.00	35
1953	298.00	23	338.00	21	357.00	20	361.00	19	374.00	15	408.00	14	459.00	14	492.00	14	723.00	14
1954	174.00	9	219.00	9	238.00	5	242.00	4	247.00	2	269.00	2	290.00	2	314.00	2	404.00	3
1955	138.00	2	161.00	3	197.00	2	203.00	1	212.00	1	259.00	1	275.00	1	291.00	1	326.00	1
1956	250.00	21	261.00	13	279.00	10	287.00	8	331.00	11	646.00	32	1100.00	54	1460.00	52	1980.00	43
1957	408.00	40	425.00	34	435.00	30	450.00	31	484.00	30	597.00	30	844.00	38	931.00	34	1530.00	36
1958	440.00	47	469.00	43	491.00	40	522.00	42	594.00	40	697.00	36	778.00	33	1150.00	43	3410.00	63
1959	1060.00	68	1270.00	69	1340.00	69	1370.00	68	1440.00	68	2400.00	69	2710.00	66	3300.00	68	5340.00	69
1960	372.00	33	414.00	32	421.00	27	466.00	34	617.00	43	729.00	41	794.00	35	914.00	32	1190.00	25
1961	435.00	44	435.00	36	435.00	31	435.00	28	456.00	28	504.00	21	549.00	19	607.00	16	729.00	15
1962	428.00	43	460.00	41	477.00	37	499.00	37	533.00	35	581.00	29	663.00	25	804.00	25	1350.00	30
1963	421.00	42	455.00	38	497.00	41	578.00	49	675.00	51	710.00	39	753.00	30	807.00	26	997.00	20
1964	145.00	4	202.00	8	251.00	8	263.00	6	283.00	5	300.00	4	306.00	4	318.00	3	458.00	5
1965	278.00	22	278.00	17	279.00	9	286.00	7	291.00	7	311.00	5	333.00	5	373.00	6	673.00	10
1966	585.00	59	585.00	54	646.00	55	668.00	53	703.00	53	926.00	53	998.00	47	1070.00	38	1110.00	22
1967	460.00	49	460.00	39	482.00	38	495.00	36	508.00	32	573.00	28	647.00	22	676.00	19	987.00	19
1968	383.00	35	391.00	28	393.00	24	394.00	22	408.00	21	475.00	20	542.00	18	602.00	15	1120.00	23
1969	567.00	58	588.00	55	607.00	52	620.00	51	650.00	48	740.00	42	952.00	43	1850.00	56	2770.00	55
1970	810.00	66	820.00	66	841.00	64	898.00	64	988.00	59	1090.00	57	1160.00	55	1880.00	58	2390.00	51
1971	498.00	54	510.00	49	535.00	48	561.00	48	587.00	39	694.00	35	759.00	31	816.00	27	1020.00	21
1972	415.00	41	528.00	52	646.00	56	675.00	55	720.00	54	792.00	46	848.00	40	855.00	29	1360.00	31
1973	442.00	48	479.00	44	523.00	45	556.00	47	619.00	44	922.00	52	1020.00	49	1080.00	39	2270.00	49
1974	643.00	62	646.00	57	661.00	57	700.00	56	738.00	55	862.00	51	967.00	44	1610.00	54	3360.00	62
1975	1120.00	69	1150.00	68	1250.00	68	1380.00	69	1430.00	67	2010.00	67	3290.00	68	3250.00	67	4390.00	67
1976	439.00	45	446.00	37	482.00	39	516.00	39	626.00	46	800.00	47	939.00	42	1100.00	40	1750.00	40
1977	368.00	32	380.00	27	396.00	25	409.00	25	418.00	22	469.00	19	557.00	20	639.00	18	668.00	9
1978	696.00	64	759.00	64	833.00	63	892.00	63	1060.00	61	1690.00	65	1910.00	62	1900.00	59	2050.00	44
1979	972.00	67	982.00	67	1000.00	67	1080.00	67	1490.00	69	2370.00	68	3400.00	69	3990.00	69	4200.00	66
1980	1710.00	70	1730.00	70	1800.00	70	1860.00	70	2170.00	70	3180.00	70	4460.00	70	7030.00	70	6650.00	70
1981	470.00	51	480.00	45	499.00	43	521.00	41	633.00	47	760.00	44	845.00	39	828.00	28	1280.00	28
1982	525.00	56	531.00	53	532.00	46	548.00	45	572.00	38	646.00	33	814.00	36	932.00	35	1800.00	42
1983	527.00	57	527.00	50	535.00	49	546.00	43	605.00	41	705.00	37	1250.00	56	1270.00	47	2240.00	48
1984	397.00	39	400.00	30	407.00	26	415.00	26	450.00	26	554.00	26	703.00	27	1270.00	48	2720.00	53
1985	497.00	53	508.00	48	533.00	47	554.00	46	621.00	45	830.00	49	971.00	45	1320.00	49	2170.00	46

03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1904	78100.00 3	74000.00 3	61100.00 5	46400.00 5	29300.00 8	20700.00 8	17400.00 11	14200.00 17	10100.00 27
1905	23300.00 59	22400.00 59	19900.00 59	14800.00 61	11300.00 62	7690.00 64	7920.00 63	6810.00 63	5330.00 63
1910	34000.00 41	33100.00 41	29400.00 42	21900.00 47	14100.00 53	13000.00 46	10500.00 52	8780.00 52	7050.00 50
1911	36000.00 36	35200.00 36	31900.00 38	24200.00 41	18300.00 40	13600.00 43	12100.00 39	11800.00 26	9160.00 38
1912	36000.00 37	35000.00 37	32000.00 37	28500.00 30	23900.00 15	20300.00 10	19600.00 9	16500.00 7	13200.00 8
1913	155000.00 1	142000.00 1	108000.00 1	70900.00 2	46900.00 2	28000.00 3	24600.00 2	21600.00 2	14600.00 4
1914	25100.00 55	24300.00 55	22900.00 54	18700.00 51	14200.00 52	12300.00 51	9820.00 55	8020.00 58	5970.00 58
1915	27500.00 52	26700.00 52	23700.00 53	17300.00 55	10200.00 64	6720.00 65	5640.00 66	5230.00 66	4640.00 66
1916	59600.00 12	53500.00 13	45900.00 13	33800.00 15	30100.00 6	24800.00 6	19700.00 8	16400.00 8	13000.00 9
1924	27500.00 53	26700.00 53	25400.00 49	24600.00 39	19200.00 34	14700.00 33	12000.00 40	11600.00 29	9890.00 29
1925	11300.00 70	10900.00 69	9940.00 69	7420.00 69	5090.00 69	3880.00 69	3210.00 68	2840.00 67	2360.00 67
1926	29200.00 48	28700.00 48	26900.00 46	21200.00 48	17100.00 44	14500.00 35	13500.00 28	11300.00 35	10400.00 22
1927	42800.00 26	42300.00 25	38900.00 23	29800.00 25	21900.00 23	17200.00 24	16600.00 14	15200.00 12	13500.00 7
1928	32000.00 45	31100.00 45	29100.00 44	23000.00 45	19200.00 35	12400.00 48	12700.00 33	10900.00 38	9320.00 35
1929	41800.00 28	41200.00 26	40200.00 21	33800.00 16	18900.00 38	16700.00 26	15000.00 20	14500.00 14	12700.00 12
1930	68100.00 7	65200.00 7	59900.00 6	46300.00 6	29900.00 7	20600.00 9	17100.00 12	14100.00 18	10300.00 23
1931	13700.00 68	13100.00 68	11400.00 68	8640.00 67	5770.00 67	4400.00 67	3330.00 67	2730.00 69	2300.00 69
1932	38800.00 34	38200.00 33	37300.00 26	34100.00 14	25200.00 11	18700.00 18	14400.00 22	12100.00 25	9290.00 37
1933	51600.00 15	49500.00 15	44000.00 15	33000.00 17	23300.00 18	22000.00 7	20300.00 5	18700.00 5	16800.00 2
1934	15100.00 67	14500.00 67	12300.00 67	8060.00 68	5650.00 68	4140.00 68	3050.00 69	2840.00 68	2320.00 68
1935	24600.00 56	22500.00 58	18700.00 63	14800.00 62	11900.00 60	9610.00 62	9290.00 58	8160.00 57	6190.00 57
1936	21400.00 63	21000.00 63	18900.00 62	15800.00 59	13500.00 56	10300.00 60	8110.00 61	6680.00 64	5020.00 65
1937	99000.00 2	94500.00 2	88300.00 2	78300.00 1	53400.00 1	31400.00 2	22300.00 4	18900.00 4	14000.00 6
1938	33600.00 42	32800.00 42	29400.00 43	23500.00 43	22900.00 19	17800.00 21	14000.00 24	12800.00 22	10200.00 24
1939	55900.00 14	53200.00 14	45100.00 14	30700.00 21	20500.00 29	19400.00 14	17700.00 10	14300.00 15	10700.00 21
1940	51200.00 16	48900.00 16	41600.00 17	29000.00 28	17800.00 42	10400.00 57	9140.00 59	7570.00 59	5410.00 62
1941	11500.00 69	10800.00 70	8970.00 70	5980.00 70	3510.00 71	2080.00 71	1790.00 71	1510.00 71	1290.00 71
1942	28300.00 50	27100.00 50	24900.00 51	16000.00 58	11400.00 61	10900.00 56	9700.00 57	8330.00 55	6990.00 57
1943	62600.00 9	59700.00 10	52000.00 11	36900.00 12	21400.00 26	13700.00 40	13400.00 29	11400.00 32	9140.00 39
1944	46200.00 22	43900.00 23	37500.00 25	26700.00 32	18400.00 39	13400.00 45	10700.00 49	8610.00 54	5880.00 59
1945	72600.00 5	69800.00 5	63500.00 3	49000.00 4	36200.00 5	26500.00 5	19900.00 7	17500.00 6	12900.00 10
1946	23300.00 60	22600.00 57	21000.00 58	16700.00 56	12700.00 58	11200.00 55	10600.00 50	9070.00 48	8220.00 42
1947	40600.00 29	39000.00 31	33500.00 35	25500.00 36	21500.00 25	20100.00 12	16600.00 15	13400.00 21	11400.00 17
1948	36500.00 35	35500.00 35	33500.00 36	24900.00 37	22100.00 22	14500.00 36	12000.00 41	9620.00 46	7130.00 49
1949	62400.00 10	59600.00 11	53600.00 10	44300.00 7	39600.00 4	27800.00 4	23900.00 3	20700.00 3	15300.00 3
1950	68500.00 6	66100.00 6	59200.00 7	54500.00 3	42400.00 3	35300.00 1	27500.00 1	24200.00 1	18200.00 1
1951	42200.00 27	40900.00 28	36500.00 27	29600.00 26	19900.00 32	18500.00 20	17100.00 13	16000.00 10	14500.00 5
1952	40600.00 30	39500.00 30	35700.00 30	30100.00 23	20600.00 28	17500.00 22	15900.00 18	15600.00 11	12400.00 14
1953	19500.00 64	18800.00 65	17200.00 64	12700.00 66	9930.00 65	7930.00 63	7960.00 62	7080.00 61	5840.00 60
1954	5580.00 71	5250.00 71	4560.00 71	4390.00 71	4080.00 70	3110.00 70	2600.00 70	2330.00 70	1820.00 70
1955	30200.00 47	29200.00 47	26600.00 47	22600.00 46	20200.00 30	14000.00 38	11200.00 47	9350.00 47	7140.00 47
1956	33200.00 43	31700.00 44	25200.00 50	18700.00 52	16900.00 46	13600.00 41	12000.00 42	10300.00 41	8710.00 41
1957	45500.00 23	44100.00 22	38400.00 24	26900.00 31	17100.00 45	15700.00 29	12900.00 30	11700.00 27	9660.00 32
1958	40100.00 32	38800.00 32	35100.00 32	28600.00 29	19200.00 36	13600.00 42	12400.00 37	11600.00 30	9300.00 36
1959	66500.00 8	63800.00 8	54500.00 8	38000.00 10	27200.00 10	19300.00 15	15000.00 21	12200.00 24	9570.00 33
1960	40300.00 31	39700.00 29	35400.00 31	25600.00 35	15800.00 49	10300.00 58	7650.00 64	7240.00 60	7140.00 48
1961	76200.00 4	72800.00 4	61600.00 4	43100.00 8	28900.00 9	20200.00 11	20000.00 6	16200.00 9	11400.00 18
1962	35600.00 39	34700.00 39	31500.00 39	24200.00 40	18900.00 37	13500.00 44	12200.00 38	10000.00 42	7570.00 46
1963	45200.00 24	43200.00 24	35900.00 28	30100.00 24	24900.00 12	15300.00 31	11400.00 46	8990.00 50	6350.00 55
1964	61400.00 11	59900.00 9	53800.00 9	40500.00 9	24800.00 13	19700.00 13	14200.00 23	11400.00 33	7910.00 44
1965	25500.00 54	24500.00 54	22800.00 55	16400.00 57	14000.00 54	10300.00 59	10700.00 48	8850.00 51	6340.00 56
1966	19500.00 65	18900.00 64	16900.00 65	13200.00 64	9740.00 66	6550.00 66	6620.00 65	6090.00 65	5080.00 64
1967	29000.00 49	27700.00 49	23700.00 52	18700.00 53	15700.00 50	11800.00 53	11500.00 45	9890.00 44	9000.00 40
1968	58200.00 13	56800.00 12	50400.00 12	35500.00 13	22800.00 20	14800.00 32	13900.00 25	11700.00 28	10200.00 25
1969	46800.00 21	45600.00 21	40100.00 22	30200.00 22	23500.00 16	16100.00 28	12600.00 34	11400.00 34	9550.00 34
1970	22200.00 62	21100.00 62	19000.00 61	15400.00 60	13000.00 57	11900.00 52	10600.00 51	9820.00 45	7620.00 45

## WABASH RIVER BASIN

03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	34700.00	40	33900.00	40	30900.00	40	23800.00	42	17400.00	43	12400.00	49	9770.00	56	8250.00	56	6460.00	54
1972	35700.00	38	34900.00	38	33900.00	34	29500.00	27	19600.00	33	14000.00	39	11900.00	43	9910.00	43	7930.00	43
1973	30900.00	46	29700.00	46	28200.00	45	24600.00	38	20100.00	31	17500.00	23	13700.00	27	12300.00	23	11600.00	15
1974	23500.00	58	22100.00	60	21200.00	57	18800.00	50	13900.00	55	12400.00	50	12600.00	35	11500.00	31	10100.00	26
1975	42800.00	25	41200.00	27	35800.00	29	25700.00	34	22700.00	21	18700.00	19	16300.00	17	14900.00	13	12700.00	11
1976	22500.00	61	21800.00	61	19700.00	60	14600.00	63	12100.00	59	11500.00	54	10300.00	54	9050.00	49	6830.00	53
1977	16900.00	66	15300.00	66	14400.00	66	12700.00	65	10300.00	63	9790.00	61	8740.00	60	7040.00	62	5420.00	61
1978	47200.00	20	46000.00	20	41600.00	18	32300.00	18	21100.00	27	14600.00	34	12900.00	31	10700.00	39	9870.00	30
1979	48400.00	18	46900.00	18	43200.00	16	37500.00	11	24400.00	14	19300.00	16	15300.00	19	14200.00	16	12500.00	13
1980	32600.00	44	32400.00	43	30400.00	41	23000.00	44	16000.00	48	14300.00	37	11500.00	44	11200.00	36	11000.00	19
1981	24100.00	57	23600.00	56	21300.00	56	18500.00	54	15600.00	51	12800.00	47	10400.00	53	8740.00	53	6990.00	52
1982	48300.00	19	46700.00	19	41300.00	20	31800.00	19	23400.00	17	19000.00	17	16400.00	16	13800.00	19	10800.00	20
1983	48700.00	17	47200.00	17	41400.00	19	31000.00	20	21800.00	24	16500.00	27	12500.00	36	10300.00	40	9660.00	31
1984	27700.00	51	26800.00	51	25500.00	48	19800.00	49	16500.00	47	15400.00	30	12700.00	32	11100.00	37	10000.00	28
1985	38800.00	33	37500.00	34	34000.00	33	25800.00	33	17900.00	41	16900.00	25	13800.00	26	13500.00	20	11400.00	16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1905	3210.00	9
1906	5600.00	38
1910	5670.00	40
1911	5260.00	35
1912	7480.00	57
1913	8880.00	65
1914	4240.00	25
1915	2660.00	6
1916	7510.00	58
1925	3230.00	11
1926	4910.00	31
1927	7780.00	61
1928	7470.00	56
1929	5850.00	42
1930	8490.00	63
1931	1050.00	1
1932	5400.00	36
1933	7410.00	55
1934	4740.00	27
1935	1970.00	3
1936	4050.00	23
1937	7610.00	60
1938	5830.00	41
1939	5920.00	43
1940	3690.00	19
1941	2260.00	5
1942	2740.00	7
1943	5140.00	34
1944	3210.00	10
1945	5950.00	44
1946	7120.00	51
1947	3670.00	18
1948	6500.00	45
1949	9250.00	70
1950	9120.00	68
1951	9120.00	69
1952	7330.00	54
1953	3440.00	16
1954	1910.00	2
1955	3360.00	14
1956	4910.00	32
1957	3880.00	22
1958	7140.00	52
1959	8960.00	66
1960	3420.00	15
1961	4810.00	28
1962	6890.00	46
1963	3800.00	20
1964	3350.00	13
1965	3870.00	21
1966	3310.00	12
1967	4220.00	24
1968	4830.00	29
1969	7570.00	59
1970	4940.00	33

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1904	5490.00	39
1905	3310.00	60
1910	4610.00	43
1911	6270.00	25
1912	8550.00	5
1913	7690.00	10
1914	3320.00	58
1915	3190.00	62
1916	7660.00	12
1924	6000.00	30
1925	1690.00	67
1926	7090.00	16
1927	8420.00	6
1928	6000.00	31
1929	7420.00	14
1930	5550.00	38
1931	1470.00	69
1932	5830.00	34
1933	9710.00	2
1934	1640.00	68
1935	3590.00	56
1936	2840.00	66
1937	8400.00	7
1938	6610.00	23
1939	5950.00	33
1940	2910.00	65
1941	855.00	71
1942	4250.00	48
1943	5290.00	41
1944	3240.00	61
1945	7010.00	17
1946	5430.00	40
1947	6700.00	21
1948	4080.00	51
1949	8720.00	4
1950	10400.00	1
1951	8270.00	8
1952	6900.00	20
1953	3310.00	59
1954	1070.00	70
1955	3950.00	53
1956	5970.00	32
1957	5570.00	37
1958	7670.00	11
1959	5730.00	36
1960	4510.00	47
1961	6090.00	29
1962	4600.00	44
1963	3580.00	57
1964	4160.00	49
1965	3600.00	55
1966	2990.00	64
1967	5160.00	42
1968	6450.00	24
1969	6130.00	28

03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	4900.00	30
1972	2970.00	8
1973	7080.00	50
1974	7060.00	49
1975	8600.00	64
1976	5510.00	37
1977	2140.00	4
1978	5630.00	39
1979	8180.00	62
1980	8980.00	67
1981	3490.00	17
1982	7280.00	53
1983	4390.00	26
1984	6930.00	47
1985	7010.00	48

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	4530.00	46
1971	3900.00	54
1972	4560.00	45
1973	7980.00	9
1974	6640.00	22
1975	7640.00	13
1976	4110.00	50
1977	3160.00	63
1978	6910.00	19
1979	9470.00	3
1980	7250.00	15
1981	3970.00	52
1982	6170.00	27
1983	5740.00	35
1984	6230.00	26
1985	6980.00	18

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1904	767.00	732.00	1256.0	6398.0	10780.0	22560.0	14980.0	3260.0	2764.0	1510.0	592.00	533.00
1905	435.00	360.00	1087.0	2773.0	3145.0	7231.0	4974.0	9901.0	3430.0	1361.0	3369.0	1592.0
1906	5225.0	4181.0	7222.0	10980.0	2924.0	11560.0	*	*	*	*	*	*
1909	*	*	*	*	*	*	6803.0	9311.0	6128.0	6028.0	1642.0	698.00
1910	1140.0	1989.0	5116.0	11720.0	6584.0	10730.0	3143.0	4702.0	1261.0	6066.0	1304.0	1398.0
1911	12520.0	1530.0	2154.0	11710.0	9604.0	7756.0	17970.0	6093.0	1663.0	790.00	456.00	3345.0
1912	7399.0	5657.0	8558.0	7780.0	8046.0	21990.0	17920.0	14590.0	2221.0	3657.0	3134.0	1365.0
1913	819.00	934.00	740.00	24740.0	4635.0	31020.0	24000.0	1735.0	947.00	754.00	995.00	479.00
1914	407.00	1278.0	2350.0	1469.0	6995.0	10030.0	12440.0	2662.0	825.00	551.00	614.00	676.00
1915	397.00	316.00	405.00	951.00	10790.0	2162.0	1029.0	3958.0	3365.0	7196.0	5864.0	2431.0
1916	1111.0	2180.0	9605.0	25270.0	20650.0	7624.0	8293.0	4259.0	8493.0	2852.0	1245.0	819.00
1924	907.00	1347.0	16480.0	11090.0	6482.0	8892.0	7147.0	7122.0	7248.0	2337.0	1693.0	1078.0
1925	781.00	512.00	2548.0	1101.0	2320.0	4849.0	2384.0	1019.0	845.00	998.00	1554.0	1336.0
1926	2735.0	12040.0	6523.0	5033.0	15950.0	9423.0	14130.0	2748.0	1897.0	1391.0	5161.0	9154.0
1927	6604.0	6390.0	4195.0	16710.0	8288.0	16790.0	12960.0	17270.0	7962.0	1323.0	1210.0	1149.0
1928	2461.0	3049.0	17890.0	5828.0	13780.0	5017.0	9017.0	3808.0	5232.0	4134.0	1491.0	631.00
1929	887.00	2511.0	4440.0	16280.0	7156.0	14510.0	10010.0	18410.0	5533.0	6843.0	1236.0	925.00
1930	1141.0	4020.0	8524.0	27540.0	10680.0	6843.0	4415.0	1566.0	722.00	413.00	323.00	442.00
1931	317.00	318.00	392.00	432.00	589.00	2696.0	5608.0	1533.0	903.00	1627.0	720.00	2575.0
1932	1401.0	3208.0	9343.0	23870.0	9332.0	4581.0	4181.0	2372.0	1683.0	5561.0	2290.0	1996.0
1933	2827.0	7485.0	8194.0	23530.0	9044.0	19480.0	18690.0	21410.0	2916.0	1258.0	748.00	593.00
1934	1091.0	789.00	2163.0	1430.0	725.00	4792.0	3331.0	880.00	1836.0	1062.0	963.00	582.00
1935	529.00	351.00	736.00	2430.0	908.00	9875.0	5111.0	11260.0	5127.0	3210.0	2134.0	1036.0
1936	543.00	1652.0	1562.0	2760.0	4809.0	9294.0	9213.0	2606.0	696.00	489.00	265.00	379.00
1937	2402.0	7976.0	1563.0	47640.0	14460.0	3951.0	6180.0	9203.0	2163.0	1361.0	2094.0	1915.0
1938	4810.0	1852.0	8237.0	4278.0	10600.0	17350.0	13640.0	4603.0	5465.0	4526.0	3460.0	780.00
1939	464.00	1289.0	960.00	3873.0	14070.0	18600.0	19880.0	3193.0	4960.0	2311.0	2089.0	615.00
1940	430.00	427.00	427.00	815.00	5096.0	4427.0	15830.0	4305.0	2078.0	763.00	371.00	309.00
1941	262.00	364.00	633.00	893.00	972.00	562.00	1347.0	529.00	3458.0	678.00	305.00	341.00
1942	490.00	1634.0	2238.0	3052.0	9785.0	9575.0	9753.0	4394.0	5736.0	2553.0	1325.0	1032.0
1943	465.00	2250.0	3212.0	4546.0	6131.0	20300.0	5666.0	12390.0	4705.0	1861.0	1197.0	553.00
1944	385.00	429.00	383.00	714.00	1951.0	8206.0	18370.0	4508.0	1672.0	547.00	886.00	1056.0
1945	366.00	582.00	817.00	1927.0	6317.0	34300.0	15700.0	6117.0	12080.0	2585.0	1325.0	2001.0
1946	4641.0	5665.0	5825.0	7952.0	11790.0	10430.0	3212.0	9455.0	3001.0	1501.0	1547.0	469.00
1947	383.00	1182.0	3507.0	9694.0	6212.0	3896.0	16350.0	17630.0	14840.0	3527.0	2242.0	1154.0
1948	583.00	675.00	769.00	3798.0	6092.0	10570.0	17790.0	3644.0	1155.0	2450.0	1068.0	603.00
1949	465.00	5819.0	9459.0	35790.0	19390.0	13930.0	7817.0	2651.0	4855.0	1855.0	1822.0	1339.0
1950	2664.0	1177.0	5584.0	39700.0	30880.0	10580.0	14240.0	7609.0	6771.0	2026.0	1062.0	3607.0
1951	1415.0	10330.0	13090.0	17650.0	18280.0	14200.0	13440.0	4337.0	2626.0	3261.0	902.00	511.00
1952	405.00	1443.0	13940.0	13910.0	17660.0	15780.0	9811.0	3752.0	3739.0	1532.0	583.00	580.00
1953	393.00	432.00	1283.0	5608.0	3978.0	9647.0	5947.0	7906.0	1666.0	1817.0	612.00	307.00
1954	268.00	308.00	389.00	705.00	1108.0	1804.0	3736.0	2191.0	1414.0	365.00	357.00	233.00
1955	303.00	293.00	750.00	4104.0	7663.0	19090.0	6260.0	2927.0	2787.0	1990.0	764.00	600.00
1956	3035.0	9307.0	3140.0	1552.0	16150.0	11150.0	8524.0	3889.0	9596.0	3419.0	1258.0	1431.0
1957	614.00	622.00	3059.0	4256.0	6205.0	4082.0	17010.0	13580.0	7496.0	7885.0	1354.0	833.00
1958	599.00	4141.0	17150.0	7530.0	3270.0	4475.0	5495.0	14370.0	8939.0	13520.0	8630.0	3190.0
1959	1899.0	3529.0	4545.0	19300.0	15440.0	8840.0	4870.0	4440.0	3483.0	1130.0	1133.0	703.00
1960	775.00	1530.0	3588.0	5720.0	9449.0	4542.0	4148.0	3325.0	10310.0	8970.0	1306.0	699.00
1961	502.00	521.00	753.00	992.00	2925.0	22950.0	10090.0	24990.0	4714.0	2005.0	1441.0	663.00
1962	607.00	809.00	2926.0	9605.0	7114.0	17340.0	4996.0	2944.0	2353.0	4078.0	1149.0	1207.0
1963	692.00	920.00	713.00	1452.0	1271.0	23340.0	6318.0	3596.0	1815.0	1158.0	840.00	427.00
1964	294.00	326.00	305.00	629.00	822.00	23410.0	13580.0	4697.0	2935.0	1772.0	584.00	368.00
1965	301.00	337.00	720.00	2812.0	10290.0	8721.0	11760.0	3930.0	1200.0	1445.0	834.00	1448.0

## 03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1966	1146.0	893.00	973.00	5138.0	7956.0	3530.0	4931.0	7954.0	1336.0	938.00	725.00	739.00
1967	521.00	1752.0	11160.0	3631.0	5521.0	11260.0	7881.0	14310.0	3327.0	1150.0	763.00	469.00
1968	489.00	728.00	8814.0	3615.0	9749.0	6795.0	11310.0	15040.0	12160.0	3364.0	4495.0	1035.0
1969	700.00	1587.0	6747.0	12940.0	18530.0	3821.0	9983.0	6230.0	3340.0	6790.0	2743.0	1123.0
1970	1135.0	3098.0	3620.0	3010.0	8740.0	9815.0	12630.0	7204.0	2973.0	979.00	944.00	688.00
1971	776.00	1277.0	2768.0	4514.0	14620.0	10300.0	2630.0	3752.0	2731.0	1896.0	1322.0	945.00
1972	877.00	733.00	3404.0	4834.0	3626.0	8835.0	19000.0	7373.0	2760.0	1396.0	1185.0	753.00
1973	1097.0	8689.0	11300.0	7918.0	6843.0	16760.0	17080.0	6368.0	7729.0	8398.0	2563.0	996.00
1974	904.00	2588.0	5863.0	12340.0	8660.0	11330.0	12660.0	7243.0	7869.0	2539.0	1728.0	6228.0
1975	2907.0	7114.0	8986.0	10870.0	14450.0	21210.0	12250.0	7508.0	3842.0	1100.0	1014.0	915.00
1976	1574.0	2101.0	6410.0	11540.0	11460.0	6685.0	2677.0	1452.0	1994.0	1977.0	1040.0	584.00
1977	673.00	820.00	683.00	433.00	3143.0	10270.0	8634.0	5469.0	1389.0	3067.0	2283.0	1063.0
1978	2755.0	2713.0	14340.0	4295.0	2448.0	18530.0	8312.0	10650.0	3401.0	4597.0	5797.0	4375.0
1979	3158.0	3906.0	11060.0	12920.0	9846.0	19880.0	13670.0	6545.0	4202.0	7840.0	15220.0	5018.0
1980	2201.0	9416.0	15150.0	9092.0	4938.0	14140.0	11680.0	7126.0	5348.0	2903.0	3445.0	1418.0
1981	776.00	778.00	1113.0	645.00	3675.0	3162.0	8425.0	11310.0	10680.0	4146.0	2085.0	965.00
1982	586.00	968.00	2433.0	10800.0	22490.0	13710.0	8839.0	4839.0	4724.0	2670.0	1307.0	2046.0
1983	775.00	2269.0	9213.0	7976.0	4753.0	3262.0	11050.0	21250.0	4416.0	2254.0	905.00	554.00
1984	4118.0	5693.0	11160.0	3655.0	6177.0	11730.0	16390.0	9641.0	2218.0	2228.0	1028.0	770.00
1985	1408.0	5595.0	10720.0	10480.0	10460.0	13370.0	15410.0	7687.0	3185.0	1822.0	2646.0	1193.0

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

471.00

729.00

1002.00

2763.00

4142.00

5434.00

## FIFTIETH PERCENTILE

776.00

1530.00

3456.00

5373.00

7410.00

10150.00

## SEVENTY FIFTH PERCENTILE

1818.00

3812.00

8750.00

11670.00

10790.00

16520.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

5523.00

3393.00

1851.00

1274.00

852.00

586.00

## FIFTIETH PERCENTILE

9483.00

5154.00

3334.00

1998.00

1252.00

920.00

## SEVENTY FIFTH PERCENTILE

14020.00

9419.00

5436.00

3500.00

2093.00

1390.00



## 03373700 LOST RIVER NEAR WEST BADEN SPRINGS, IN

LOCATION.--Lat 38°35'10", long 86°38'03", in SW¼SE¼ sec.21, T.2 N., R.2 W., Orange County, Hydrologic Unit 05120208, on left bank 20 ft downstream from bridge on U.S. Highway 150, 1.7 mi northwest of West Baden Springs, 3.8 mi downstream from Lick Creek, and at mile 34.8.

DRAINAGE AREA.--287 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1964 to September 1985. Prior to October 1965, published as Lost River near West Baden.

GAGE.--Water-stage recorder. Datum of gage is 457.92 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--20 years, 378 ft<sup>3</sup>/s, 17.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,100 ft<sup>3</sup>/s May 1, 1983, gage height, 26.55 ft; minimum daily, 7.5 ft<sup>3</sup>/s Oct. 8, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1964 reached a stage of 28.1 ft, from floodmarks, discharge, 14,500 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1966	1	2	3	12	55	44	23	23	23	16	8	10	10	12	12	13	17	14	15	10	7	8	6	4	3	5	3	6								
1967	9	11	27	14	8	9	26	23	9	22	17	25	24	17	27	10	13	9	9	9	8	8	11	4	5	5	3	2	1							
1968	3	2	3	7	11	10	11	17	25	24	16	25	23	11	20	21	12	11	21	15	15	13	11	12	5	6	10	5	1							
1969				3	28	22	12	9	9	14	21	17	22	18	29	18	18	18	16	19	12	7	19	10	5	3	5	4	2	3	2					
1970				11	43	21	24	12	14	15	22	14	11	9	15	14	15	23	25	14	13	13	7	10	8	5	3	1	1	1	1					
1971					5	6	13	25	28	17	33	27	25	22	14	21	19	14	20	11	14	16	9	7	6	7	3	1	1	1						
1972				18	24	39	36	18	16	19	22	18	9	6	15	7	11	20	27	15	13	9	3	1	4	3	6	3	1	1	2					
1973				13	28	9	9	7	7	7	7	7	6	14	23	20	27	31	27	32	20	24	14	12	2	10	4	4	5	1	1	1	1			
1974				4	33	7	8	13	11	7	11	9	17	8	21	17	18	24	30	31	22	20	9	13	9	9	7	2	2	2	1					
1975					24	25	17	13	5	9	11	11	8	13	14	17	16	30	34	32	19	14	10	14	10	6	7	1	2	2	1					
1976					10	16	14	14	21	37	23	18	18	9	20	18	30	26	22	12	13	11	6	9	7	4	4	4								
1977				7	27	25	20	15	21	17	20	19	23	12	16	16	14	15	17	14	18	10	7	9	12	3	5	3								
1978								1	8	11	8	26	51	26	31	23	21	25	25	17	18	11	18	9	12	6	7	7	1	1		2				
1979								6	17	12	14	12	11	9	24	20	15	37	27	25	18	21	18	17	10	18	17	8	4	3	1			1		
1980					4	21	16	11	8	6	20	26	29	15	26	25	20	26	22	13	15	10	10	13	11	7	6	4	1	1						
1981		2	12	18	23	43	23	21	11	18	19	26	22	18	13	9	13	13	16	8	10	10	5	2	5	3	1	1								
1982					18	18	25	19	10	21	14	15	18	32	18	13	21	22	16	18	12	9	10	11	10	7	2	1	1	1	1	3				
1983				7	23	18	14	13	12	23	5	7	17	11	24	18	20	23	22	16	16	11	10	14	8	8	8	5	4	2	2	1	2	1		
1984			9	13	24	6	10	15	8	13	20	18	17	10	19	15	24	17	15	15	19	22	17	16	13	5	3		1	1	1					
1985					7	15	9	11	12	15	11	7	16	15	36	22	20	27	30	24	20	12	16	11	10	5	5	3	3	1		1	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	7305	100.00	12	77.0	330	4808	65.82	24	970.0	195	740	10.13
1	7.5	15	7305	100.00	13	95.0	370	4478	61.30	25	1200.0	159	545	7.46
2	9.3	27	7290	99.79	14	120.0	255	4108	56.24	26	1500.0	126	386	5.28
3	11.0	60	7263	99.43	15	140.0	433	3853	52.74	27	1800.0	111	260	3.56
4	14.0	124	7203	98.60	16	180.0	341	3420	46.82	28	2200.0	71	149	2.04
5	17.0	359	7079	96.91	17	220.0	352	3079	42.15	29	2800.0	30	78	1.07
6	22.0	359	6720	91.99	18	270.0	419	2727	37.33	30	3400.0	19	48	0.66
7	27.0	321	6361	87.08	19	340.0	421	2308	31.59	31	4200.0	14	29	0.40
8	33.0	291	6040	82.68	20	420.0	355	1887	25.83	32	5200.0	9	15	0.21
9	41.0	288	5749	78.70	21	510.0	323	1532	20.97	33	6500.0	5	6	0.08
10	50.0	325	5461	74.76	22	630.0	255	1209	16.55	34	8000.0	1	1	0.01
11	62.0	328	5136	70.31	23	780.0	214	954	13.06					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 18.9  
P90 = 24.0  
P75 = 49.4  
P70 = 63.1  
P50 = 159.0  
P25 = 435.0  
P10 = 982.0

## WABASH RIVER BASIN

03373700 LOST RIVER NEAR WEST BADEN SPRINGS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	12.00 5	13.00 5	13.00 5	15.00 5	18.00 7	24.00 7	38.00 10	54.00 10	54.00 5
1967	7.50 1	8.60 1	9.40 2	10.00 2	12.00 2	14.00 1	20.00 2	21.00 2	33.00 2
1968	8.60 2	9.20 2	9.40 3	10.00 3	12.00 3	18.00 3	25.00 3	31.00 3	46.00 4
1969	16.00 11	16.00 10	17.00 11	18.00 11	20.00 10	24.00 8	31.00 6	86.00 15	116.00 11
1970	16.00 12	17.00 12	19.00 12	20.00 12	23.00 12	25.00 11	46.00 14	77.00 13	102.00 10
1971	15.00 7	16.00 11	16.00 10	16.00 6	17.00 5	22.00 4	35.00 8	43.00 6	71.00 8
1972	19.00 13	19.00 13	20.00 13	22.00 13	26.00 13	31.00 12	36.00 9	39.00 4	55.00 6
1973	15.00 8	15.00 7	15.00 7	16.00 7	19.00 9	31.00 13	40.00 11	41.00 5	65.00 7
1974	15.00 9	16.00 8	16.00 8	17.00 9	18.00 8	23.00 5	26.00 4	71.00 12	233.00 18
1975	31.00 17	31.00 17	34.00 17	40.00 17	54.00 17	70.00 16	208.00 19	256.00 19	354.00 19
1976	20.00 15	20.00 14	22.00 14	25.00 15	31.00 15	40.00 15	40.00 12	49.00 8	122.00 12
1977	15.00 10	16.00 9	16.00 9	17.00 10	17.00 6	24.00 9	32.00 7	46.00 7	45.00 3
1978	47.00 20	47.00 20	50.00 20	56.00 19	73.00 19	140.00 19	178.00 18	229.00 17	216.00 16
1979	38.00 19	39.00 19	42.00 18	47.00 18	72.00 18	93.00 18	146.00 17	246.00 18	232.00 17
1980	33.00 18	36.00 18	43.00 19	67.00 20	92.00 20	150.00 20	209.00 20	385.00 20	426.00 20
1981	9.00 3	9.20 3	9.30 1	9.70 1	11.00 1	16.00 2	19.00 1	19.00 1	23.00 1
1982	19.00 14	20.00 15	22.00 15	24.00 14	29.00 14	37.00 14	64.00 15	63.00 11	84.00 9
1983	24.00 16	24.00 16	26.00 16	28.00 16	36.00 16	91.00 17	137.00 16	130.00 16	178.00 15
1984	13.00 6	13.00 6	14.00 6	16.00 8	22.00 11	25.00 10	41.00 13	51.00 9	129.00 14
1985	12.00 4	12.00 4	13.00 4	14.00 4	15.00 4	23.00 6	30.00 5	80.00 14	125.00 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1966	2750.00 17	2370.00 18	2000.00 16	1280.00 18	952.00 18	621.00 19	628.00 19	547.00 17	423.00 17
1967	2850.00 15	2510.00 16	2080.00 15	1580.00 11	1080.00 12	689.00 18	658.00 17	534.00 18	422.00 18
1968	2840.00 16	2640.00 14	2280.00 13	1470.00 14	1160.00 11	779.00 16	806.00 11	660.00 13	606.00 12
1969	4700.00 10	4190.00 9	2870.00 9	2090.00 6	1530.00 3	1080.00 8	850.00 9	798.00 6	665.00 9
1970	4700.00 11	3230.00 12	2130.00 14	1470.00 15	1060.00 13	983.00 10	793.00 12	695.00 11	544.00 13
1971	3000.00 14	2560.00 15	1840.00 17	1400.00 16	1010.00 14	703.00 17	632.00 18	534.00 19	420.00 19
1972	4650.00 12	4260.00 8	3300.00 6	2390.00 4	1410.00 6	1090.00 7	868.00 7	685.00 12	524.00 14
1973	6520.00 4	5700.00 3	3670.00 2	1940.00 8	1300.00 8	1140.00 5	870.00 6	744.00 7	706.00 5
1974	4860.00 8	4160.00 10	2630.00 10	1480.00 13	987.00 17	821.00 15	812.00 10	727.00 9	676.00 8
1975	6000.00 5	4460.00 7	2910.00 8	1680.00 9	1510.00 4	1210.00 3	1110.00 3	1010.00 1	906.00 2
1976	2630.00 18	2390.00 17	1680.00 19	1050.00 19	928.00 19	835.00 14	742.00 15	647.00 14	495.00 16
1977	2460.00 19	2160.00 19	1720.00 18	1300.00 17	995.00 15	886.00 12	778.00 13	614.00 15	506.00 15
1978	5910.00 6	5110.00 5	3470.00 5	2240.00 5	1390.00 7	986.00 9	881.00 5	697.00 10	684.00 6
1979	6820.00 3	5200.00 4	3560.00 3	2420.00 3	1440.00 5	1180.00 4	986.00 4	905.00 4	854.00 3
1980	3460.00 13	2940.00 13	2420.00 12	1500.00 12	992.00 16	862.00 13	696.00 16	610.00 16	609.00 11
1981	1850.00 20	1510.00 20	1020.00 20	691.00 20	686.00 20	513.00 20	438.00 20	357.00 20	265.00 20
1982	5730.00 7	4650.00 6	3050.00 7	2770.00 2	1820.00 2	1380.00 2	1140.00 2	984.00 3	741.00 4
1983	8760.00 1	7870.00 1	5350.00 1	3560.00 1	2450.00 1	1700.00 1	1220.00 1	999.00 2	937.00 1
1984	4700.00 9	3950.00 11	2500.00 11	1590.00 10	1180.00 10	1090.00 6	864.00 8	734.00 8	648.00 10
1985	7990.00 2	5750.00 2	3550.00 4	2080.00 7	1260.00 9	974.00 11	746.00 14	810.00 5	681.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	204.00 4
1967	223.00 5
1968	304.00 6
1969	412.00 12
1970	306.00 7
1971	334.00 8
1972	193.00 3
1973	393.00 11
1974	449.00 16
1975	618.00 20
1976	387.00 10
1977	181.00 2
1978	443.00 15
1979	525.00 18
1980	586.00 19
1981	142.00 1
1982	432.00 13
1983	347.00 9
1984	521.00 17
1985	436.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1966	229.00 19
1967	231.00 18
1968	359.00 12
1969	381.00 10
1970	308.00 13
1971	246.00 17
1972	281.00 16
1973	483.00 4
1974	443.00 7
1975	527.00 3
1976	299.00 14
1977	299.00 15
1978	464.00 5
1979	657.00 1
1980	377.00 11
1981	153.00 20
1982	434.00 8
1983	527.00 2
1984	382.00 9
1985	446.00 6

03373700 LOST RIVER NEAR WEST BADEN SPRINGS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	*	*	*	256.00	807.00	660.00	643.00	160.00	69.40	80.40	24.90	105.00
1966	64.00	26.30	22.60	336.00	636.00	323.00	686.00	543.00	58.70	43.40	31.90	17.30
1967	12.00	47.70	302.00	95.50	168.00	658.00	248.00	1016.0	97.90	43.20	49.60	12.80
1968	22.80	59.00	709.00	257.00	421.00	698.00	808.00	723.00	255.00	65.90	241.00	39.50
1969	19.80	101.00	670.00	1080.0	744.00	217.00	909.00	354.00	168.00	200.00	62.20	78.30
1970	24.10	159.00	129.00	239.00	424.00	935.00	993.00	316.00	375.00	62.20	45.80	17.20
1971	51.80	129.00	276.00	389.00	993.00	426.00	172.00	293.00	95.60	39.20	93.50	45.90
1972	35.20	30.00	179.00	258.00	300.00	765.00	1402.0	248.00	44.80	41.60	57.60	23.80
1973	39.30	330.00	649.00	400.00	325.00	1160.0	1047.0	332.00	373.00	969.00	132.00	24.30
1974	24.50	231.00	299.00	797.00	408.00	749.00	830.00	444.00	698.00	73.50	233.00	543.00
1975	170.00	888.00	528.00	688.00	1115.0	1274.0	955.00	387.00	250.00	35.10	57.30	33.20
1976	146.00	322.00	595.00	914.00	692.00	276.00	97.10	86.60	224.00	143.00	57.10	40.40
1977	60.30	64.30	40.70	18.10	389.00	956.00	731.00	345.00	194.00	192.00	486.00	115.00
1978	182.00	329.00	1069.0	213.00	110.00	1306.0	521.00	754.00	141.00	207.00	531.00	147.00
1979	130.00	384.00	926.00	902.00	799.00	855.00	1023.0	412.00	604.00	904.00	739.00	208.00
1980	92.50	910.00	693.00	457.00	225.00	756.00	612.00	311.00	133.00	265.00	36.40	26.20
1981	19.30	25.90	19.50	12.70	136.00	112.00	439.00	434.00	417.00	65.50	84.70	79.20
1982	36.10	97.90	322.00	1123.0	1166.0	965.00	548.00	269.00	282.00	145.00	69.70	244.00
1983	147.00	354.00	1060.0	477.00	336.00	233.00	996.00	2326.0	218.00	47.60	72.50	23.90
1984	203.00	429.00	527.00	214.00	307.00	862.00	1127.0	559.00	72.00	221.00	24.00	34.20
1985	63.50	424.00	813.00	535.00	616.00	763.00	821.00	422.00	474.00	234.00	166.00	33.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
24.19	60.30	203.00	227.00	304.00	375.00
FIFTIETH PERCENTILE					
56.00	195.00	528.00	389.00	421.00	756.00
SEVENTY FIFTH PERCENTILE					
142.00	377.00	705.00	743.00	772.00	946.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
535.00	302.00	96.70	45.50	47.70	24.10
FIFTIETH PERCENTILE					
808.00	387.00	218.00	80.40	69.70	39.50
SEVENTY FIFTH PERCENTILE					
995.00	551.00	374.00	214.00	200.00	110.00



## 03374000 WHITE RIVER AT PETERSBURG, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976				1	11	11	22	10	38	38	26	34	22	17	17	7	21	23	22	10	9	17	5	3	2					
1977	4	19	19	23	24	21	21	28	33	17	15	16	14	16	23	8	8	12	8	8	13	7								
1978									6	15	19	39	38	30	27	33	26	23	20	20	20	10	9	8	7	5	4	6		
1979									8	16	9	5	14	17	35	36	21	43	23	22	20	23	24	18	4	5	8	14		
1980									7	10	10	36	33	28	24	34	35	32	18	19	19	13	22	15	8	3				
1981					1	6	18	58	35	31	18	12	18	15	15	35	15	18	17	5	10	9	8	3	8	2	5	3		
1982						11	49	25	24	15	13	9	10	13	19	30	21	17	8	17	24	14	8	14	8	9	3	4		
1983				1	11	7	36	30	16	15	6	3	7	19	18	31	19	26	33	14	10	8	9	14	8	8	3	6	5	2
1984				2	9	11	21	13	12	29	12	16	17	12	12	26	17	24	21	17	21	17	18	12	9	8	5	5		
1985						1	21	12	13	18	19	17	19	16	35	32	22	25	18	22	14	14	11	13	10	3	6	4		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20819	100.00	12	3900.0	925	12875	61.84	24	32000.0	521	1848	8.88
1	573.0	41	20819	100.00	13	4600.0	1050	11950	57.40	25	38000.0	401	1327	6.37
2	680.0	148	20778	99.80	14	5500.0	1035	10900	52.36	26	45000.0	264	926	4.45
3	810.0	364	20630	99.09	15	6600.0	937	9865	47.38	27	53000.0	280	662	3.18
4	970.0	706	20266	97.34	16	7800.0	1065	8928	42.88	28	63000.0	171	382	1.83
5	1200.0	636	19560	93.95	17	9300.0	1028	7863	37.77	29	75000.0	117	211	1.01
6	1400.0	615	18924	90.90	18	11000.0	978	6835	32.83	30	90000.0	55	94	0.45
7	1600.0	951	18309	87.94	19	13000.0	1118	5857	28.13	31	110000.0	21	39	0.19
8	1900.0	1099	17358	83.38	20	16000.0	834	4739	22.76	32	130000.0	10	18	0.09
9	2300.0	974	16259	78.10	21	19000.0	649	3905	18.76	33	150000.0	6	8	0.04
10	2700.0	1448	15285	73.42	22	22000.0	680	3256	15.64	34	180000.0	2	2	0.01
11	3300.0	962	13837	66.46	23	26000.0	728	2576	12.37					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	1130.0
P90 =	1460.0
P75 =	2560.0
P70 =	3000.0
P50 =	6020.0
P25 =	14700.0
P10 =	30100.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1929	1220.00 26	1360.00 28	1420.00 29	1460.00 29	1710.00 32	2470.00 42	2950.00 42	3720.00 43	5160.00 41
1930	1380.00 31	1440.00 32	1460.00 31	1480.00 30	1630.00 31	2140.00 35	2640.00 39	3520.00 39	6570.00 48
1931	635.00 3	758.00 7	841.00 9	860.00 9	882.00 9	918.00 6	987.00 5	1020.00 4	1060.00 1
1932	925.00 14	1070.00 18	1110.00 18	1150.00 20	1440.00 26	2690.00 45	2560.00 38	2760.00 32	3430.00 28
1933	1780.00 44	1820.00 45	2010.00 47	2290.00 49	3160.00 51	4370.00 53	5290.00 52	5540.00 51	5990.00 47
1934	1300.00 29	1300.00 27	1360.00 27	1400.00 27	1450.00 27	1710.00 26	1910.00 22	1840.00 18	2350.00 17
1935	950.00 15	970.00 14	990.00 13	1040.00 13	1090.00 14	1260.00 14	1550.00 14	1730.00 16	2180.00 13
1936	920.00 13	940.00 13	999.00 14	1130.00 17	1350.00 24	1610.00 24	2170.00 29	2330.00 25	2920.00 19
1937	666.00 5	683.00 5	692.00 5	727.00 5	810.00 3	863.00 2	1010.00 6	1170.00 8	2340.00 16
1938	2330.00 51	2380.00 51	2530.00 52	2790.00 52	3510.00 54	4260.00 51	4420.00 50	4580.00 49	5370.00 42
1939	1250.00 28	1250.00 26	1270.00 26	1290.00 26	1330.00 22	1580.00 23	2070.00 27	2350.00 26	3940.00 31
1940	800.00 12	833.00 11	901.00 12	955.00 12	1010.00 11	1070.00 10	1110.00 9	1160.00 7	1830.00 10
1941	574.00 2	589.00 2	600.00 2	616.00 1	650.00 1	710.00 1	812.00 1	905.00 1	1120.00 2
1942	573.00 1	586.00 1	598.00 1	640.00 2	876.00 8	964.00 7	1120.00 10	1280.00 9	2090.00 12
1943	1080.00 19	1090.00 19	1110.00 19	1130.00 18	1180.00 16	1440.00 18	1910.00 23	2280.00 24	4250.00 33
1944	1000.00 17	1020.00 16	1040.00 16	1070.00 15	1110.00 15	1320.00 15	1310.00 11	1470.00 11	1640.00 8
1945	741.00 7	755.00 6	768.00 6	797.00 6	856.00 6	1050.00 9	1100.00 8	1300.00 10	1450.00 6
1946	1690.00 42	1730.00 42	1810.00 42	1980.00 44	2120.00 43	3430.00 48	5090.00 51	6650.00 53	8300.00 52
1947	756.00 8	803.00 9	895.00 11	954.00 11	1050.00 12	1210.00 12	1530.00 13	2020.00 20	3020.00 23
1948	1580.00 38	1600.00 38	1640.00 38	1700.00 39	1810.00 37	1810.00 27	1920.00 24	2260.00 23	3510.00 30
1949	1100.00 20	1110.00 20	1130.00 20	1190.00 23	1380.00 25	1630.00 25	1940.00 25	3530.00 40	4300.00 34
1950	1780.00 45	1780.00 43	1790.00 41	1860.00 40	2170.00 45	2960.00 47	3380.00 46	3640.00 41	4480.00 35
1951	2400.00 52	2480.00 52	2510.00 51	2600.00 51	2870.00 50	4290.00 52	5490.00 53	5200.00 50	7430.00 50
1952	1120.00 22	1120.00 22	1130.00 21	1180.00 21	1270.00 20	1520.00 19	1890.00 21	2640.00 30	4240.00 32
1953	1140.00 23	1160.00 23	1170.00 23	1190.00 22	1210.00 18	1340.00 16	1620.00 19	1730.00 17	2270.00 14
1954	777.00 9	784.00 8	799.00 7	808.00 7	816.00 4	864.00 3	939.00 3	952.00 3	1310.00 5
1955	660.00 4	660.00 3	674.00 3	697.00 3	840.00 5	964.00 8	1020.00 7	1110.00 6	1160.00 3

## 03374000 WHITE RIVER AT PETERSBURG, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	1000.00 18	1020.00 17	1050.00 17	1090.00 16	1250.00 19	1850.00 29	3010.00 43	3770.00 44	4730.00 39
1957	990.00 16	990.00 15	1000.00 15	1050.00 14	1090.00 13	1260.00 13	1610.00 17	1880.00 19	2940.00 20
1958	1910.00 47	1910.00 47	1980.00 46	2070.00 46	2320.00 47	2660.00 44	3020.00 44	4270.00 47	10300.00 55
1959	3000.00 54	3000.00 54	3000.00 54	3070.00 54	3330.00 53	4770.00 54	5780.00 54	7060.00 55	10700.00 56
1960	1400.00 32	1400.00 29	1420.00 28	1590.00 34	1930.00 39	2260.00 38	2450.00 36	2760.00 33	3420.00 27
1961	1350.00 30	1400.00 30	1440.00 30	1440.00 28	1450.00 28	1520.00 20	1620.00 18	1670.00 14	1900.00 11
1962	1540.00 37	1540.00 37	1540.00 34	1540.00 32	1600.00 29	1820.00 28	2040.00 26	2400.00 27	3470.00 29
1963	1900.00 46	1900.00 46	1930.00 45	2050.00 45	2160.00 44	2400.00 40	2400.00 34	2560.00 29	2940.00 21
1964	670.00 6	677.00 4	690.00 4	703.00 4	795.00 2	879.00 4	880.00 2	946.00 2	1260.00 4
1965	785.00 10	808.00 10	815.00 8	825.00 8	875.00 7	912.00 5	974.00 4	1080.00 5	1600.00 7
1966	1640.00 41	1680.00 40	1850.00 43	1970.00 43	2000.00 41	2220.00 37	2380.00 33	2730.00 31	3060.00 24
1967	1150.00 24	1170.00 24	1190.00 24	1220.00 24	1350.00 23	1520.00 21	1560.00 15	1640.00 13	2280.00 15
1968	1100.00 21	1110.00 21	1130.00 22	1140.00 19	1200.00 17	1420.00 17	1560.00 16	1730.00 15	2790.00 18
1969	1620.00 39	1640.00 39	1660.00 39	1680.00 38	1780.00 36	2010.00 31	2500.00 37	4110.00 45	5500.00 44
1970	2450.00 53	2520.00 53	2700.00 53	2950.00 53	3260.00 52	3790.00 49	4350.00 49	6290.00 52	6940.00 49
1971	1410.00 33	1470.00 34	1630.00 37	1650.00 36	1720.00 33	2030.00 32	2280.00 31	2530.00 28	2980.00 22
1972	1440.00 35	1460.00 33	1470.00 32	1510.00 31	1630.00 30	1970.00 30	2120.00 28	2180.00 21	3330.00 26
1973	1430.00 34	1490.00 35	1540.00 35	1670.00 37	1880.00 38	2430.00 41	2920.00 41	3390.00 38	5730.00 45
1974	2000.00 50	2020.00 50	2070.00 49	2170.00 48	2250.00 46	2490.00 43	2780.00 40	4510.00 48	7860.00 51
1975	3090.00 56	3260.00 56	3430.00 56	3550.00 56	3930.00 55	5550.00 56	7250.00 56	6850.00 54	9510.00 54
1976	1960.00 49	1980.00 48	2020.00 48	2150.00 47	2370.00 48	2770.00 46	3070.00 45	3270.00 37	4500.00 36
1977	787.00 11	871.00 12	892.00 10	923.00 10	932.00 10	1100.00 11	1320.00 12	1510.00 12	1710.00 9
1978	1930.00 48	1980.00 49	2120.00 50	2340.00 50	2790.00 49	3970.00 50	4300.00 48	4170.00 46	4530.00 37
1979	3040.00 55	3080.00 55	3130.00 55	3300.00 55	4370.00 56	5050.00 55	6920.00 55	7870.00 56	8620.00 53
1980	4570.00 57	4590.00 57	4700.00 57	4860.00 57	5450.00 57	7300.00 57	9890.00 57	14300.00 57	15200.00 57
1981	1240.00 27	1440.00 31	1520.00 33	1580.00 33	1720.00 34	2060.00 33	2220.00 30	2250.00 22	3290.00 25
1982	1620.00 40	1720.00 41	1780.00 40	1870.00 41	1990.00 40	2200.00 36	2450.00 35	2820.00 34	4560.00 38
1983	1740.00 43	1780.00 44	1850.00 44	1890.00 42	2100.00 42	2350.00 39	3580.00 47	3650.00 42	5960.00 46
1984	1150.00 25	1170.00 25	1190.00 25	1220.00 25	1320.00 21	1520.00 22	1880.00 20	2990.00 35	5370.00 43
1985	1470.00 36	1520.00 36	1570.00 36	1630.00 35	1750.00 35	2130.00 34	2370.00 32	3090.00 36	4970.00 40

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1929	73100.00 28	72500.00 28	70300.00 26	60000.00 21	40400.00 30	32000.00 27	30500.00 21	29000.00 15	26900.00 7
1930	134000.00 3	128000.00 4	114000.00 4	94300.00 3	63500.00 4	44600.00 6	37800.00 6	31400.00 9	22900.00 18
1931	18600.00 56	18200.00 56	16200.00 56	13300.00 55	9960.00 55	7940.00 55	6280.00 55	5370.00 55	4680.00 55
1932	84000.00 20	82300.00 20	78700.00 19	69500.00 12	52100.00 9	39400.00 13	31200.00 19	26100.00 21	20400.00 28
1933	114000.00 5	112000.00 5	102000.00 6	76800.00 6	52700.00 8	49400.00 4	44300.00 4	39300.00 3	35400.00 2
1934	25200.00 54	24500.00 54	21300.00 54	15000.00 54	10900.00 54	8430.00 54	6440.00 54	5730.00 54	4860.00 54
1935	48000.00 45	47500.00 45	45000.00 45	42200.00 39	32100.00 42	22900.00 45	21300.00 45	19200.00 43	14600.00 43
1936	37600.00 51	36600.00 51	32700.00 52	27600.00 51	24000.00 50	20600.00 50	16900.00 51	13700.00 52	10300.00 52
1937	182000.00 1	179000.00 1	168000.00 1	144000.00 1	100000.00 1	62100.00 2	44900.00 3	39000.00 4	29400.00 4
1938	71000.00 29	68300.00 29	59800.00 33	56300.00 28	53000.00 7	40700.00 10	31300.00 16	27500.00 17	22200.00 23
1939	102000.00 9	98600.00 9	87900.00 10	64200.00 16	42300.00 25	39900.00 11	37000.00 7	30400.00 11	22700.00 19
1940	77400.00 25	75900.00 25	70700.00 25	54500.00 29	35500.00 37	21200.00 47	17400.00 50	14800.00 49	11000.00 51
1941	20800.00 55	20200.00 55	18200.00 55	12600.00 56	8080.00 57	4900.00 57	4480.00 57	3790.00 57	3190.00 57
1942	59000.00 38	57400.00 37	52200.00 40	36600.00 44	27300.00 45	24700.00 41	22400.00 40	19300.00 41	16500.00 37
1943	97400.00 11	93800.00 11	82100.00 13	66900.00 13	45000.00 20	28200.00 35	31200.00 17	25600.00 23	20500.00 27
1944	91200.00 15	90500.00 14	81200.00 15	61600.00 19	44500.00 21	31400.00 29	24900.00 33	20100.00 38	13900.00 46
1945	105000.00 8	102000.00 8	96700.00 7	76600.00 7	56700.00 6	45500.00 5	35900.00 9	33600.00 5	25100.00 11
1946	45000.00 49	43800.00 49	40300.00 49	31200.00 49	24200.00 49	22200.00 46	21400.00 44	18900.00 44	17500.00 33
1947	60200.00 36	59400.00 36	58600.00 35	49200.00 35	40500.00 28	38200.00 17	32300.00 13	26100.00 22	22400.00 21
1948	75200.00 27	72600.00 27	63400.00 31	50400.00 32	48200.00 16	31500.00 28	25500.00 30	20800.00 35	16000.00 40
1949	110000.00 6	109000.00 6	104000.00 5	93500.00 4	79300.00 3	57200.00 3	47300.00 2	41100.00 2	30300.00 3
1950	138000.00 2	136000.00 2	129000.00 2	119000.00 2	95500.00 2	77400.00 1	61100.00 1	53300.00 1	39700.00 1
1951	69300.00 30	68000.00 30	65400.00 28	56600.00 27	39600.00 32	34500.00 24	31900.00 14	30200.00 12	27600.00 6
1952	76500.00 26	74000.00 26	67700.00 27	57300.00 24	40500.00 29	36200.00 21	33500.00 11	31500.00 8	26200.00 9
1953	40000.00 50	38900.00 50	35200.00 50	27600.00 52	23600.00 51	18600.00 51	17600.00 49	15100.00 48	12500.00 49
1954	12300.00 57	11900.00 57	10900.00 57	10200.00 57	9050.00 56	7140.00 56	6010.00 56	5330.00 56	4230.00 56
1955	45600.00 48	44400.00 48	41600.00 48	35500.00 46	33200.00 39	24800.00 40	20500.00 47	17500.00 47	13800.00 47
1956	60000.00 37	57200.00 38	45800.00 44	39000.00 43	32500.00 41	26600.00 39	23700.00 37	21200.00 33	18200.00 32
1957	84000.00 21	82000.00 21	75200.00 20	56800.00 26	39200.00 34	35500.00 22	31200.00 18	29000.00 16	23100.00 17
1958	90200.00 16	85900.00 17	79300.00 17	65700.00 15	43500.00 23	29900.00 31	24900.00 34	23600.00 29	18900.00 31
1959	97500.00 10	93500.00 12	81100.00 16	59500.00 22	48600.00 13	37000.00 20	29800.00 24	25200.00 25	19900.00 29
1960	57900.00 39	55700.00 42	51000.00 42	39100.00 42	26200.00 48	18800.00 51	15400.00 52	14400.00 51	14800.00 41

## 03374000 WHITE RIVER AT PETERSBURG, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	132000.00	4	129000.00	3	119000.00	3	85700.00	5	60100.00	5	42400.00	7	39400.00	5	32700.00	6	23200.00	16
1962	55000.00	43	54700.00	43	52100.00	41	43200.00	38	36800.00	36	27200.00	37	25400.00	31	21400.00	32	16500.00	38
1963	82500.00	23	81000.00	23	71200.00	23	61700.00	18	51200.00	11	33100.00	26	24800.00	35	19900.00	39	14100.00	45
1964	108000.00	7	104000.00	7	92400.00	8	71000.00	9	45200.00	19	39600.00	12	29300.00	25	23700.00	28	16700.00	36
1965	47500.00	46	46500.00	46	44500.00	46	32400.00	48	27900.00	44	21000.00	48	21700.00	42	18000.00	45	13400.00	48
1966	31800.00	53	31100.00	53	29800.00	53	23200.00	53	18100.00	53	12700.00	53	12600.00	53	11900.00	53	9840.00	53
1967	61400.00	35	60600.00	35	56800.00	36	41600.00	40	29400.00	43	23600.00	43	22700.00	39	19900.00	40	19000.00	30
1968	96000.00	12	94200.00	10	84600.00	12	62000.00	17	39600.00	33	27700.00	36	26500.00	29	23100.00	31	21400.00	25
1969	94600.00	13	92900.00	13	84900.00	11	66600.00	14	51900.00	10	35200.00	23	27100.00	28	25400.00	24	20800.00	26
1970	51200.00	44	50200.00	44	46100.00	43	35800.00	45	26600.00	46	23800.00	42	22000.00	41	20900.00	34	16900.00	35
1971	63500.00	34	62600.00	34	59100.00	34	49600.00	34	37200.00	35	26800.00	38	20800.00	46	17600.00	46	14300.00	44
1972	66900.00	32	66300.00	32	64600.00	29	61000.00	20	43200.00	24	29300.00	33	24900.00	32	20700.00	36	17100.00	34
1973	57800.00	40	56400.00	39	55700.00	37	49800.00	33	43800.00	22	38300.00	16	29900.00	23	26900.00	19	25600.00	10
1974	57400.00	41	56000.00	40	52400.00	38	45900.00	37	33000.00	40	28700.00	34	28700.00	34	27000.00	18	24400.00	14
1975	78700.00	24	77400.00	24	71100.00	24	53900.00	30	46600.00	18	38800.00	14	34900.00	10	32200.00	7	26700.00	8
1976	46400.00	47	45500.00	47	41900.00	47	32900.00	47	26600.00	47	22900.00	44	21400.00	43	19200.00	42	14700.00	42
1977	33700.00	52	33300.00	52	32700.00	51	29900.00	50	22700.00	52	20700.00	49	17800.00	48	14500.00	50	11100.00	50
1978	87400.00	17	86100.00	16	81500.00	14	69700.00	11	48300.00	15	33900.00	25	30300.00	22	25000.00	26	21900.00	24
1979	85000.00	18	82700.00	18	79000.00	18	73400.00	8	50500.00	12	41500.00	9	32900.00	12	29600.00	13	27800.00	5
1980	56500.00	42	55800.00	41	52300.00	39	41400.00	41	34800.00	38	29400.00	32	23700.00	38	23500.00	30	22300.00	22
1981	65000.00	33	64000.00	33	62100.00	32	53100.00	31	42100.00	26	31000.00	30	24300.00	36	20200.00	37	16000.00	39
1982	83800.00	22	82500.00	19	74300.00	21	58200.00	23	46700.00	17	42100.00	8	36600.00	8	31100.00	10	24500.00	13
1983	91200.00	14	90100.00	15	88200.00	9	70100.00	10	48400.00	14	37600.00	19	29000.00	26	24000.00	27	23500.00	15
1984	68000.00	31	67400.00	31	64000.00	30	49000.00	36	40100.00	31	37800.00	18	30600.00	20	26300.00	20	22500.00	20
1985	84500.00	19	81100.00	22	73600.00	22	57200.00	25	40500.00	27	38700.00	15	31800.00	15	29300.00	14	24700.00	12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1929	12900.00	35
1930	19000.00	54
1931	2730.00	1
1932	11800.00	32
1933	14800.00	38
1934	10800.00	25
1935	4740.00	3
1936	9210.00	21
1937	15200.00	41
1938	12600.00	34
1939	13900.00	37
1940	7620.00	11
1941	4940.00	4
1942	6370.00	6
1943	10900.00	26
1944	8720.00	18
1945	11300.00	29
1946	15900.00	46
1947	8150.00	13
1948	13100.00	36
1949	19400.00	55
1950	19700.00	56
1951	18500.00	52
1952	15500.00	42
1953	8310.00	15
1954	4590.00	2
1955	6440.00	7
1956	10500.00	23
1957	8290.00	14
1958	17500.00	50
1959	18000.00	51
1960	8400.00	16
1961	9390.00	22
1962	14900.00	39
1963	8850.00	19
1964	7140.00	9
1965	8720.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1929	16100.00	10
1930	12500.00	28
1931	3140.00	55
1932	12800.00	25
1933	20600.00	3
1934	3670.00	54
1935	8640.00	44
1936	5930.00	53
1937	17400.00	5
1938	14600.00	16
1939	12800.00	26
1940	6070.00	51
1941	2140.00	57
1942	10100.00	37
1943	12100.00	31
1944	7700.00	48
1945	13800.00	19
1946	12000.00	32
1947	13300.00	23
1948	9560.00	39
1949	17400.00	6
1950	22800.00	1
1951	16400.00	9
1952	15400.00	13
1953	7440.00	49
1954	2620.00	56
1955	8020.00	46
1956	12400.00	29
1957	13300.00	24
1958	16500.00	7
1959	12300.00	30
1960	9790.00	38
1961	12600.00	27
1962	10400.00	35
1963	8230.00	45
1964	8910.00	42
1965	7820.00	47

## 03374000 WHITE RIVER AT PETERSBURG, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	7140.00	10
1967	9030.00	20
1968	10800.00	24
1969	15500.00	43
1970	11400.00	30
1971	10900.00	27
1972	6920.00	8
1973	15800.00	45
1974	16300.00	47
1975	18700.00	53
1976	12300.00	33
1977	5030.00	5
1978	11800.00	31
1979	17100.00	49
1980	20000.00	57
1981	8020.00	12
1982	16800.00	48
1983	11200.00	28
1984	15100.00	40
1985	15500.00	44

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1966	6000.00	52
1967	11100.00	33
1968	13400.00	21
1969	13400.00	22
1970	10700.00	34
1971	8830.00	43
1972	10100.00	36
1973	17800.00	4
1974	15900.00	11
1975	16400.00	8
1976	9200.00	41
1977	6610.00	50
1978	15200.00	14
1979	20800.00	2
1980	15200.00	15
1981	9360.00	40
1982	14400.00	17
1983	13900.00	18
1984	13700.00	20
1985	15400.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1928	*	*	*	*	*	*	18090.0	9437.0	17840.0	10990.0	3851.0	2242.0
1929	2931.0	6148.0	9801.0	27280.0	17990.0	28460.0	23860.0	38270.0	15470.0	16640.0	3559.0	2446.0
1930	1966.0	6480.0	17280.0	61350.0	22310.0	18110.0	11660.0	4880.0	2422.0	1575.0	1021.0	1245.0
1931	991.00	897.00	1106.0	1095.0	1388.0	4492.0	9958.0	4096.0	2208.0	3967.0	1478.0	6029.0
1932	3744.0	7975.0	19990.0	48180.0	24100.0	10320.0	9042.0	6560.0	3509.0	10600.0	4949.0	4430.0
1933	6655.0	13570.0	15760.0	43290.0	22170.0	36840.0	41910.0	50910.0	8912.0	3182.0	2299.0	1553.0
1934	2540.0	1667.0	4015.0	3094.0	1864.0	7522.0	8963.0	2616.0	3532.0	2353.0	3736.0	1954.0
1935	1894.0	1192.0	2339.0	7148.0	3207.0	17740.0	11090.0	31040.0	13730.0	7275.0	4228.0	2088.0
1936	1371.0	3202.0	2747.0	4750.0	8589.0	20210.0	18440.0	6919.0	2085.0	1333.0	870.00	878.00
1937	2871.0	13560.0	2747.0	86180.0	36940.0	10730.0	15890.0	21470.0	6427.0	3887.0	5066.0	4401.0
1938	9024.0	3854.0	16670.0	8607.0	19190.0	36760.0	37340.0	9950.0	11910.0	13380.0	6938.0	2518.0
1939	1440.0	2928.0	2646.0	8915.0	31550.0	38820.0	40460.0	8653.0	9218.0	5062.0	4578.0	1732.0
1940	1156.0	1195.0	1064.0	2232.0	8974.0	7896.0	28830.0	12240.0	5479.0	2137.0	1259.0	918.00
1941	653.00	894.00	1549.0	1771.0	2245.0	1597.0	3767.0	1597.0	7817.0	1930.0	961.00	1051.0
1942	1388.0	4323.0	5242.0	5895.0	21960.0	21750.0	23320.0	10520.0	15410.0	7211.0	3113.0	2581.0
1943	1283.0	5154.0	6665.0	9461.0	11650.0	34470.0	12230.0	40900.0	12290.0	5275.0	3540.0	2267.0
1944	1165.0	1493.0	1285.0	1956.0	4159.0	17560.0	42900.0	12680.0	4343.0	1554.0	1910.0	1854.0
1945	1025.0	1158.0	1279.0	3143.0	8442.0	55340.0	32910.0	15950.0	29400.0	7405.0	4356.0	4663.0
1946	12310.0	10820.0	11380.0	18490.0	22260.0	21570.0	7505.0	22710.0	8737.0	4148.0	3378.0	1403.0
1947	1058.0	2626.0	6864.0	17810.0	14090.0	7666.0	29740.0	34510.0	30850.0	6777.0	5288.0	3390.0
1948	1979.0	1814.0	2027.0	9862.0	10610.0	20870.0	41520.0	9688.0	3674.0	7797.0	3371.0	1907.0
1949	1386.0	10720.0	16740.0	70920.0	42890.0	23650.0	18130.0	6326.0	8439.0	4331.0	4129.0	2706.0
1950	5396.0	2682.0	9779.0	86440.0	67080.0	23770.0	34890.0	14610.0	13260.0	5968.0	2909.0	9645.0
1951	3943.0	20090.0	25020.0	31450.0	32440.0	29530.0	25970.0	11000.0	5539.0	8603.0	3230.0	1718.0
1952	1453.0	5876.0	26180.0	25180.0	37780.0	34440.0	25050.0	9163.0	10560.0	5340.0	1989.0	2247.0
1953	1396.0	1315.0	3274.0	9005.0	7836.0	22680.0	13810.0	15380.0	4975.0	5830.0	2397.0	1138.0
1954	871.00	884.00	1108.0	1659.0	2876.0	4124.0	8833.0	4787.0	3126.0	1118.0	1096.0	1073.0
1955	1214.0	1175.0	1883.0	9273.0	11360.0	32430.0	15910.0	7309.0	6687.0	5271.0	2242.0	1548.0
1956	6183.0	17710.0	7430.0	3400.0	28700.0	24360.0	18290.0	9180.0	21330.0	8224.0	2946.0	2646.0
1957	1282.0	1300.0	5209.0	8106.0	12550.0	9219.0	38670.0	28760.0	23190.0	23940.0	4822.0	2910.0
1958	2540.0	10560.0	36680.0	19900.0	7615.0	9571.0	10440.0	23710.0	24480.0	25620.0	19090.0	6444.0
1959	4328.0	8064.0	9450.0	28510.0	35780.0	20600.0	13220.0	12580.0	8453.0	3050.0	3678.0	2147.0
1960	2395.0	4098.0	8302.0	12910.0	20360.0	10200.0	10620.0	8460.0	16850.0	18310.0	3397.0	2024.0
1961	1495.0	1560.0	1882.0	2116.0	4734.0	40600.0	21290.0	53820.0	11940.0	4638.0	4080.0	2117.0
1962	1843.0	2436.0	5926.0	17460.0	17070.0	35720.0	12170.0	9084.0	6030.0	9394.0	3634.0	4453.0
1963	2492.0	2646.0	2175.0	3070.0	2888.0	47300.0	16840.0	8630.0	5125.0	3039.0	2372.0	1432.0
1964	930.00	921.00	861.00	1471.0	1967.0	41620.0	30080.0	14240.0	7160.0	4576.0	1705.0	1124.0
1965	914.00	916.00	1479.0	4885.0	20710.0	18130.0	23240.0	9569.0	3960.0	4963.0	2319.0	4071.0
1966	2637.0	2136.0	2393.0	8801.0	14570.0	7926.0	9017.0	15950.0	3420.0	2275.0	1675.0	1724.0
1967	1425.0	3609.0	26480.0	8330.0	12610.0	21650.0	16990.0	27540.0	7444.0	2918.0	2260.0	1298.0
1968	1536.0	1898.0	19250.0	8668.0	26410.0	13820.0	24710.0	23830.0	24720.0	5994.0	8516.0	2751.0
1969	1872.0	3639.0	12650.0	28250.0	41790.0	9413.0	22840.0	12070.0	7663.0	13580.0	6935.0	3453.0
1970	4863.0	10600.0	8927.0	7473.0	20480.0	19180.0	24290.0	18310.0	7663.0	3220.0	2957.0	1828.0
1971	2430.0	3520.0	5655.0	9083.0	28750.0	24930.0	6364.0	8776.0	8003.0	4295.0	3200.0	2387.0
1972	2340.0	1689.0	8710.0	11770.0	7348.0	17870.0	39950.0	15940.0	7142.0	3858.0	2875.0	2278.0
1973	4724.0	22870.0	22800.0	17840.0	15130.0	34480.0	38530.0	14260.0	15930.0	16030.0	8028.0	2943.0
1974	2602.0	5743.0	14680.0	30950.0	21680.0	25010.0	27070.0	18760.0	21620.0	7346.0	4570.0	11550.0
1975	5550.0	13290.0	16800.0	24810.0	29500.0	44150.0	27170.0	17410.0	9151.0	3804.0	3443.0	3021.0



## 03374000 WHITE RIVER AT PETERSBURG, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1976	3113.0	4560.0	13550.0	20910.0	25040.0	17350.0	6882.0	3905.0	4747.0	5902.0	3111.0	1729.0
1977	1705.0	2006.0	1594.0	981.00	5556.0	22180.0	18160.0	10430.0	3391.0	5319.0	5029.0	2844.0
1978	6323.0	5480.0	29320.0	8517.0	4718.0	40830.0	21070.0	25430.0	8775.0	10090.0	10160.0	9983.0
1979	5993.0	7191.0	19500.0	24290.0	17540.0	44410.0	31220.0	13620.0	10600.0	22410.0	39590.0	11850.0
1980	5715.0	15640.0	28900.0	18340.0	11210.0	29560.0	27350.0	12550.0	13670.0	7602.0	7917.0	3895.0
1981	2378.0	2247.0	2734.0	1741.0	7872.0	6716.0	13800.0	31360.0	25460.0	8746.0	5665.0	3718.0
1982	2025.0	2626.0	5894.0	21660.0	46940.0	35820.0	20980.0	9811.0	12870.0	7592.0	3237.0	5931.0
1983	2562.0	4586.0	25810.0	19850.0	12110.0	8777.0	26760.0	47130.0	10190.0	5056.0	2233.0	1537.0
1984	5736.0	9348.0	21800.0	7326.0	14220.0	29790.0	39520.0	20630.0	5994.0	5057.0	2640.0	1993.0
1985	2836.0	11860.0	20450.0	21440.0	20070.0	33560.0	36100.0	16400.0	8485.0	4615.0	6245.0	3115.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1387.00	1678.00	2366.00	4818.00	7854.00	10530.00
FIFTIETH PERCENTILE					
2340.00	3609.00	7430.00	9273.00	15130.00	21750.00
SEVENTY FIFTH PERCENTILE					
3844.00	8020.00	17040.00	22980.00	24570.00	34460.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
12220.00	9007.00	5391.00	3845.00	2314.00	1723.00
FIFTIETH PERCENTILE					
21180.00	12630.00	8469.00	5297.00	3388.00	2273.00
SEVENTY FIFTH PERCENTILE					
29830.00	21780.00	13690.00	8319.00	4854.00	3519.00

03374455 PATOKA RIVER NEAR HARDINSBURG, IN

LOCATION.--Lat 38°26'41", long 86°23'14", in NW¼SE¼ sec.10, T.1 S., R.1 E., Orange County, Hydrologic Unit 05120209, on downstream edge of center pier of county road bridge, 0.3 mi downstream from Fudge Creek, 0.7 mi northeast of Valeene, 6.0 mi southwest of Hardinsburg, and at mile 158.0.

DRAINAGE AREA.--12.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1968 to September 1985.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 606.89 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 26.2 ft<sup>3</sup>/s, 27.79 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,270 ft<sup>3</sup>/s July 26, 1979, gage height, 11.35 ft; no flow for several days in 1971, 1972, 1975, 1983, 1984.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969											2	43	28	22	18	22	20	30	31	17	24	28	19	21	12	7	8	5	1	3	2	2			
1970										4	35	36	32	11	17	23	20	19	18	16	33	21	20	15	15	7	9	4	5	3	2				
1971	4			1	1		7	4	2	2	10	13	24	20	11	30	23	30	38	26	24	20	23	17	13	7	4	5	4	1	1				
1972	15	2		3	4	2	5	9	11	34	23	16	23	18	10	14	7	15	23	21	22	27	18	13	11	3	5	4	1	5	1	1			
1973				2	8	6	2	7	4	17	8	7	6	4	13	18	12	31	30	22	32	24	26	24	20	14	11	6	4	1	4	1	1		
1974											30	27	22	17	21	12	17	18	15	19	31	23	33	20	16	14	13	10	5	2					
1975	2	1	1	2	4	1	4	5	12	7	19	14	7	13	8	21	18	11	11	13	23	46	42	29	18	17	2	2	4	3	2	1	2		
1976								1	3	6	18	13	21	18	14	23	34	29	21	38	37	31	12	12	10	5	7	5	3	2		3			
1977									2	13	16	45	20	40	35	28	22	16	14	21	19	19	16	14	7	7	3	3	3	2					
1978													10	24	32	24	35	52	31	40	19	21	23	16	10	11	6	4	2	2	2	1			
1979													8	40	38	31	22	19	30	34	36	26	19	18	11	7	10	4	3	3	3	2	1		
1980								3	20	10	9	5	10	14	18	37	17	18	23	25	39	30	25	20	11	11	6	5	4	4	1	1			
1981							1	18	13	6	8	33	36	38	33	25	24	26	13	21	20	14	12	8	3	6	2	2	1	2					
1982								2	3	5	9	13	19	17	30	34	27	22	21	30	35	28	19	18	9	7	4	3	3	6		1			
1983	42					7	4	10	7	8	7	6	9	12	17	19	14	12	17	22	34	22	14	20	18	10	10	11	2	4	3	2	2		
1984	13		3	1	2	6	5	4	9	8	18	10	15	16	10	8	10	27	28	23	30	26	26	20	19	7	8	8	3	1	2				
1985											5	8	19	29	20	22	34	35	28	26	24	26	23	16	21	9	5	3	6	3		2	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	76	6209	100.00	12	0.67	310	5331	85.86	24	45.0	253	784	12.63
1	0.01	3	6133	98.78	13	0.96	289	5021	80.87	25	65.0	154	531	8.55
2	0.02	4	6130	98.73	14	1.4	331	4732	76.21	26	92.0	122	377	6.07
3	0.03	9	6126	98.66	15	1.9	409	4401	70.88	27	130.0	93	255	4.11
4	0.04	19	6117	98.52	16	2.8	367	3992	64.29	28	190.0	57	162	2.61
5	0.06	22	6098	98.21	17	3.9	407	3625	58.38	29	260.0	45	105	1.69
6	0.08	28	6076	97.86	18	5.5	405	3218	51.83	30	370.0	31	60	0.97
7	0.12	61	6048	97.41	19	7.9	385	2813	45.31	31	530.0	18	29	0.47
8	0.17	83	5987	96.42	20	11.0	498	2428	39.10	32	750.0	10	11	0.18
9	0.24	107	5904	95.09	21	16.0	447	1930	31.08	33	1100.0	1	1	0.02
10	0.33	210	5797	93.36	22	23.0	387	1483	23.88	34				
11	0.48	256	5587	89.98	23	32.0	312	1096	17.65					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.24  
P90 = 0.48  
P75 = 1.5  
P70 = 2.0  
P50 = 6.2  
P25 = 21.9  
P10 = 57.9

## 03374455 PATOKA RIVER NEAR HARDINSBURG, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	0.40 11	0.42 11	0.43 11	0.45 10	0.51 10	0.53 7	1.40 10	2.10 9	4.40 8
1971	0.00 1	0.00 1	0.03 5	0.21 6	0.36 6	0.82 9	0.97 8	1.50 7	4.30 7
1972	0.05 6	0.08 6	0.11 6	0.22 7	0.37 7	0.57 8	0.63 6	0.84 5	1.40 3
1973	0.00 2	0.00 2	0.00 1	0.00 1	0.05 2	0.09 1	0.21 2	0.39 2	1.30 2
1974	0.24 10	0.24 8	0.26 8	0.27 8	0.37 8	0.41 5	0.53 4	3.50 10	15.00 15
1975	0.58 14	0.60 14	0.68 14	0.80 14	1.60 15	1.70 12	2.60 11	5.20 11	9.30 12
1976	0.00 3	0.00 3	0.02 4	0.15 5	0.21 5	0.43 6	0.58 5	0.68 4	3.50 6
1977	0.22 9	0.27 9	0.32 9	0.36 9	0.43 9	1.10 10	1.10 9	1.80 8	2.20 4
1978	0.48 13	0.50 13	0.56 13	0.63 12	0.93 12	4.10 15	3.60 13	12.00 15	11.00 13
1979	1.00 15	1.10 15	1.10 15	1.19 15	1.50 14	2.00 14	3.10 12	7.40 14	8.20 11
1980	1.10 16	1.10 16	1.19 16	1.60 16	2.30 16	4.90 16	5.20 15	23.00 16	26.00 16
1981	0.10 7	0.12 7	0.13 7	0.13 4	0.19 4	0.26 4	0.35 3	0.48 3	0.78 1
1982	0.45 12	0.48 12	0.53 12	0.67 13	1.10 13	1.50 11	4.10 14	6.60 12	7.60 10
1983	0.19 8	0.31 10	0.40 10	0.51 11	0.58 11	1.80 13	6.60 16	7.20 13	14.00 14
1984	0.00 4	0.00 4	0.00 2	0.00 2	0.02 1	0.09 2	0.14 1	0.31 1	4.50 9
1985	0.00 5	0.00 5	0.00 3	0.02 3	0.08 3	0.25 3	0.75 7	1.19 6	3.10 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	574.00 11	400.00 10	217.00 9	144.00 7	88.00 9	63.00 13	49.00 14	47.00 13	44.00 9
1970	504.00 12	352.00 11	198.00 12	108.00 12	80.00 12	78.00 7	61.00 7	56.00 7	43.00 10
1971	495.00 13	263.00 15	145.00 15	107.00 13	75.00 14	53.00 16	46.00 16	43.00 15	35.00 15
1972	652.00 9	428.00 8	295.00 3	188.00 4	104.00 6	88.00 3	67.00 6	54.00 10	39.00 13
1973	750.00 7	402.00 9	217.00 10	157.00 5	108.00 4	92.00 2	69.00 5	59.00 5	50.00 6
1974	343.00 16	198.00 16	135.00 16	103.00 15	74.00 15	60.00 14	59.00 8	55.00 8	45.00 8
1975	953.00 4	481.00 6	235.00 7	141.00 8	102.00 7	84.00 5	78.00 2	72.00 1	56.00 3
1976	719.00 8	337.00 12	211.00 11	110.00 11	91.00 8	74.00 8	59.00 9	49.00 11	39.00 14
1977	492.00 14	306.00 14	152.00 14	100.00 16	73.00 16	68.00 12	59.00 10	45.00 14	34.00 16
1978	805.00 6	503.00 5	289.00 4	156.00 6	122.00 2	69.00 11	58.00 12	55.00 9	53.00 5
1979	1770.00 1	836.00 1	406.00 1	203.00 2	106.00 5	86.00 4	71.00 4	68.00 3	59.00 2
1980	601.00 10	446.00 7	229.00 8	116.00 10	77.00 13	59.00 15	48.00 15	42.00 16	42.00 11
1981	277.00 17	178.00 17	109.00 17	61.00 17	42.00 17	35.00 17	27.00 17	22.00 17	17.00 17
1982	1070.00 2	538.00 4	272.00 5	191.00 3	114.00 3	82.00 6	72.00 3	67.00 4	54.00 4
1983	985.00 3	682.00 2	402.00 2	272.00 1	170.00 1	117.00 1	84.00 1	70.00 2	68.00 1
1984	456.00 15	337.00 13	167.00 13	104.00 14	85.00 10	74.00 9	59.00 11	48.00 12	42.00 12
1985	880.00 5	547.00 3	254.00 6	132.00 9	80.00 11	71.00 10	52.00 13	56.00 6	46.00 7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	22.00 4
1971	25.00 5
1972	16.00 3
1973	27.00 8
1974	32.00 11
1975	32.00 12
1976	26.00 6
1977	14.00 2
1978	33.00 13
1979	34.00 14
1980	38.00 16
1981	8.70 1
1982	29.00 9
1983	27.00 7
1984	34.00 15
1985	29.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	24.00 10
1970	23.00 11
1971	19.00 16
1972	20.00 14
1973	33.00 3
1974	26.00 8
1975	31.00 4
1976	23.00 12
1977	20.00 15
1978	31.00 5
1979	44.00 1
1980	25.00 9
1981	10.00 17
1982	31.00 6
1983	36.00 2
1984	23.00 13
1985	28.00 7

## WABASH RIVER BASIN

03374455 PATOKA RIVER NEAR HARDINSBURG, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	0.62	6.08	44.70	73.40	21.80	17.10	50.10	50.80	13.40	6.36	2.85	2.84
1970	0.56	6.94	8.54	13.60	26.60	77.10	76.80	18.90	43.20	1.14	1.66	0.56
1971	3.08	13.70	18.90	25.00	77.40	29.50	17.40	40.80	2.94	1.56	2.04	0.99
1972	0.37	1.03	12.60	15.40	35.70	59.70	102.00	10.40	0.92	0.92	0.44	0.09
1973	0.12	8.62	49.90	28.20	15.50	101.00	79.60	21.30	29.50	43.00	11.50	0.37
1974	0.45	19.30	24.70	66.70	24.10	57.30	54.90	33.70	12.60	1.74	2.92	13.10
1975	3.39	27.20	30.20	50.20	76.80	84.40	67.60	28.40	5.74	0.64	0.74	0.43
1976	3.72	12.30	45.30	66.40	62.00	17.40	6.79	27.80	25.60	2.74	1.35	1.26
1977	3.67	3.77	2.40	0.88	28.10	65.00	63.20	22.80	3.16	5.05	33.40	10.30
1978	11.60	53.80	79.20	14.10	6.92	86.90	34.90	48.50	9.58	19.00	7.56	2.44
1979	2.53	29.20	77.90	56.90	76.30	39.70	71.50	12.50	47.50	89.60	15.40	7.20
1980	2.55	77.30	30.30	34.20	15.00	55.30	35.20	28.60	2.36	18.10	0.57	0.35
1981	0.25	1.78	1.17	0.61	7.05	8.80	34.10	32.40	9.10	1.39	4.63	18.90
1982	5.52	8.15	35.40	107.00	37.20	54.50	45.40	34.00	25.90	2.89	4.77	12.80
1983	9.17	37.50	84.10	23.00	20.10	18.80	90.70	138.00	4.51	0.26	0.11	0.16
1984	11.40	39.70	23.70	7.83	20.50	66.00	70.80	29.70	1.55	1.98	0.33	1.33
1985	1.58	24.40	57.80	25.20	58.10	71.90	19.80	29.00	29.10	5.12	13.60	1.29

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.51	6.51	15.70	13.90	17.80	24.10
FIFTIETH PERCENTILE					
2.55	13.70	30.30	25.19	26.60	57.30
SEVENTY FIFTH PERCENTILE					
4.62	33.30	53.80	61.60	60.00	74.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
34.50	22.00	3.05	1.26	0.66	0.40
FIFTIETH PERCENTILE					
54.90	29.00	9.58	2.74	2.85	1.29
SEVENTY FIFTH PERCENTILE					
74.10	37.40	27.50	12.20	9.53	8.75

## 03374500 PATOKA RIVER NEAR CUZCO, IN

LOCATION.--Lat 38°26'30", long 86°43'01", in SW¼SW¼ sec.11, T.1 S., R.3 W., Dubois County, Hydrologic Unit 05120209, on right bank 200 ft upstream from bridge on Cuzco Road South, 2.3 mi south of Cuzco, Indiana, 0.7 mi downstream from Patoka Lake, 4.5 mi upstream from Dillon Creek, and at mile 117.8.

DRAINAGE AREA.--170 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1961 to September 1985.

GAGE.--Data-Collection Platform. Datum of gage is 477.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1961, nonrecording gage on downstream side of bridge, 1.7 mi downstream at same datum. Oct. 1, 1961 to Sept. 30, 1981, water-stage recorder at site described above. Prior to October 1979, published as "near Ellsworth". July 25, 1985, Data-Collection Platform at site described in "LOCATION" paragraph.

REMARKS.--Flow regulated by Patoka Lake. Daily discharge computed from relation between discharge, head, and gate openings for Patoka Lake beginning Oct. 1, 1981.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1981.

AVERAGE DISCHARGE.--24 years, 230 ft<sup>3</sup>/s, 18.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft<sup>3</sup>/s Mar. 10, 1964, gage height, 20.02 ft; no flow Oct. 30, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 19.1 ft according to information by local resident, discharge, 12,300 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1962					1	5	13	13	12	20	12	15	20	6	9	13	14	12	20	22	22	30	31	20	13	17	2	6	7	2	3	4	1			
1963					3	6	18	6	9	15	15	19	20	26	21	13	28	33	33	25	16	14	8	9	9	4	3	2	4	4	2					
1964	1	15		8	18	19	40	32	6	15	11	6	9	19	22	17	13	12	13	8	9	7	14	13	10	6	3	6	6	1	1	1	2	2	1	
1965				18	16	14	5	10	16	18	12	15	22	10	9	9	14	6	13	10	19	21	28	27	13	15	9	4	8	4						
1966					1	4	4	11	18	25	14	11	14	33	25	29	22	16	8	19	21	17	22	9	8	4	5	9	11	5						
1967	2	6		13	17	12	15	9	12	22	19	13	14	15	14	20	20	21	25	19	10	16	10	9	8	7	10	4	2	1						
1968			2	2	3	5	1	3	4	5	14	13	9	30	19	33	37	30	14	17	18	17	22	14	17	11	15	11								
1969					3	4	9	12	12	13	9	5	14	20	18	22	27	35	32	21	23	16	12	17	14	7	8	8	2	2						
1970										1	8	19	23	24	34	20	18	8	22	19	25	23	31	21	18	14	10	11	11	3	2					
1971										3	6	15	8	16	25	14	23	21	36	37	37	30	22	19	9	15	11	13	5							
1972		2	4		12	3	5	7	6	6	25	26	31	6	25	19	9	15	21	28	18	18	14	18	13	9	11	10	3	2						
1973					4	3	7	22	11	14	1	3	6	9	8	7	11	17	37	36	34	18	21	19	23	24	13	13	4							
1974					6	4	8	10	3	13	18	23	12	7	13	9	8	13	22	25	29	30	32	19	11	19	19	12								
1975			1						1		3	2	23	19	21	12	16	20	14	13	18	28	44	41	27	19	9	15	10	3	2	3	1			
1976										2	5	7	7	18	15	13	44	28	28	21	44	31	18	9	10	20	19	24	3							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1	5479	100.00	12	4.2	214	4591	83.79	24	250.0	259	1148	20.95
1	0.10	17	5478	99.98	13	5.9	217	4377	79.89	25	350.0	210	889	16.23
2	0.14	2	5461	99.67	14	8.4	253	4160	75.93	26	500.0	179	679	12.39
3	0.20	32	5459	99.63	15	12.0	261	3907	71.31	27	700.0	157	500	9.13
4	0.28	41	5427	99.05	16	17.0	241	3646	66.54	28	980.0	170	343	6.26
5	0.39	58	5386	98.30	17	23.0	287	3405	62.15	29	1400.0	109	173	3.16
6	0.55	110	5328	97.24	18	33.0	279	3118	56.91	30	1900.0	36	64	1.17
7	0.77	107	5218	95.24	19	46.0	304	2839	51.82	31	2700.0	16	28	0.51
8	1.1	91	5111	93.28	20	64.0	338	2535	46.27	32	3800.0	8	12	0.22
9	1.5	141	5020	91.62	21	91.0	376	2197	40.10	33	5400.0	3	4	0.07
10	2.1	129	4879	89.05	22	130.0	346	1821	33.24	34	7600.0	1	1	0.02
11	3.0	159	4750	86.69	23	180.0	327	1475	26.92					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.81  
P90 = 1.9  
P75 = 9.1  
P70 = 13.4  
P50 = 51.9  
P25 = 202.0  
P10 = 646.0

## WABASH RIVER BASIN

03374500 PATOKA RIVER NEAR CUZCO, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1963	0.30 5	0.37 5	0.43 5	0.74 6	1.30 6	3.90 8	5.00 6	5.60 5	9.40 3
1964	0.00 1	0.07 1	0.09 1	0.09 1	0.17 1	0.32 1	0.45 1	0.59 1	2.70 1
1965	0.20 4	0.20 3	0.20 2	0.21 2	0.24 2	0.38 2	0.51 2	0.79 2	12.00 4
1966	0.90 10	1.00 8	1.19 8	1.30 8	1.50 8	4.00 9	23.00 12	22.00 8	35.00 8
1967	0.10 2	0.15 2	0.23 3	0.41 3	0.50 3	1.00 3	1.90 3	2.10 3	6.00 2
1968	0.36 6	0.42 6	0.50 6	0.60 5	0.76 4	3.80 7	5.50 7	5.80 6	14.00 5
1969	0.85 9	1.00 9	1.19 9	1.70 9	2.00 9	3.40 6	8.50 8	20.00 7	44.00 9
1970	3.50 14	3.90 14	4.90 14	6.90 13	11.00 13	13.00 10	43.00 14	66.00 13	100.00 12
1971	2.70 12	3.10 12	3.80 12	4.40 11	5.00 10	13.00 11	12.00 9	23.00 9	57.00 10
1972	2.50 11	2.80 11	3.40 11	4.20 10	10.00 12	17.00 12	21.00 10	24.00 11	33.00 7
1973	0.18 3	0.24 4	0.43 4	0.54 4	0.85 5	1.10 4	2.70 4	4.00 4	17.00 6
1974	0.56 8	0.69 7	0.83 7	1.10 7	1.40 7	2.00 5	3.40 5	23.00 10	120.00 13
1975	3.50 13	3.50 13	4.50 13	5.70 12	6.80 11	17.00 13	41.00 13	74.00 14	127.00 14
1976	0.50 7	1.90 10	3.20 10	7.70 14	12.00 14	22.00 14	23.00 11	26.00 12	68.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1962	4280.00 3	3370.00 4	2370.00 5	1360.00 7	858.00 7	722.00 6	598.00 6	494.00 8	361.00 10
1963	3580.00 5	3010.00 5	1770.00 8	1410.00 4	1100.00 2	609.00 9	439.00 13	343.00 15	246.00 15
1964	13500.00 1	9110.00 1	5720.00 1	3330.00 1	1780.00 1	1080.00 1	739.00 2	569.00 3	384.00 8
1965	1890.00 11	1760.00 12	1440.00 11	799.00 15	752.00 11	492.00 13	412.00 15	362.00 14	253.00 14
1966	2620.00 9	2380.00 9	1670.00 9	1020.00 10	767.00 10	475.00 14	505.00 11	448.00 10	349.00 11
1967	2790.00 8	2560.00 8	1820.00 6	1250.00 8	822.00 8	512.00 11	476.00 12	385.00 12	295.00 13
1968	1820.00 12	1770.00 11	1400.00 12	943.00 13	729.00 12	505.00 12	514.00 10	419.00 11	404.00 7
1969	4220.00 4	3710.00 3	2380.00 4	1610.00 3	1040.00 3	709.00 7	571.00 7	533.00 6	479.00 3
1970	3050.00 7	2710.00 7	1780.00 7	1070.00 9	781.00 9	751.00 5	619.00 5	550.00 5	437.00 6
1971	1750.00 14	1580.00 14	1120.00 15	925.00 14	668.00 15	475.00 15	434.00 14	379.00 13	332.00 12
1972	3370.00 6	2920.00 6	2400.00 3	1740.00 2	1010.00 5	862.00 2	689.00 3	573.00 2	447.00 4
1973	2130.00 10	2040.00 10	1590.00 10	1370.00 5	956.00 6	812.00 4	641.00 4	561.00 4	489.00 2
1974	1770.00 13	1710.00 13	1300.00 14	999.00 11	688.00 13	554.00 10	557.00 9	519.00 7	442.00 5
1975	5450.00 2	4260.00 2	2600.00 2	1370.00 6	1040.00 4	851.00 3	826.00 1	739.00 1	619.00 1
1976	1490.00 15	1460.00 15	1390.00 13	974.00 12	686.00 14	624.00 8	558.00 8	476.00 9	364.00 9

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1963	140.00 1
1964	172.00 5
1965	147.00 3
1966	140.00 2
1967	153.00 4
1968	200.00 7
1969	257.00 9
1970	259.00 10
1971	249.00 8
1972	189.00 6
1973	265.00 11
1974	299.00 13
1975	348.00 14
1976	274.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1962	190.00 11
1963	132.00 15
1964	193.00 9
1965	140.00 14
1966	181.00 12
1967	152.00 13
1968	222.00 8
1969	282.00 3
1970	248.00 5
1971	192.00 10
1972	230.00 7
1973	300.00 2
1974	267.00 4
1975	344.00 1
1976	240.00 6

## 03374500 PATOKA RIVER NEAR CUZCO, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1961	*	*	*	*	*	*	*	*	*	26.10	9.70	12.50
1962	2.49	21.50	183.00	607.00	560.00	518.00	191.00	80.10	114.00	10.60	2.22	9.22
1963	4.05	22.00	39.40	76.20	54.30	1067.0	119.00	94.20	15.00	59.50	6.66	1.47
1964	0.27	0.44	0.65	10.70	20.50	1711.0	378.00	69.20	59.30	37.30	1.65	0.73
1965	0.27	0.60	51.90	224.00	535.00	439.00	258.00	40.20	19.30	59.00	1.51	86.10
1966	38.10	11.90	21.90	419.00	538.00	225.00	582.00	343.00	12.00	6.01	3.36	1.83
1967	0.54	13.60	204.00	53.10	110.00	508.00	173.00	706.00	14.30	5.53	12.30	0.95
1968	14.10	46.20	538.00	192.00	236.00	441.00	537.00	471.00	92.10	20.80	52.10	18.30
1969	2.34	81.30	505.00	744.00	382.00	181.00	612.00	392.00	60.90	288.00	60.60	75.60
1970	12.70	179.00	147.00	193.00	342.00	748.00	688.00	277.00	362.00	13.50	22.00	5.78
1971	55.90	166.00	229.00	266.00	682.00	275.00	169.00	348.00	63.60	23.70	36.60	26.90
1972	25.90	25.00	271.00	258.00	397.00	621.00	958.00	187.00	9.71	7.86	5.90	0.85
1973	1.51	113.00	491.00	328.00	194.00	874.00	715.00	278.00	301.00	225.00	70.50	2.78
1974	1.42	265.00	292.00	671.00	252.00	516.00	489.00	243.00	230.00	7.11	74.20	171.00
1975	52.30	438.00	337.00	489.00	854.00	840.00	785.00	197.00	112.00	17.80	39.00	16.80
1976	89.30	200.00	446.00	616.00	608.00	183.00	74.40	63.50	489.00	71.20	31.60	21.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.42	13.60	51.90	192.00	194.00	275.00
FIFTIETH PERCENTILE					
4.05	46.20	229.00	266.00	382.00	516.00
SEVENTY FIFTH PERCENTILE					
38.10	179.00	446.00	607.00	560.00	840.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
173.00	80.10	15.00	8.54	3.99	1.56
FIFTIETH PERCENTILE					
489.00	243.00	63.60	22.19	17.10	10.90
SEVENTY FIFTH PERCENTILE					
688.00	348.00	230.00	59.40	48.80	25.40

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1979		4	2	4	4	5	2	2	4	12	4	4	1			1		2	29	28	18	21	27	45	18	27	26	25	34	18	2					
1980														1		1		2	3	1	4	37	26	52	20	47	47	9	47	28	24	17				
1981										1				2			1	1		2	53	91	74	45	21	12	8	47	7							
1982																		9	87	86	33	8	13	17	11	16	42	15	28							
1983																		12	31	42	15	32	35	26	55	39	14	17	21	15	3	6	2			
1984																		6	6	66	29	3	3	21	57	37	76	9	20	33						
1985																		2		37	52	22	30	62	41	13	12	10	38	21	25					

## 03374500 PATOKA RIVER NEAR CUZCO, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	2557	100.00	12	3.6	3	2512	98.24	24	140.0	196	1230	48.10
1	0.13	4	2557	100.00	13	4.9	0	2509	98.12	25	180.0	175	1034	40.44
2	0.18	2	2553	99.84	14	6.6	1	2509	98.12	26	250.0	274	859	33.59
3	0.24	4	2551	99.77	15	9.0	2	2508	98.08	27	340.0	115	585	22.88
4	0.32	5	2547	99.61	16	12.0	1	2506	98.01	28	460.0	195	470	18.38
5	0.44	2	2542	99.41	17	16.0	12	2505	97.97	29	620.0	132	275	10.75
6	0.59	2	2540	99.34	18	22.0	40	2493	97.50	30	840.0	100	143	5.59
7	0.80	4	2538	99.26	19	30.0	206	2453	95.93	31	1100.0	32	43	1.68
8	1.1	12	2534	99.10	20	41.0	312	2247	87.88	32	1500.0	3	11	0.43
9	1.5	5	2522	98.63	21	55.0	285	1935	75.67	33	2100.0	6	8	0.31
10	2.0	4	2517	98.44	22	74.0	179	1650	64.53	34	2800.0	2	2	0.08
11	2.7	1	2513	98.28	23	100.0	241	1471	57.53					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	31.3
P90 =	38.1
P75 =	56.1
P70 =	64.7
P50 =	132.0
P25 =	322.0
P10 =	652.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1980	21.00 4	24.00 5	28.00 3	33.00 2	49.00 4	108.00 5	131.00 5	178.00 5	261.00 6
1981	4.20 2	9.10 2	37.00 5	45.00 5	46.00 3	47.00 3	51.00 3	91.00 4	133.00 4
1982	1.60 1	5.50 1	21.00 1	33.00 3	33.00 1	41.00 2	42.00 2	45.00 2	59.00 2
1983	30.00 6	30.00 6	32.00 4	45.00 4	51.00 5	54.00 4	57.00 4	57.00 3	64.00 3
1984	23.00 5	23.00 4	52.00 6	59.00 6	84.00 6	172.00 6	183.00 6	219.00 6	228.00 5
1985	20.00 3	20.00 3	21.00 2	28.00 1	38.00 2	38.00 1	39.00 1	43.00 1	45.00 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1979	844.00 5	841.00 5	830.00 5	720.00 6	471.00 6	385.00 6	315.00 6	270.00 6	261.00 6
1980	1260.00 2	1240.00 2	1210.00 2	1190.00 2	1090.00 1	862.00 1	788.00 1	669.00 1	559.00 1
1981	367.00 7	366.00 7	366.00 7	314.00 7	306.00 7	252.00 7	183.00 7	149.00 7	143.00 7
1982	1060.00 3	1060.00 3	1050.00 3	890.00 4	844.00 4	775.00 3	653.00 3	562.00 3	433.00 3
1983	2810.00 1	2790.00 1	2570.00 1	2010.00 1	1090.00 2	828.00 2	667.00 2	539.00 4	547.00 2
1984	812.00 6	812.00 6	811.00 6	788.00 5	583.00 5	450.00 5	397.00 5	405.00 5	350.00 5
1985	1000.00 4	999.00 4	995.00 4	931.00 3	910.00 3	668.00 4	605.00 4	579.00 2	424.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1980	410.00 6
1981	145.00 1
1982	198.00 2
1983	281.00 4
1984	321.00 5
1985	248.00 3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1979	195.00 6
1980	353.00 2
1981	101.00 7
1982	254.00 3
1983	371.00 1
1984	231.00 5
1985	251.00 4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1979	1.14	116.00	152.00	412.00	45.20	44.10	410.00	98.30	122.00	177.00	323.00	442.00
1980	488.00	303.00	658.00	772.00	915.00	233.00	235.00	159.00	192.00	74.00	86.50	135.00
1981	244.00	252.00	46.80	48.70	87.70	180.00	78.10	66.00	45.50	45.40	44.20	78.30
1982	140.00	95.10	289.00	281.00	481.00	744.00	689.00	99.10	53.90	62.80	65.10	66.40
1983	80.50	127.00	493.00	921.00	559.00	174.00	96.10	1024.0	144.00	273.00	363.00	191.00
1984	178.00	239.00	389.00	341.00	196.00	385.00	505.00	260.00	157.00	39.00	38.30	41.20
1986	65.70	46.80	39.40	725.00	557.00	524.00	496.00	139.00	115.00	128.00	76.90	118.00



## 03375500 PATOKA RIVER AT JASPER, IN

LOCATION.--Lat 38°24'49", long 86°52'36", in NW¼SE¼ sec.20, T.1 S., R.4 W., Dubois County, Hydrologic Unit 05120209, on left bank 0.3 mi upstream from unnamed outlet of Jasper Lake, 1.0 mi downstream from Coon Seitz bridge, 1.2 mi downstream from Beaver Creek, 3.3 mi northeast of Jasper, and at mile 91.5.

DRAINAGE AREA.--262 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1947 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 446.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Nonrecording gage at bridge 5.6 mi downstream, used for high-water periods when flow exceeds about 2,500 ft<sup>3</sup>/s, at datum 0.34 ft lower. Prior to Sept. 18, 1956, nonrecording gage at bridge 5.6 mi downstream at datum 0.34 ft lower.

REMARKS.--Flow regulated by Beaver Creek Reservoir beginning Oct. 11, 1955, and by Patoka Lake beginning Feb. 13, 1978.

AVERAGE DISCHARGE.--37 years (water years 1949 to 1985), 370 ft<sup>3</sup>/s, 19.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft<sup>3</sup>/s Mar. 11, 1964, gage height, 15.17 ft at downstream gage; maximum gage height at upstream gage, 21.20 ft Mar. 11, 1964, from floodmarks; no flow at times during 1948, 1952-56, 1963-65.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 15.9 ft at downstream site, from floodmark furnished by local residents, discharge, 16,000 ft<sup>3</sup>/s.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1949	33			2									1	18	14	10	21	22	6	13	12	28	20	21	20	16	11	18	30	24	13	12			
1950												3	14	15	9	10	31	32	18	18	22	16	17	21	20	25	10	24	22	16	17	5			
1951									3	12	6	2	19	16	17	16	14	16	20	27	10	8	9	20	20	20	23	44	23	11	8	1			
1952	34						1	1	11	25	11	8	13	13	14	5	20	14	11	7	10	15	15	18	12	27	14	31	22	11	3				
1953	94	6		4			3	1	1	8	10	5	14	13	7	10	17	8	4	6	11	19	18	23	22	16	18	25	2						
1954	142	16		7			6	3	4	2	4	5	4	4	9	11	18	18	17	21	17	14	14	12	6	7	4								
1955	37								1		3	7	17	22	12	12	20	32	16	20	22	25	19	14	14	12	14	29	10	7					
1956	1	1					1			1	3	7	12	18	18	13	43	28	22	16	17	14	25	19	20	14	14	36	9	14					
1957							5	8	12	11	23	19	14	12	15	13	17	32	13	13	24	28	19	14	17	13	12	12	4	8	5	1	1		
1958										11	14	4	6	8	5	13	16	19	21	19	21	25	34	19	31	16	17	22	29	11	4				
1959									1	4	11	22	10	13	11	19	4	33	27	31	23	21	18	24	24	30	15	15	2	2	1	1	3		
1960							3	4	12	8	11	6	5	9	11	9	16	35	19	12	54	30	25	19	14	18	21	18	7						
1961									3	28	13	8	13	18	28	23	25	19	27	15	11	10	10	14	12	9	14	13	37	3	6	2	1	2	1
1962							5	11	29	18	14	19	16	16	17	20	25	14	29	25	26	18	15	8	9	17	4	1	5	4					
1963	6	2				2	2		7	3	5	12	16	28	24	31	21	23	32	40	29	17	10	11	8	8	5	12	2	3	6				
1964	3	6		3	4	6	16	8	13	14	33	23	32	10	10	24	31	19	22	8	7	9	10	13	7	10	4	9	2	1	3	2	1	2	1
1965	1	3		2	3	3	6	3	9	10	16	15	28	21	16	22	15	11	13	15	22	23	21	25	24	13	8	7	6	4					
1966									2	9	23	26	29	16	39	34	32	18	14	12	20	14	14	12	8	6	19	8	9	1					
1967			3	4		2	2	1	9	7	9	24	33	21	20	13	13	16	28	25	23	21	10	16	18	7	8	22	5	2	3				
1968		1	1		2		1	2	2	1	2	3	10	9	19	23	30	28	43	23	20	15	21	12	18	17	13	30	14	6					
1969												20	15	6	8	7	14	20	12	16	17	25	70	27	21	22	17	20	11	11	4	2			
1970									1	3	3	8	8	13	32	29	36	12	9	26	26	24	29	27	17	19	28	6	6	3					
1971						3			3	3	3	4	8	13	16	20	8	30	35	45	40	26	19	26	17	11	27	5	3						
1972							2	2	6	17	27	24	33	15	38	10	9	9	23	21	29	16	15	18	18	15	11	2	3	3					
1973							3	3	5	10	15	8	11	7	13	10	8	11	19	31	21	31	25	22	26	30	23	29	4						
1974										3	18	27	19	21		10	14	7	13	11	22	21	24	33	25	14	26	35	22						
1975															11	33	25	19	24	20	23	15	46	41	28	15	17	26	13	5	3	1			
1976													5	4	8	18	16	32	44	22	27	23	31	25	24	18	15	25	29						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	351	10227	100.00	12	4.4	417	8902	87.04	24	340.0	528	2629	25.71
1	0.08	35	9876	96.57	13	6.3	402	8485	82.97	25	500.0	454	2101	20.54
2	0.12	4	9841	96.23	14	9.1	385	8083	79.04	26	710.0	397	1647	16.10
3	0.17	22	9837	96.19	15	13.0	467	7698	75.27	27	1000.0	629	1250	12.22
4	0.24	9	9815	95.97	16	19.0	592	7231	70.70	28	1500.0	337	621	6.07
5	0.34	13	9806	95.88	17	27.0	595	6639	64.92	29	2100.0	164	284	2.78
6	0.49	49	9793	95.76	18	39.0	547	6044	59.10	30	3100.0	85	120	1.17
7	0.71	37	9744	95.28	19	56.0	497	5497	53.75	31	4400.0	23	35	0.34
8	1.0	123	9707	94.92	20	80.0	622	5000	48.89	32	6300.0	6	12	0.12
9	1.5	154	9584	93.71	21	120.0	575	4378	42.81	33	9100.0	4	6	0.06
10	2.1	232	9430	92.21	22	170.0	610	3803	37.19	34	13000.0	2	2	0.02
11	3.0	296	9198	89.94	23	240.0	564	3193	31.22					

## 03375500 PATOKA RIVER AT JASPER, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.93  
P90 = 3.0  
P75 = 13.4  
P70 = 20.0  
P50 = 74.5  
P25 = 362.0  
P10 = 1180.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	2.70 6	3.60 7	50.00 22	55.00 17
1950	4.20 25	4.70 25	5.10 23	7.00 24	12.00 24	24.00 24	24.00 20	77.00 25	134.00 23
1951	3.80 24	4.50 24	5.30 24	5.60 22	8.90 22	16.00 21	59.00 25	50.00 23	107.00 20
1952	1.00 14	1.00 12	1.10 11	1.60 11	2.60 11	13.00 20	23.00 19	28.00 15	53.00 16
1953	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.16 2	2.80 5	2.10 2	12.00 5
1954	0.00 3	0.00 3	0.00 3	0.00 3	0.00 3	0.00 1	0.00 1	0.01 1	4.20 1
1955	0.00 4	0.00 4	0.00 4	0.00 4	0.00 4	3.50 9	2.80 6	12.00 11	23.00 10
1956	0.00 5	0.00 5	0.00 5	0.00 5	0.00 5	3.70 11	21.00 18	36.00 18	118.00 22
1957	0.00 6	0.20 9	0.84 7	0.99 6	1.30 7	3.60 10	12.00 15	18.00 14	26.00 11
1958	1.60 19	1.70 18	1.70 13	1.80 12	2.70 12	3.80 12	4.80 8	12.00 12	179.00 25
1959	4.60 26	5.10 26	6.50 26	9.80 26	29.00 27	73.00 28	93.00 28	165.00 28	250.00 28
1960	1.40 18	1.60 17	2.00 14	3.80 17	7.00 21	10.00 18	13.00 16	15.00 13	26.00 12
1961	0.70 12	0.77 10	1.00 10	1.19 8	1.19 6	1.30 3	1.70 2	3.20 5	9.40 3
1962	1.30 17	1.40 16	2.30 15	2.80 15	2.90 14	3.40 7	6.00 10	9.80 9	40.00 13
1963	0.40 10	0.77 11	1.30 12	1.80 13	2.80 13	7.70 16	7.70 13	9.40 8	15.00 6
1964	0.00 7	0.00 6	0.94 8	1.30 9	1.70 9	1.90 4	2.10 3	2.70 3	6.30 2
1965	0.00 8	0.07 7	0.69 6	1.40 10	2.10 10	2.50 5	2.80 4	3.00 4	19.00 8
1966	1.10 16	2.50 21	3.50 20	4.00 19	4.50 17	9.60 17	29.00 22	32.00 16	47.00 14
1967	1.00 15	1.19 13	2.30 16	2.80 14	3.20 15	3.40 8	5.70 9	6.00 6	11.00 4
1968	0.08 9	0.17 8	1.00 9	1.10 7	1.40 8	4.50 14	11.00 14	10.00 10	17.00 7
1969	3.00 22	3.10 22	3.70 21	4.20 20	4.70 18	12.00 19	19.00 17	38.00 21	75.00 18
1970	7.70 27	8.30 27	8.90 27	11.00 27	17.00 25	21.00 22	74.00 27	105.00 26	167.00 24
1971	0.60 11	1.30 15	3.10 19	3.90 18	4.90 19	27.00 25	25.00 21	37.00 19	80.00 19
1972	1.90 20	2.00 19	3.00 18	8.30 25	20.00 26	30.00 26	33.00 23	35.00 17	50.00 15
1973	0.83 13	1.19 14	2.50 17	3.10 16	3.90 16	4.00 13	6.30 11	7.00 7	23.00 9
1974	2.10 21	2.50 20	4.20 22	4.60 21	5.50 20	6.20 15	7.30 12	37.00 20	197.00 27
1975	3.70 23	4.10 23	5.50 25	6.40 23	9.90 23	21.00 23	68.00 26	109.00 27	194.00 26
1976	14.00 28	15.00 28	17.00 28	21.00 28	32.00 28	46.00 27	52.00 24	54.00 24	117.00 21

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	4220.00 12	4100.00 11	3810.00 9	2930.00 5	2230.00 4	1650.00 3	1470.00 3	1270.00 3	956.00 4
1950	5940.00 6	5480.00 6	4520.00 4	4160.00 2	2920.00 1	2320.00 1	1830.00 1	1700.00 1	1240.00 1
1951	4480.00 10	4310.00 9	3450.00 10	2200.00 13	1690.00 9	1430.00 6	1400.00 4	1290.00 2	1080.00 2
1952	3880.00 14	3580.00 14	2700.00 15	1930.00 15	1580.00 13	1200.00 11	1110.00 7	1130.00 6	854.00 5
1953	1600.00 27	1520.00 27	1350.00 27	1010.00 26	776.00 26	663.00 26	630.00 25	580.00 24	451.00 24
1954	950.00 28	863.00 28	527.00 28	330.00 28	259.00 28	210.00 28	186.00 28	163.00 28	114.00 28
1955	2940.00 19	2810.00 20	2370.00 18	1870.00 17	1590.00 11	1090.00 17	914.00 14	802.00 12	595.00 17
1956	2940.00 20	2830.00 19	2390.00 16	2180.00 14	1880.00 5	1360.00 7	1120.00 6	952.00 7	664.00 10
1957	6700.00 5	5520.00 5	4110.00 7	2360.00 8	1360.00 17	1100.00 15	856.00 18	765.00 18	614.00 14
1958	4250.00 11	3920.00 12	3230.00 12	2230.00 12	1530.00 14	1140.00 13	927.00 13	730.00 19	747.00 7
1959	9000.00 3	8050.00 3	5440.00 3	3030.00 4	1880.00 6	1270.00 9	974.00 10	797.00 13	593.00 18
1960	1710.00 26	1620.00 26	1400.00 26	816.00 27	714.00 27	558.00 27	482.00 27	469.00 27	412.00 25
1961	13100.00 2	11300.00 2	7330.00 2	3940.00 3	2630.00 3	1650.00 2	1470.00 2	1200.00 5	813.00 6
1962	5140.00 8	4970.00 7	4020.00 8	2350.00 9	1460.00 15	1200.00 10	973.00 11	788.00 14	561.00 20
1963	3960.00 13	3700.00 13	2770.00 13	2260.00 11	1820.00 7	1010.00 18	728.00 23	566.00 25	404.00 26
1964	13500.00 1	11800.00 1	8290.00 1	4960.00 1	2640.00 2	1610.00 4	1100.00 8	847.00 9	571.00 19
1965	3020.00 18	2890.00 18	2310.00 19	1380.00 25	1170.00 21	734.00 24	612.00 26	530.00 26	369.00 27

## 03375500 PATOKA RIVER AT JASPER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	3180.00	17	3040.00	17	2390.00	17	1480.00	23	1080.00	23	677.00	25	729.00	22	621.00	21	494.00	22
1967	3390.00	16	3200.00	16	2710.00	14	1910.00	16	1280.00	18	782.00	22	737.00	21	598.00	23	460.00	23
1968	2710.00	21	2600.00	21	2230.00	21	1430.00	24	1090.00	22	745.00	23	776.00	20	626.00	20	610.00	15
1969	4550.00	9	4250.00	10	3360.00	11	2320.00	10	1580.00	12	1120.00	14	905.00	15	822.00	11	741.00	8
1970	3530.00	15	3290.00	15	2310.00	20	1630.00	20	1190.00	19	1090.00	16	892.00	16	781.00	16	621.00	13
1971	2470.00	22	2370.00	22	1940.00	24	1650.00	19	1180.00	20	791.00	21	703.00	24	603.00	22	497.00	21
1972	5440.00	7	4970.00	8	4170.00	6	2850.00	6	1630.00	10	1320.00	8	1030.00	9	851.00	8	645.00	12
1973	2340.00	23	2290.00	23	2060.00	22	1850.00	18	1380.00	16	1180.00	12	934.00	12	825.00	10	710.00	9
1974	2030.00	25	2000.00	25	1860.00	25	1570.00	21	1070.00	24	847.00	20	833.00	19	782.00	15	660.00	11
1975	7470.00	4	6410.00	4	4360.00	5	2380.00	7	1730.00	8	1440.00	5	1370.00	5	1230.00	4	1040.00	3
1976	2080.00	24	2050.00	24	1960.00	23	1510.00	22	1020.00	25	969.00	19	884.00	17	771.00	17	598.00	16

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	560.00	26
1950	624.00	28
1951	616.00	27
1952	519.00	23
1953	182.00	2
1954	122.00	1
1955	243.00	10
1956	384.00	15
1957	206.00	5
1958	495.00	21
1959	500.00	22
1960	193.00	3
1961	237.00	9
1962	524.00	24
1963	221.00	7
1964	261.00	12
1965	217.00	6
1966	195.00	4
1967	230.00	8
1968	306.00	13
1969	403.00	18
1970	386.00	16
1971	370.00	14
1972	254.00	11
1973	389.00	17
1974	458.00	19
1975	552.00	25
1976	468.00	20

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	554.00	4
1950	673.00	1
1951	576.00	3
1952	446.00	6
1953	229.00	25
1954	64.00	28
1955	310.00	18
1956	387.00	11
1957	316.00	17
1958	493.00	5
1959	329.00	16
1960	251.00	23
1961	413.00	9
1962	292.00	19
1963	214.00	26
1964	288.00	20
1965	204.00	27
1966	256.00	22
1967	237.00	24
1968	336.00	14
1969	439.00	8
1970	358.00	13
1971	287.00	21
1972	331.00	15
1973	443.00	7
1974	398.00	10
1975	581.00	2
1976	379.00	12

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	*	*	*	*	*	*	1038.0	171.00	5.99	183.00	7.62	7.43
1949	0.00	485.00	586.00	2105.0	1101.0	1061.0	381.00	221.00	668.00	22.90	39.80	12.40
1950	294.00	28.90	565.00	2742.0	1899.0	688.00	1052.0	458.00	241.00	23.00	13.20	155.00
1951	17.80	777.00	600.00	1345.0	1298.0	1474.0	1008.0	191.00	141.00	50.30	39.30	25.30
1952	3.74	350.00	1506.0	757.00	952.00	1211.0	344.00	37.50	180.00	4.22	0.00	8.39
1953	0.05	2.42	59.80	539.00	280.00	737.00	559.00	529.00	8.66	27.00	1.87	0.00
1954	0.00	0.00	0.17	70.00	81.40	187.00	217.00	97.60	35.20	0.07	6.83	72.00
1955	21.10	11.60	133.00	239.00	67.00	1417.0	622.00	462.00	80.00	55.90	5.24	10.70
1956	236.00	355.00	82.00	108.00	1.00	830.00	684.00	392.00	102.00	32.60	36.10	32.80
1957	5.15	4.57	44.10	319.00	678.00	187.00	1043.0	1111.0	380.00	51.90	8.93	4.88
1958	3.45	690.00	1489.0	443.00	163.00	523.00	410.00	791.00	52.50	787.00	408.00	99.20
1959	85.40	211.00	314.00	1577.0	738.00	507.00	208.00	209.00	76.60	10.10	19.90	8.91
1960	28.80	57.00	341.00	497.00	443.00	423.00	269.00	240.00	426.00	283.00	6.13	1.35
1961	1.34	5.65	18.00	46.60	332.00	1212.0	917.00	2001.0	362.00	22.20	12.80	10.50
1962	3.21	18.60	232.00	966.00	614.00	1107.0	309.00	95.00	137.00	17.50	4.58	13.60
1963	7.40	28.70	53.60	132.00	79.20	1750.0	218.00	158.00	21.30	73.60	11.50	2.83
1964	2.46	2.21	7.73	17.50	27.70	2543.0	559.00	105.00	95.00	52.30	3.40	3.23
1965	2.56	2.75	77.10	301.00	846.00	615.00	374.00	56.40	25.50	80.10	4.97	110.00

## WABASH RIVER BASIN

03375500 PATOKA RIVER AT JASPER, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1966	48.20	14.50	26.20	516.00	810.00	327.00	636.00	695.00	17.80	7.98	9.23	4.96
1967	3.45	23.10	327.00	87.00	173.00	763.00	266.00	1121.0	23.70	6.25	24.40	2.88
1968	6.50	43.30	813.00	229.00	459.00	663.00	794.00	552.00	319.00	35.70	92.50	34.60
1969	6.12	107.00	703.00	1031.0	925.00	280.00	885.00	601.00	109.00	401.00	117.00	126.00
1970	17.70	298.00	213.00	304.00	457.00	1108.0	793.00	617.00	415.00	23.30	51.80	7.85
1971	66.90	213.00	321.00	406.00	1182.0	423.00	229.00	436.00	102.00	35.50	53.70	47.70
1972	34.60	29.60	293.00	352.00	484.00	952.00	1574.0	233.00	11.40	8.57	11.00	4.15
1973	3.91	156.00	651.00	467.00	304.00	1239.0	1065.0	375.00	492.00	435.00	104.00	6.12
1974	6.88	271.00	536.00	1036.0	379.00	784.00	699.00	321.00	416.00	11.50	103.00	205.00
1975	135.00	800.00	517.00	804.00	1206.0	1463.0	1435.0	324.00	193.00	42.00	81.50	37.60
1976	158.00	346.00	728.00	955.00	983.00	366.00	130.00	81.60	650.00	96.40	56.20	27.60

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

3.27	12.30	64.10	232.00	311.00	444.00
------	-------	-------	--------	--------	--------

## FIFTIETH PERCENTILE

6.69	50.10	318.00	455.00	646.00	774.00
------	-------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

44.80	334.00	597.00	963.00	975.00	1212.00
-------	--------	--------	--------	--------	---------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

289.00	165.00	30.30	14.50	6.48	4.92
--------	--------	-------	-------	------	------

## FIFTIETH PERCENTILE

622.00	324.00	109.00	35.50	13.20	10.70
--------	--------	--------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

963.00	577.00	371.00	76.80	54.90	42.60
--------	--------	--------	-------	-------	-------

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1979		2	8	4	7	9	5	4	3		1	4	8	14	8	11	6	13	14	27	19	14	23	24	43	13	23	13	28	5	5	3	2	1	1
1980								2	1		2	6	17	15	12	15	9	18	19	30	22	4	14	21	40	12	31	25	42	3	6				
1981									1	7	20	24	69	36	15	31	16	29	14	14	22	42	9	10	1	2	2	1							
1982													5	33	66	29	36	22	12	15	10	5	7	9	21	13	11	26	37	1	2	3	1	1	
1983													2	6	14	26	13	25	9	21	24	45	40	9	12	13	9	11	45	17	8	5	9	1	1
1984										7	26	47		9	4	5	2	14	9	33	25	38	23	27	24	10	21	24	12	4	1	1			
1985													9	6	22	34	26	60	26	16	13	13	5	7	11	19	29	33	26	3	5		1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2557	100.00	12	52.0	119	2367	92.57	24	490.0	152	774	30.27
1	6.6	2	2557	100.00	13	63.0	114	2248	87.92	25	600.0	82	622	24.33
2	8.0	8	2555	99.92	14	76.0	137	2134	83.46	26	720.0	126	540	21.12
3	9.6	4	2547	99.61	15	91.0	151	1997	78.10	27	870.0	133	414	16.19
4	12.0	7	2543	99.45	16	110.0	108	1846	72.19	28	1000.0	190	281	10.99
5	14.0	9	2536	99.18	17	130.0	181	1738	67.97	29	1300.0	33	91	3.56
6	17.0	5	2527	98.83	18	160.0	103	1557	60.89	30	1500.0	27	58	2.27
7	20.0	6	2522	98.63	19	190.0	156	1454	56.86	31	1800.0	12	31	1.21
8	25.0	5	2516	98.40	20	230.0	135	1298	50.76	32	2200.0	13	19	0.74
9	30.0	14	2511	98.20	21	280.0	161	1163	45.48	33	2700.0	4	6	0.23
10	36.0	49	2497	97.65	22	340.0	121	1002	39.19	34	3200.0	2	2	0.08
11	43.0	81	2448	95.74	23	410.0	107	881	34.45					

## 03375500 PATOKA RIVER AT JASPER, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 45.1  
 P90 = 58.1  
 P75 = 101.0  
 P70 = 120.0  
 P50 = 237.0  
 P25 = 588.0  
 P10 = 1040.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1980	42.00 4	44.00 4	59.00 4	61.00 4	136.00 5	311.00 6	339.00 6	449.00 6	451.00 6
1981	24.00 1	25.00 1	42.00 3	45.00 3	49.00 3	54.00 3	78.00 3	130.00 4	139.00 3
1982	29.00 2	34.00 2	36.00 1	41.00 2	43.00 2	51.00 2	62.00 2	73.00 2	95.00 1
1983	58.00 5	59.00 5	62.00 5	76.00 5	78.00 4	84.00 4	92.00 4	110.00 3	148.00 4
1984	60.00 6	62.00 6	65.00 6	86.00 6	141.00 6	211.00 5	261.00 5	242.00 5	276.00 5
1985	31.00 3	34.00 3	38.00 2	39.00 1	41.00 1	44.00 1	52.00 1	64.00 1	113.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1979	3220.00 2	2590.00 2	1720.00 2	1060.00 6	838.00 6	681.00 6	602.00 6	615.00 6	569.00 6
1980	1670.00 6	1660.00 5	1480.00 3	1260.00 2	1200.00 2	1000.00 3	991.00 2	883.00 3	759.00 2
1981	941.00 7	700.00 7	467.00 7	390.00 7	317.00 7	253.00 7	250.00 7	231.00 7	176.00 7
1982	2900.00 3	2230.00 4	1400.00 5	1240.00 3	1090.00 3	1030.00 2	990.00 3	887.00 2	675.00 4
1983	3820.00 1	3060.00 1	2340.00 1	1960.00 1	1650.00 1	1190.00 1	1010.00 1	832.00 4	909.00 1
1984	1800.00 5	1640.00 6	1220.00 6	1080.00 5	985.00 5	826.00 5	700.00 5	631.00 5	595.00 5
1985	2740.00 4	2250.00 3	1460.00 4	1170.00 4	1070.00 4	973.00 4	947.00 4	899.00 1	701.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1980	636.00 6
1981	199.00 1
1982	329.00 2
1983	441.00 4
1984	511.00 5
1985	431.00 3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1979	462.00 3
1980	489.00 2
1981	151.00 7
1982	398.00 5
1983	587.00 1
1984	370.00 6
1985	426.00 4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1979	21.80	284.00	498.00	805.00	466.00	355.00	827.00	248.00	459.00	583.00	526.00	485.00
1980	494.00	690.00	862.00	842.00	1097.0	548.00	426.00	249.00	262.00	193.00	84.30	149.00
1981	235.00	266.00	57.70	50.00	158.00	269.00	208.00	266.00	101.00	54.00	63.20	88.30
1982	149.00	128.00	346.00	716.00	810.00	1046.0	907.00	219.00	151.00	89.50	81.20	169.00
1983	231.00	330.00	992.00	1081.0	781.00	283.00	550.00	1679.0	275.00	272.00	356.00	204.00
1984	245.00	431.00	566.00	487.00	318.00	719.00	924.00	411.00	159.00	60.60	43.80	76.30
1985	125.00	285.00	370.00	882.00	996.00	888.00	795.00	257.00	180.00	133.00	121.00	123.00

03375800 HALL CREEK NEAR ST. ANTHONY, IN

LOCATION.--Lat 38°21'45", long 86°49'43", in NW¼NW¼ sec.11, T.2 S., R.4 W., Dubois County, Hydrologic Unit 05120209, on downstream side of right pier of bridge on County Road 125 South, 0.7 mi upstream from Grassy Fork, 3.3 mi north of St. Anthony, and at mile 4.1.

DRAINAGE AREA.--21.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 459.22 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--15 years, 34.7 ft<sup>3</sup>/s, 21.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft<sup>3</sup>/s July 26, 1979, gage height, 15.30 ft from contracted-opening and flow-over-the-road measurements at gage height of 15.30 ft; no flow for many days in most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1971									2	9	13	5	17	26	23	32	35	48	28	29	34	23	11	10	5	8	4	2		1						
1972	33	3	2	1	1	6	12	10	16	13	9	4	14	28	19	11	10	24	25	21	35	18	15	8	11	7	2	1	2	4	1					
1973	27	1	1		1	1	2	1	2	33	23	10	7	8	7	8	29	21	29	26	31	23	22	19	8	14	5	1	4		1					
1974		1	6	1	7	5	10	11	11	6	10	16	12	18	10	12	21	23	25	32	27	22	23	20	15	7	3	9	1	1						
1975						1	2	5	8	18	14	15	17	17	16	16	15	17	28	46	43	26	23	16	7	4	4	3	2		1	1				
1976	6		2		1	2	1	1	8	6	12	11	22	11	29	25	21	33	41	37	31	15	13	11	9	3	4	4	5		1	1				
1977	33	3	4	2	7		5	6	8	12	20	14	8	21	24	20	26	20	18	19	22	23	15	12	5	7	4	2	2	1	2					
1978						3	3	5	5	7	7	18	16	15	14	22	59	36	35	32	22	18	12	14	6	4	3	3	3	3						
1979												3	11	34	29	26	18	38	36	27	30	28	20	11	19	6	10	9	5	2	2		1			
1980						2	1	1	1	6	21	23	21	16	11	29	45	38	27	19	21	24	19	10	5	9	2	9	3	3						
1981						2	4	4	3	25	36	33	32	24	20	29	31	35	24	30	10	6	10	1	2	1	2	1								
1982									3	5	14	27	29	28	33	34	26	26	33	29	22	15	14	6	7	5	2	1	2	1	2	1	3			
1983		48		2	2	2	8	10	4	5	7	6	6	9	27	12	14	19	23	27	32	28	16	12	15	12	4	5	1	7		2				
1984	6	3	2			15	8	13	16	14	14	12	12	20	14	19	15	17	24	31	37	25	17	12	8	7	1	2	2							
1985									3	3	10	19	13	14	15	17	16	36	28	36	41	29	27	13	15	13	5	2	4	2	1	2	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	105	5479	100.00	12	0.87	230	4564	83.30	24	76.0	153	504	9.20
1	0.01	59	5374	98.08	13	1.3	273	4334	79.10	25	110.0	125	351	6.41
2	0.02	17	5315	97.01	14	1.8	308	4061	74.12	26	160.0	67	226	4.12
3	0.03	6	5298	96.70	15	2.7	274	3753	68.50	27	230.0	50	159	2.90
4	0.04	19	5292	96.59	16	3.9	347	3479	63.50	28	340.0	47	109	1.99
5	0.06	16	5273	96.24	17	5.6	433	3132	57.16	29	490.0	33	62	1.13
6	0.09	61	5257	95.95	18	8.1	424	2699	49.26	30	710.0	15	29	0.53
7	0.14	57	5196	94.83	19	12.0	434	2275	41.52	31	1000.0	11	14	0.26
8	0.20	82	5139	93.79	20	17.0	467	1841	33.60	32	1500.0	2	3	0.05
9	0.29	123	5057	92.30	21	25.0	366	1374	25.08	33	2200.0	1	1	0.02
10	0.41	179	4934	90.05	22	36.0	284	1008	18.40	34				
11	0.60	191	4755	86.79	23	52.0	220	724	13.21					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.13  
P90 = 0.41  
P75 = 1.7  
P70 = 2.5  
P50 = 7.9  
P25 = 25.1  
P10 = 71.2

## 03375800 HALL CREEK NEAR ST. ANTHONY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.24 12	0.31 12	0.40 12	0.82 13	1.80 13	2.20 10	3.00 7	3.20 5	4.00 3
1973	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.03 1	0.55 3	0.62 1	1.30 1
1974	0.01 6	0.02 6	0.02 4	0.03 4	0.11 4	0.42 3	0.39 2	1.50 3	7.60 6
1975	0.18 11	0.20 11	0.23 9	0.28 6	1.50 10	1.90 8	5.60 10	7.90 10	14.00 10
1976	0.13 10	0.16 10	0.24 10	0.54 11	1.50 11	4.60 12	6.60 12	6.10 8	9.20 9
1977	0.00 2	0.00 2	0.00 2	0.00 2	0.01 2	1.00 5	2.20 5	3.90 7	3.20 2
1978	0.00 3	0.00 3	0.06 5	0.39 9	0.63 6	1.90 9	2.10 4	9.90 11	17.00 13
1979	0.10 8	0.11 7	0.15 7	0.33 7	1.60 12	3.00 11	7.60 13	19.00 13	16.00 11
1980	0.94 14	1.00 14	1.80 14	3.50 14	6.90 14	14.00 14	25.00 14	46.00 14	46.00 14
1981	0.11 9	0.13 9	0.38 11	0.54 10	0.88 7	1.70 7	3.10 8	3.80 6	4.80 4
1982	0.09 7	0.11 8	0.16 8	0.39 8	0.96 8	1.30 6	4.00 9	10.00 12	9.10 8
1983	0.30 13	0.34 13	0.48 13	0.61 12	0.96 9	5.70 13	6.30 11	7.10 9	16.00 12
1984	0.00 4	0.01 5	0.00 3	0.00 3	0.02 3	0.09 2	0.36 1	0.74 2	7.10 5
1985	0.00 5	0.00 4	0.06 6	0.27 5	0.47 5	0.86 4	2.50 6	3.20 4	8.70 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	630.00 12	259.00 14	166.00 13	125.00 12	85.00 13	56.00 14	49.00 14	44.00 14	34.00 14
1972	736.00 10	663.00 6	428.00 5	267.00 4	145.00 7	111.00 6	84.00 6	69.00 6	52.00 8
1973	712.00 11	300.00 13	256.00 10	166.00 9	108.00 11	89.00 10	69.00 10	59.00 9	51.00 9
1974	591.00 14	312.00 12	161.00 14	124.00 13	80.00 14	67.00 13	64.00 12	56.00 12	48.00 11
1975	2170.00 2	860.00 4	397.00 6	200.00 7	158.00 4	116.00 4	108.00 2	94.00 3	77.00 3
1976	1250.00 4	570.00 9	305.00 9	153.00 10	118.00 10	92.00 9	77.00 7	66.00 7	48.00 12
1977	958.00 8	385.00 11	253.00 11	152.00 11	121.00 8	99.00 7	77.00 8	59.00 10	42.00 13
1978	961.00 7	590.00 8	345.00 7	188.00 8	118.00 9	72.00 12	60.00 13	58.00 11	53.00 7
1979	5110.00 1	2100.00 1	1010.00 1	492.00 1	268.00 1	171.00 1	128.00 1	110.00 1	106.00 1
1980	824.00 9	636.00 7	446.00 4	221.00 6	147.00 6	99.00 8	75.00 9	66.00 8	64.00 5
1981	424.00 15	188.00 15	146.00 15	72.00 15	37.00 15	26.00 15	22.00 15	22.00 15	18.00 15
1982	1110.00 6	760.00 5	337.00 8	288.00 3	166.00 3	115.00 5	92.00 5	80.00 5	56.00 6
1983	1240.00 5	861.00 3	482.00 2	333.00 2	199.00 2	142.00 2	104.00 3	86.00 4	82.00 2
1984	608.00 13	404.00 10	198.00 12	115.00 14	88.00 12	79.00 11	65.00 11	54.00 13	50.00 10
1985	1740.00 3	963.00 2	474.00 3	263.00 5	149.00 5	137.00 3	99.00 4	95.00 2	76.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	17.00 1
1973	31.00 6
1974	30.00 5
1975	42.00 11
1976	35.00 9
1977	21.00 3
1978	34.00 8
1979	48.00 13
1980	71.00 14
1981	19.00 2
1982	33.00 7
1983	30.00 4
1984	42.00 10
1985	44.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	20.00 14
1972	27.00 12
1973	29.00 9
1974	29.00 10
1975	43.00 4
1976	29.00 11
1977	26.00 13
1978	37.00 6
1979	78.00 1
1980	43.00 5
1981	12.00 15
1982	35.00 7
1983	44.00 3
1984	29.00 8
1985	46.00 2

## WABASH RIVER BASIN

03375800 HALL CREEK NEAR ST. ANTHONY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	14.00	26.40	24.00	27.30	87.20	25.90	9.60	16.20	4.85	3.31	5.88	5.40
1972	2.67	2.19	31.20	22.10	42.50	60.30	142.00	16.20	0.19	0.78	1.54	0.04
1973	0.02	8.13	48.60	30.10	24.70	103.00	71.80	21.70	18.40	16.30	4.21	0.28
1974	0.63	35.90	23.40	73.90	23.20	67.10	48.00	26.40	23.60	1.56	10.50	15.60
1975	6.09	49.80	40.40	58.90	126.00	102.00	91.70	16.00	12.20	5.84	9.39	5.64
1976	9.58	40.90	66.70	69.00	84.30	15.50	5.85	18.10	32.40	5.85	4.89	2.80
1977	7.00	4.80	3.28	0.17	66.10	105.00	49.00	14.00	1.98	1.92	52.30	8.00
1978	34.10	53.00	75.10	8.92	8.50	102.00	37.40	36.20	3.49	17.50	46.20	13.00
1979	4.59	61.30	102.00	70.20	112.00	81.00	98.50	18.80	73.70	247.00	52.50	20.50
1980	8.72	147.00	50.40	25.50	26.00	88.00	45.60	27.40	54.90	33.10	2.27	11.60
1981	1.36	4.79	7.27	2.98	22.10	13.90	17.80	33.70	6.33	2.32	20.50	17.30
1982	1.56	9.05	31.40	154.00	39.40	63.30	39.20	7.53	9.62	9.94	1.36	50.40
1983	18.20	38.30	107.00	27.60	26.80	21.80	126.00	153.00	9.16	0.32	0.06	1.09
1984	23.70	46.90	38.70	8.45	27.00	71.10	78.80	37.50	1.74	7.59	1.37	5.29
1985	12.30	47.30	81.10	27.40	131.00	108.00	59.70	27.40	36.90	5.01	16.90	2.53

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.56	8.13	24.00	8.92	24.69	25.90
FIFTIETH PERCENTILE					
7.00	38.30	40.40	27.40	39.40	71.10
SEVENTY FIFTH PERCENTILE					
14.00	49.80	75.10	69.00	87.20	102.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
37.40	16.19	3.49	1.92	1.54	2.53
FIFTIETH PERCENTILE					
49.00	21.69	9.62	5.84	5.88	5.64
SEVENTY FIFTH PERCENTILE					
91.70	33.70	32.40	16.30	20.50	15.60



## 03376260 FLAT CREEK NEAR OTWELL, IN

LOCATION.--Lat 38°26'12", long 87°07'52", in SE¼SE¼ sec.12, T.1 S., R.7 W., Pike County, Hydrologic Unit 05120209, on right bank at upstream side of bridge on State Highway 56, 2.2 mi west of intersection of State Highways 56 and 257, 2.5 mi southeast of Otwell, 6.2 mi east of intersection of State Highways 56 and 61, and at mile 10.9.

DRAINAGE AREA.--21.3 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1970 to April 1982 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 448.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years (1965-81), 22.8 ft<sup>3</sup>/s, 14.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,680 ft<sup>3</sup>/s May 12, 1978, gage height, 12.34 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1964 reached a stage of 12.58 ft.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1965	98						13		6	7	12	21	16	8	14	23	17	16	25	20	18	19	7	7	5	2	5	2	1	1	1		1		
1966	50					13		11	47	19	26	33	10	11	15	9	12	19	11	21	8	11	10	9	6	4	3	3	2		1	1			
1967	20		4	5	6	6	29	4	8	10	6	11	21	17	15	18	47	34	22	25	15	6	9	4	4	6	2	2	1	4	1	3			
1968	24	2	1	2	3	3	1	2	3	7	6	3	21	24	28	25	55	24	20	17	20	16	15	7	7	10	9	1	4	1	3	1	1		
1969	21	1	1		6	1	4	6	5	3	3	6	10	8	18	31	35	34	38	25	21	16	17	10	14	10	5	5	1	1	2	5	2		
1970	3	1			1				1	2	6	8	13	22	44	30	39	31	15	22	24	26	26	18	7	8		4	1	3	2				
1971	18	2	4	5	5	1	4	3	4	2	3	5	12	2	17	29	48	53	35	24	19	20	11	14	5	3	6	5		3		3			
1972	39						3	4	9	9	18	14	14	9	13	20	27	34	26	29	33	22	9	10	5	7	3	1	2	1	1	2	2		
1973	20				1		1	2			4	2	2	7	20	13	37	34	35	44	29	18	20	23	14	11	12	6	2	3	3	2			
1974												5	22	13	8	32	44	32	33	30	34	24	23	17	16	10	10	2	6		3	1			
1975							2	2	6	10	15	12	9	19	32	13	19	29	38	38	24	22	19	14	15	7	5	3	6	2	2	1	1		
1976	21		1		2		1	3	6	4	11	9	14	16	22	29	32	28	32	30	25	22	12	7	14	7	7	3	2	2	4				
1977	30	3	1	9	4	3	6	9	10	5	12	23	23	22	6	28	26	20	24	12	18	22	12	9	10	5	6	4	1		1		1		
1978					1	2	3	4	4	10	12	12	14	14	20	20	23	57	33	40	22	12	14	14	10	7	4	5	2	2	2	1	1	3	
1979		1			1	1		3	1	1		1	5	7	21	17	10	22	36	39	41	31	23	22	19	15	14	10	5	7	8	1			
1980													4	16	6	30	36	29	26	34	48	37	26	20	14	7	10	6	7	6	4				
1981												2	10	21	51	78	44	33	33	19	17	14	12	8	4	7	1	6	1		3		1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	344	6209	100.00	12	0.64	239	5199	83.73	24	41.0	186	675	10.87
1	0.01	10	5865	94.46	13	0.91	216	4960	79.88	25	59.0	138	489	7.88
2	0.02	12	5855	94.30	14	1.3	305	4744	76.41	26	83.0	116	351	5.65
3	0.03	21	5843	94.11	15	1.8	484	4439	71.49	27	120.0	65	235	3.78
4	0.04	30	5822	93.77	16	2.6	530	3955	63.70	28	170.0	48	170	2.74
5	0.06	15	5792	93.28	17	3.7	486	3425	55.16	29	240.0	40	122	1.96
6	0.08	77	5777	93.04	18	5.2	521	2939	47.33	30	330.0	41	82	1.32
7	0.11	41	5700	91.80	19	7.3	445	2418	38.94	31	470.0	25	41	0.66
8	0.16	70	5659	91.14	20	10.0	459	1973	31.78	32	670.0	13	16	0.26
9	0.23	107	5589	90.01	21	15.0	345	1514	24.38	33	940.0	3	3	0.05
10	0.32	120	5482	88.29	22	21.0	267	1169	18.83	34				
11	0.46	163	5362	86.36	23	29.0	227	902	14.53					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.01
P90 =	0.23
P75 =	1.4
P70 =	2.0
P50 =	4.7
P25 =	14.6
P10 =	46.2

## 03376260 FLAT CREEK NEAR OTWELL, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.44 6	0.68 3	2.10 7	2.60 5
1967	0.00 2	0.00 2	0.00 2	0.00 2	0.00 2	0.08 1	0.26 1	0.31 1	0.57 1
1968	0.00 3	0.00 3	0.00 3	0.02 6	0.05 5	0.80 7	0.96 6	1.30 5	1.70 3
1969	0.00 4	0.00 4	0.00 4	0.00 3	0.19 7	0.28 4	0.31 2	1.10 2	3.00 6
1970	0.00 5	0.03 9	0.68 13	0.82 13	1.19 13	3.30 12	3.80 12	7.50 13	10.00 14
1971	0.00 6	0.00 5	0.00 5	0.04 7	0.72 9	3.60 13	4.60 13	5.80 12	6.80 11
1972	0.00 7	0.00 6	0.00 6	0.04 8	0.16 6	0.38 5	0.70 4	1.19 4	4.90 9
1973	0.00 8	0.00 7	0.00 7	0.00 4	0.03 4	0.18 2	0.96 7	1.10 3	2.40 4
1974	0.53 13	0.59 13	0.65 12	0.69 12	0.83 11	1.60 9	1.80 9	2.60 8	9.90 13
1975	0.79 17	0.85 17	1.80 17	2.00 17	2.90 17	6.70 16	7.40 15	8.40 14	14.00 16
1976	0.14 12	0.15 12	0.30 11	0.43 11	0.76 10	4.60 14	6.20 14	8.40 15	9.10 12
1977	0.00 9	0.00 8	0.00 8	0.00 5	0.01 3	0.22 3	0.79 5	1.80 6	1.30 2
1978	0.03 11	0.05 11	0.12 9	0.37 10	1.10 12	8.20 17	7.70 16	9.80 16	12.00 15
1979	0.01 10	0.04 10	0.16 10	0.26 9	0.55 8	1.10 8	1.50 8	3.80 10	4.20 8
1980	0.75 15	0.79 16	0.95 16	1.10 16	2.40 16	4.90 15	11.00 17	26.00 17	29.00 17
1981	0.56 14	0.64 14	0.81 14	0.90 14	1.40 14	1.80 10	2.50 10	2.60 9	3.50 7
1982	0.77 16	0.79 15	0.90 15	1.00 15	1.40 15	1.90 11	3.40 11	4.10 11	6.50 10

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	880.00 5	475.00 7	236.00 8	115.00 11	88.00 8	48.00 16	40.00 17	32.00 17	23.00 17
1966	762.00 8	389.00 10	211.00 12	114.00 12	71.00 14	44.00 17	43.00 15	42.00 10	31.00 11
1967	532.00 15	459.00 8	215.00 11	139.00 6	83.00 10	50.00 14	46.00 12	37.00 13	30.00 12
1968	682.00 10	355.00 13	220.00 10	109.00 14	70.00 15	49.00 15	46.00 13	40.00 11	37.00 9
1969	856.00 6	644.00 2	306.00 4	250.00 1	140.00 1	92.00 2	69.00 3	59.00 3	46.00 4
1970	664.00 11	370.00 12	180.00 14	122.00 9	76.00 12	69.00 6	59.00 6	49.00 7	39.00 7
1971	646.00 12	248.00 17	166.00 16	98.00 16	64.00 16	54.00 10	43.00 14	35.00 15	27.00 15
1972	804.00 7	731.00 1	400.00 1	219.00 2	116.00 3	89.00 3	65.00 4	51.00 5	37.00 10
1973	597.00 14	437.00 9	252.00 7	135.00 8	88.00 9	76.00 5	59.00 7	51.00 6	43.00 5
1974	614.00 13	300.00 15	178.00 15	110.00 13	81.00 11	52.00 11	49.00 9	45.00 8	38.00 8
1975	1040.00 1	481.00 5	227.00 9	116.00 10	109.00 4	82.00 4	72.00 2	66.00 2	56.00 2
1976	429.00 16	268.00 16	158.00 17	83.00 17	59.00 17	51.00 13	47.00 10	39.00 12	30.00 13
1977	1040.00 2	388.00 11	187.00 13	99.00 15	74.00 13	52.00 12	42.00 16	32.00 16	25.00 16
1978	943.00 3	525.00 4	312.00 3	174.00 5	104.00 6	64.00 8	60.00 5	52.00 4	48.00 3
1979	881.00 4	639.00 3	327.00 2	193.00 3	124.00 2	98.00 1	81.00 1	72.00 1	67.00 1
1980	383.00 17	314.00 14	264.00 5	137.00 7	91.00 7	65.00 7	50.00 8	42.00 9	42.00 6
1981	687.00 9	477.00 6	264.00 6	182.00 4	108.00 5	62.00 9	46.00 11	36.00 14	27.00 14

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	12.00 1
1967	15.00 5
1968	21.00 6
1969	25.00 11
1970	24.00 9
1971	21.00 7
1972	14.00 4
1973	25.00 10
1974	27.00 12
1975	34.00 16
1976	23.00 8
1977	12.00 2
1978	27.00 13
1979	31.00 14
1980	42.00 17
1981	14.00 3
1982	31.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	12.00 17
1966	16.00 13
1967	16.00 14
1968	20.00 9
1969	28.00 4
1970	23.00 8
1971	18.00 12
1972	19.00 10
1973	27.00 6
1974	24.00 7
1975	32.00 2
1976	19.00 11
1977	15.00 15
1978	28.00 5
1979	47.00 1
1980	30.00 3
1981	15.00 16

03376260 FLAT CREEK NEAR OTWELL, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	0.00	0.00	2.64	8.13	68.90	29.50	26.00	1.40	3.17	6.35	0.18	7.13
1966	1.03	0.48	0.56	17.10	67.20	23.50	39.10	40.10	1.94	0.10	0.11	0.81
1967	0.27	0.60	27.60	7.85	9.79	48.60	21.90	63.00	3.22	1.13	2.30	0.07
1968	1.56	4.19	50.90	19.20	42.20	45.40	34.20	28.40	4.29	5.36	3.15	0.42
1969	0.20	4.92	56.40	123.00	20.00	15.00	34.00	24.50	7.62	41.90	5.65	2.84
1970	4.42	25.30	14.90	21.30	33.70	70.70	65.40	11.00	12.20	5.43	10.60	2.19
1971	6.45	9.92	15.30	42.90	67.00	11.20	5.16	16.40	9.88	8.15	20.30	3.31
1972	0.23	0.59	11.90	11.80	19.60	55.70	115.00	8.84	3.82	1.37	2.69	0.23
1973	0.13	19.60	33.20	28.50	15.10	67.10	80.10	25.70	26.90	19.30	3.70	1.76
1974	1.68	17.00	33.50	62.00	18.20	39.70	30.40	35.10	14.90	6.44	11.80	12.30
1975	2.90	49.80	31.70	52.50	70.50	88.20	48.10	12.00	6.69	17.80	9.93	2.41
1976	7.76	29.00	54.20	31.40	39.70	15.10	3.07	15.80	21.50	3.39	1.89	0.34
1977	4.10	2.04	0.83	0.04	22.70	71.70	21.20	11.20	16.20	5.09	13.90	8.28
1978	24.00	23.30	80.70	8.79	8.10	101.00	21.10	52.20	1.71	3.86	11.30	1.01
1979	1.75	9.66	56.10	64.30	74.80	71.60	63.40	25.70	50.20	110.00	30.10	3.88
1980	5.96	90.80	37.70	17.90	19.80	48.90	35.50	23.20	27.60	29.60	15.00	3.65
1981	1.68	4.30	2.51	2.07	10.30	7.76	14.30	102.00	13.50	10.80	7.66	3.51
1982	2.35	5.02	24.70	91.90	41.90	55.00	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.26	1.68	9.58	8.62	17.39	21.40
FIFTIETH PERCENTILE					
1.71	7.34	29.60	20.19	28.20	48.70
SEVENTY FIFTH PERCENTILE					
4.80	23.80	51.70	54.90	67.00	70.90
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
21.10	11.60	3.52	3.62	2.49	0.62
FIFTIETH PERCENTILE					
34.00	24.50	9.88	6.35	7.66	2.41
SEVENTY FIFTH PERCENTILE					
55.70	37.60	18.80	18.50	12.90	3.76

## 03376300 PATOKA RIVER AT WINSLOW, IN

LOCATION.--Lat 38°22'48", long 87°13'00", in SW¼SW¼ sec.32, T.1 S., R.7 W., Pike County, Hydrologic Unit 05120209, on right bank at abandoned bridge abutment, 65 ft upstream from bridge on State Highway 61, 100 ft downstream from dam of Winslow Water Company, and 41.3 mi above mouth.

DRAINAGE AREA.--603 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1963 to September 1974 (discontinued). Discharge measurements and gage readings June 1961 to September 1963, obtained by Indiana Flood Control and Water Resources Commission, are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929 (levels by Indiana Flood Control and Water Resources Commission). Prior to Nov. 21, 1963, nonrecording gage on downstream side of bridge 65 ft downstream at same datum.

AVERAGE DISCHARGE.--11 years, 678 ft<sup>3</sup>/s, 15.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft<sup>3</sup>/s Mar. 13, 1964, gage height, 28.84 ft; minimum daily, 0.5 ft<sup>3</sup>/s Aug. 5, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 28.9 ft, from floodmarks, information from Indiana Flood Control and Water Resources Commission.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1964		1		1	6	13	14	30	29	20	18	28	13	16	12	24	22	16	10	10	8	2	5	7	14	10	16	4	3	2	2	2	2	4	2
1965		1	2	1	7	12	14	10	14	18	14	16	3	7	8	22	10	13	14	17	14	18	18	25	30	25	5	14	6	7					
1966										10	8	42	35	24	26	33	23	11	8	16	11	9	10	8	12	8	26	20	17	8					
1967								2	6	31	13	22	13	15	18	19	13	23	31	21	24	16	15	12	7	9	17	11	16	6	5				
1968								13	10	7	5	3	10	14	14	18	21	43	25	12	18	16	12	15	12	39	33	26							
1969									6	10	8	6	12	9	17	9	7	18	19	21	23	25	14	20	27	40	24	24	16	6	4				
1970											2	11	23	22	21	13	15	13	9	22	15	16	12	18	16	24	58	26	12	17					
1971											6	6	2	3	14	20	16	15	22	15	33	37	29	30	20	26	45	15	11						
1972		9	10	9	16	3	8	9	5	9	8	8	4	14	27	20	14	12	13	11	13	4	21	17	35	12	14	24	3	4	2	7	1		
1973			7	3	5	7	14	7	4	8	6	5	3	4	2	5	6	2	11	10	17	18	34	18	29	33	52	21	14	13	7				
1974											3	29	16	11	17	9	12	9	14	19	13	21	12	15	24	29	56	40	11	5					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	4018	100.00	12	16.0	121	3339	83.10	24	660.0	222	1302	32.40
1	0.50	11	4018	100.00	13	21.0	138	3218	80.09	25	910.0	215	1080	26.88
2	0.68	19	4007	99.73	14	29.0	168	3080	76.66	26	1200.0	368	865	21.53
3	0.93	14	3988	99.25	15	40.0	196	2912	72.47	27	1700.0	232	497	12.37
4	1.3	34	3974	98.90	16	54.0	158	2716	67.60	28	2300.0	143	265	6.60
5	1.8	35	3940	98.06	17	74.0	142	2558	63.66	29	3200.0	78	122	3.04
6	2.4	50	3905	97.19	18	100.0	193	2416	60.13	30	4300.0	22	44	1.10
7	3.3	58	3855	95.94	19	140.0	185	2223	55.33	31	5900.0	13	22	0.55
8	4.5	71	3797	94.50	20	190.0	181	2038	50.72	32	8100.0	3	9	0.22
9	6.1	112	3726	92.73	21	260.0	182	1857	46.22	33	11000.0	4	6	0.15
10	8.3	95	3614	89.95	22	350.0	197	1675	41.69	34	15000.0	2	2	0.05
11	11.0	180	3519	87.58	23	480.0	176	1478	36.78					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 4.1  
P90 = 8.3  
P75 = 33.4  
P70 = 47.1  
P50 = 201.0  
P25 = 1010.0  
P10 = 1950.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1965	0.50 1	0.73 2	1.30 2	1.60 2	2.10 2	4.20 2	6.60 1	8.90 1	48.00 2
1966	3.30 4	3.30 4	3.80 4	4.60 4	6.50 4	30.00 6	57.00 6	88.00 8	104.00 5
1967	4.40 5	4.50 5	5.00 5	6.40 6	12.00 6	16.00 4	20.00 4	21.00 3	28.00 1
1968	5.00 6	5.00 6	5.30 6	6.00 5	6.50 5	29.00 5	47.00 5	51.00 4	71.00 4
1969	5.50 7	5.60 7	6.20 7	9.20 7	14.00 7	40.00 7	64.00 7	83.00 7	191.00 7
1970	17.00 10	18.00 10	20.00 10	23.00 9	50.00 10	64.00 9	255.00 10	349.00 10	431.00 10
1971	8.80 8	8.90 8	9.60 8	11.00 8	18.00 8	75.00 10	73.00 9	108.00 9	216.00 8
1972	12.00 9	12.00 9	15.00 9	29.00 10	39.00 9	45.00 8	71.00 8	77.00 5	120.00 6
1973	0.58 2	0.59 1	0.61 1	0.66 1	0.94 1	2.30 1	8.20 2	12.00 2	50.00 3
1974	2.10 3	2.10 3	2.40 3	2.60 3	4.70 3	14.00 3	14.00 3	77.00 6	270.00 9

## 03376300 PATOKA RIVER AT WINSLOW, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1964	15200.00 1	15000.00 1	13500.00 1	9280.00 1	5340.00 1	3240.00 1	2220.00 1	1710.00 4	1150.00 6
1965	4240.00 6	4160.00 6	3860.00 6	3170.00 7	2440.00 7	1660.00 6	1360.00 11	1170.00 10	819.00 11
1966	3800.00 8	3690.00 8	3450.00 8	2950.00 9	2080.00 11	1390.00 11	1490.00 8	1310.00 7	1020.00 8
1967	5220.00 4	5100.00 4	4590.00 4	3840.00 5	2740.00 5	1550.00 9	1540.00 7	1250.00 8	973.00 10
1968	2810.00 11	2780.00 11	2670.00 11	2480.00 11	2090.00 10	1410.00 10	1370.00 10	1160.00 11	1150.00 7
1969	7300.00 3	7030.00 3	6170.00 3	4570.00 3	3590.00 2	2620.00 4	2050.00 4	1720.00 3	1560.00 1
1970	4050.00 7	3870.00 7	3690.00 7	3430.00 6	2650.00 6	2330.00 5	1990.00 5	1770.00 1	1410.00 3
1971	3000.00 10	3000.00 10	2910.00 10	2590.00 10	2200.00 8	1620.00 7	1450.00 9	1230.00 9	992.00 9
1972	8200.00 2	8030.00 2	7570.00 2	5740.00 2	3500.00 3	2650.00 3	2070.00 2	1630.00 5	1230.00 5
1973	5060.00 5	4940.00 5	4550.00 5	3890.00 4	3010.00 4	2690.00 2	2070.00 3	1760.00 2	1520.00 2
1974	3540.00 9	3490.00 9	3320.00 9	2990.00 8	2180.00 9	1620.00 8	1640.00 6	1540.00 6	1330.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1965	468.00 3
1966	416.00 1
1967	483.00 4
1968	637.00 5
1969	851.00 8
1970	856.00 9
1971	843.00 7
1972	443.00 2
1973	822.00 6
1974	883.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1964	582.00 8
1965	456.00 11
1966	528.00 9
1967	511.00 10
1968	670.00 5
1969	990.00 1
1970	808.00 3
1971	606.00 7
1972	626.00 6
1973	893.00 2
1974	786.00 4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1964	4.04	6.83	13.80	56.30	45.50	5126.0	1063.0	292.00	181.00	104.00	9.58	17.20
1965	2.84	7.70	187.00	591.00	2001.0	1292.0	833.00	150.00	77.60	211.00	7.46	244.00
1966	105.00	28.60	35.00	880.00	1787.0	746.00	1123.0	1609.0	46.30	13.50	23.70	34.40
1967	14.20	41.80	701.00	209.00	366.00	1576.0	349.00	2572.0	72.10	54.50	98.30	9.44
1968	49.00	147.00	1609.0	449.00	1225.0	978.00	1778.0	615.00	871.00	97.90	128.00	132.00
1969	15.00	152.00	1352.0	2359.0	2423.0	428.00	1673.0	1235.0	257.00	1305.0	393.00	382.00
1970	49.20	711.00	484.00	605.00	1186.0	2007.0	2085.0	1622.0	764.00	50.30	146.00	31.70
1971	238.00	517.00	622.00	987.00	1830.0	1324.0	427.00	743.00	240.00	128.00	171.00	131.00
1972	53.00	39.50	443.00	501.00	587.00	1828.0	3426.0	611.00	13.40	20.60	20.80	0.94
1973	3.79	376.00	1198.0	982.00	737.00	2487.0	2495.0	965.00	718.00	581.00	148.00	4.87
1974	23.50	313.00	778.00	1915.0	1028.0	1639.0	1410.0	777.00	920.00	47.20	189.00	408.00
1976	*	*	*	*	*	*	*	*	*	*	*	*
1977	*	*	*	*	545.00	2239.0	1844.0	667.00	*	*	*	*

## WABASH RIVER BASIN

03376300 PATOKA RIVER AT WINSLOW, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.04	28.60	187.00	449.00	556.00	1057.00
FIFTIETH PERCENTILE					
23.50	147.00	622.00	605.00	1107.00	1608.00
SEVENTY FIFTH PERCENTILE					
53.00	376.00	1198.00	987.00	1819.00	2181.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
891.00	612.00	72.10	47.20	20.80	9.44
FIFTIETH PERCENTILE					
1542.00	760.00	240.00	97.90	128.00	34.40
SEVENTY FIFTH PERCENTILE					
2025.00	1516.00	764.00	211.00	171.00	244.00

## 03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

LOCATION.--Lat 38°17'50", long 87°15'39", in SE¼NE¼ sec.35, T.2 S., R.8 W., Pike County, Hydrologic Unit 05120209, on right bank at downstream side of bridge on State Highway 61, 0.5 mi north of Enos Corner, 3.1 mi north of Spurgeon, and at mile 8.0.

DRAINAGE AREA.--42.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1964 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 420.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Regulation by coal-washing operation and strip-mining above gage.

AVERAGE DISCHARGE.--21 years, 52.4 ft<sup>3</sup>/s, 16.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,900 ft<sup>3</sup>/s June 9, 1979, gage height, 15.07 ft, from rating curve extended above 3,300 ft<sup>3</sup>/s on basis of contracted-opening and flow over-the-road measurements at gage height of 15.07 ft; no flow Jan. 20-31, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1964 reached a stage of 13.09 ft, from floodmarks, discharge, 4,000 ft<sup>3</sup>/s.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1965										6	23	39	20	26	25	33	30	26	27	32	30	13	7	14	2	6	2	2	1		1					
1966												6	70	75	34	19	16	32	21	24	18	13	8	7	5	6	5	4		1	1					
1967												8	27	29	31	41	46	51	41	25	19	8	12	8	6	3	5	2	2	1						
1968												4	7	22	50	38	25	58	28	20	27	28	17	12	10	10	4	1	3	2						
1969													11	20	16	18	41	50	36	50	41	22	12	16	5	9	6	2	5	4	1					
1970														10	32	44	34	42	37	25	26	23	23	24	11	13	9	7	4				1			
1971													6	35	51	35	42	35	39	27	29	19	12	15	4	8	4	3		1						
1972												12	31	45	50	40	33	21	19	27	25	20	14	6	5	5	4	2	1	3	3					
1973												9	24	16	26	19	25	19	23	32	42	31	27	24	11	21	7	4	3	1	1					
1974													23	27	25	19	30	25	31	33	46	29	22	19	9	13	8	4	1	1						
1975													4	14	32	41	25	23	36	47	34	23	31	11	21	6	4	6	3	2		1	1			
1976													2	13	25	40	35	34	44	63	32	21	15	10	6	9	7	6	2		1	1				
1977	12	2		1	1	1	7	9	5	10	4	3	6	46	51	29	29	24	23	20	19	12	12	7	9	9	7	2	4				1			
1978												1	19	26	37	27	19	35	51	33	39	14	16	12	12	10	6	3	3		1	1				
1979												6	13	16	10	5	4	13	36	32	34	37	39	22	19	13	12	9	5	3		1	3	1		
1980													16	24	17	27	39	46	48	50	30	27	11	8	7	5	4	4	3							
1981													31	82	66	50	26	20	28	13	11	10	4	10	5	3	3	1	1	1						
1982												5	11	40	33	40	34	33	34	29	24	22	16	13	4	8	8	3	1	2	2	2		1		
1983													1	11	15	37	35	30	33	46	29	30	14	19	18	14	13	3	6	3	1	5		2		
1984													5	25	51	18	20	44	45	36	23	19	28	22	7	7	6	6	2		2					
1985													11	24	51	50	24	31	39	33	28	19	17	7	10	7	2	4	2	3	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	12	7670	100.00	12	4.2	307	7496	97.73	24	120.0	177	741	9.66
1	0.20	2	7658	99.84	13	5.6	595	7189	93.73	25	150.0	211	564	7.35
2	0.26	0	7656	99.82	14	7.3	690	6594	85.97	26	200.0	135	353	4.60
3	0.35	1	7656	99.82	15	9.7	652	5904	76.98	27	270.0	77	218	2.84
4	0.46	1	7655	99.80	16	13.0	642	5252	68.47	28	350.0	62	141	1.84
5	0.61	1	7654	99.79	17	17.0	680	4610	60.10	29	470.0	33	79	1.03
6	0.80	7	7653	99.78	18	22.0	696	3930	51.24	30	610.0	22	46	0.60
7	1.1	9	7646	99.69	19	29.0	690	3234	42.16	31	810.0	12	24	0.31
8	1.4	5	7637	99.57	20	39.0	642	2544	33.17	32	1100.0	4	12	0.16
9	1.8	16	7632	99.50	21	51.0	460	1902	24.80	33	1400.0	7	8	0.10
10	2.4	27	7616	99.30	22	67.0	365	1442	18.80	34	1900.0	1	1	0.01
11	3.2	93	7589	98.94	23	88.0	336	1077	14.04					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 5.2  
P90 = 6.4  
P75 = 10.5  
P70 = 12.4  
P50 = 23.0  
P25 = 50.7  
P10 = 118.0

## 03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	2.30 2	2.40 2	3.20 2	3.60 2	4.40 2	6.70 7	8.00 4	11.00 9	13.00 7
1967	3.80 7	3.90 6	4.40 6	4.60 5	5.20 5	6.60 5	7.00 3	7.30 2	9.00 2
1968	3.20 3	3.60 3	3.60 3	4.40 4	5.10 4	6.40 4	9.10 8	12.00 10	16.00 11
1969	4.20 9	4.70 10	5.20 10	5.70 10	7.10 11	7.80 10	8.90 6	10.00 6	15.00 9
1970	8.00 19	8.40 19	8.90 19	10.00 18	12.00 17	14.00 17	26.00 19	28.00 19	35.00 19
1971	5.60 15	5.70 14	6.50 15	7.50 14	8.70 14	10.00 14	14.00 14	17.00 13	19.00 12
1972	5.00 11	5.20 11	5.50 11	5.80 11	7.80 12	8.80 12	10.00 12	11.00 7	13.00 8
1973	3.50 4	3.60 4	3.80 4	4.10 3	4.50 3	4.70 2	6.00 2	9.40 4	12.00 4
1974	3.70 6	4.40 9	4.90 9	5.30 9	6.40 9	8.20 11	8.10 5	12.00 11	24.00 14
1975	5.40 12	5.90 15	6.10 13	7.60 15	12.00 18	14.00 18	18.00 16	20.00 16	33.00 17
1976	6.10 17	6.40 17	7.00 16	11.00 19	12.00 19	14.00 19	19.00 17	18.00 14	28.00 15
1977	0.00 1	0.00 1	0.00 1	0.03 1	0.54 1	1.60 1	4.20 1	7.20 1	8.40 1
1978	6.10 18	7.40 18	7.80 18	9.30 17	10.00 15	12.00 15	13.00 13	22.00 17	22.00 13
1979	3.50 5	3.70 5	4.50 7	5.10 8	6.10 8	6.70 6	9.30 9	9.90 5	13.00 5
1980	17.00 20	18.00 20	18.00 20	22.00 20	28.00 20	33.00 20	50.00 20	67.00 20	62.00 20
1981	4.20 10	4.30 8	4.40 5	5.00 7	5.70 7	7.40 8	9.10 7	9.20 3	9.50 3
1982	4.00 8	4.20 7	4.50 8	4.70 6	5.30 6	6.20 3	9.40 10	12.00 12	13.00 6
1983	5.60 16	6.10 16	7.30 17	7.80 16	8.00 13	10.00 13	21.00 18	24.00 18	33.00 18
1984	5.50 13	5.50 12	5.80 12	6.50 12	11.00 16	13.00 16	15.00 15	19.00 15	30.00 16
1985	5.50 14	5.60 13	6.40 14	6.80 13	7.00 10	7.80 9	9.60 11	11.00 8	16.00 10

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	710.00 13	498.00 10	283.00 14	159.00 17	131.00 14	87.00 15	74.00 19	66.00 19	50.00 20
1966	738.00 12	418.00 16	258.00 15	150.00 20	110.00 20	79.00 19	76.00 17	73.00 17	55.00 17
1967	489.00 21	406.00 17	235.00 19	170.00 15	116.00 18	73.00 21	71.00 20	62.00 20	52.00 19
1968	521.00 18	316.00 19	246.00 17	156.00 19	116.00 19	80.00 18	80.00 16	75.00 16	71.00 14
1969	793.00 10	601.00 7	354.00 8	265.00 7	175.00 7	122.00 11	98.00 11	89.00 10	75.00 12
1970	889.00 9	495.00 11	307.00 12	213.00 9	151.00 10	149.00 7	132.00 6	118.00 5	94.00 5
1971	519.00 19	272.00 21	222.00 20	166.00 16	117.00 17	83.00 17	75.00 18	66.00 18	54.00 18
1972	785.00 11	732.00 6	483.00 5	332.00 5	197.00 6	147.00 8	117.00 9	93.00 9	70.00 15
1973	621.00 15	430.00 15	311.00 10	201.00 11	155.00 9	150.00 6	127.00 7	112.00 7	92.00 6
1974	536.00 17	273.00 20	173.00 21	132.00 21	104.00 21	85.00 16	86.00 14	80.00 13	77.00 11
1975	1640.00 4	935.00 3	487.00 4	289.00 6	207.00 5	191.00 4	169.00 3	156.00 3	126.00 3
1976	978.00 8	487.00 12	295.00 13	158.00 18	127.00 15	94.00 14	86.00 15	78.00 15	71.00 13
1977	1320.00 6	528.00 9	308.00 11	190.00 13	146.00 12	129.00 10	113.00 10	88.00 11	63.00 16
1978	995.00 7	590.00 8	365.00 7	231.00 8	147.00 11	111.00 12	95.00 12	79.00 14	78.00 10
1979	3640.00 1	1650.00 1	878.00 1	476.00 2	312.00 2	274.00 1	217.00 1	185.00 1	178.00 1
1980	591.00 16	461.00 13	336.00 9	191.00 12	136.00 13	107.00 13	89.00 13	80.00 12	80.00 9
1981	502.00 20	393.00 18	239.00 18	182.00 14	124.00 16	77.00 20	59.00 21	53.00 21	40.00 21
1982	1730.00 3	910.00 4	463.00 6	379.00 4	234.00 4	167.00 5	134.00 5	113.00 6	87.00 7
1983	1860.00 2	1280.00 2	767.00 2	492.00 1	329.00 1	259.00 2	199.00 2	162.00 2	138.00 2
1984	702.00 14	454.00 14	258.00 16	209.00 10	161.00 8	145.00 9	119.00 8	100.00 8	82.00 8
1985	1330.00 5	828.00 5	563.00 3	401.00 3	236.00 3	191.00 3	148.00 4	128.00 4	106.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	26.00 2
1967	32.00 4
1968	44.00 6
1969	46.00 7
1970	55.00 13
1971	50.00 8
1972	29.00 3
1973	52.00 10
1974	56.00 14
1975	72.00 18
1976	60.00 16
1977	40.00 5
1978	50.00 9
1979	58.00 15
1980	112.00 20
1981	24.00 1
1982	54.00 12
1983	53.00 11
1984	81.00 19
1985	66.00 17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	31.00 20
1966	32.00 19
1967	33.00 18
1968	43.00 14
1969	53.00 8
1970	57.00 6
1971	36.00 17
1972	40.00 15
1973	59.00 5
1974	50.00 11
1975	77.00 3
1976	50.00 12
1977	39.00 16
1978	48.00 13
1979	118.00 1
1980	53.00 9
1981	25.00 21
1982	55.00 7
1983	86.00 2
1984	50.00 10
1985	64.00 4



03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	3.35	6.28	25.60	41.50	105.00	66.30	52.20	12.50	11.40	22.90	7.00	22.80
1966	10.90	7.35	6.20	31.00	92.10	45.00	82.50	72.60	15.60	6.02	7.80	8.02
1967	7.32	11.00	43.60	21.70	33.00	74.80	34.10	99.30	16.10	34.80	13.00	5.31
1968	11.50	24.20	99.00	49.30	63.40	79.90	72.80	57.60	22.50	15.80	12.30	11.80
1969	7.13	20.10	79.20	140.00	62.90	49.20	63.00	48.50	32.00	57.80	46.70	28.10
1970	14.70	47.30	40.60	43.50	97.70	145.00	148.00	68.10	40.00	20.40	14.50	9.78
1971	26.90	23.70	36.60	48.40	117.00	49.70	32.80	35.30	24.70	15.90	11.60	17.10
1972	9.29	9.26	27.20	23.80	43.60	97.40	191.00	37.80	11.00	18.90	8.73	5.00
1973	5.80	35.10	68.40	54.70	47.60	138.00	143.00	80.90	80.00	26.00	22.10	7.60
1974	9.42	39.20	59.40	84.70	40.80	84.00	80.40	83.40	54.80	12.20	25.60	26.10
1975	16.20	69.40	72.00	120.00	125.00	188.00	170.00	78.50	32.40	21.00	22.80	15.30
1976	25.40	60.90	87.20	69.90	88.30	46.80	23.60	65.50	90.60	19.50	10.90	12.60
1977	15.20	9.79	4.84	0.81	113.00	117.00	72.50	50.70	13.80	11.40	44.50	17.70
1978	32.10	46.60	106.00	29.70	26.10	142.00	69.70	67.60	13.30	15.00	9.48	13.20
1979	7.41	22.70	79.10	124.00	148.00	136.00	152.00	74.60	227.00	283.00	127.00	39.20
1980	27.80	133.00	79.30	53.00	43.00	101.00	70.50	45.50	29.80	33.50	10.10	10.20
1981	9.72	12.20	8.08	6.93	31.90	21.20	35.20	111.00	24.40	10.00	23.90	8.90
1982	6.95	12.80	35.00	186.00	89.90	101.00	58.50	27.80	47.40	11.00	16.10	72.70
1983	31.80	59.60	154.00	53.30	36.20	71.10	223.00	263.00	80.40	26.00	16.80	11.20
1984	30.20	54.50	47.00	23.40	46.30	146.00	135.00	65.70	17.70	12.30	8.11	12.90
1985	15.70	47.10	90.30	44.30	229.00	126.00	78.00	59.30	52.00	14.80	14.40	11.80

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
7.36	11.60	31.10	26.70	41.90	58.00
FIFTIETH PERCENTILE					
11.50	24.19	59.40	48.40	63.40	97.40
SEVENTY FIFTH PERCENTILE					
26.10	50.90	83.20	77.30	109.00	137.00
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
55.30	47.00	15.80	12.30	9.79	9.34
FIFTIETH PERCENTILE					
72.80	65.70	29.80	18.89	14.40	12.60
SEVENTY FIFTH PERCENTILE					
146.00	79.70	53.40	26.00	23.30	20.19

## 03376500 PATOKA RIVER NEAR PRINCETON, IN

LOCATION.--Lat 38°23'30", long 87°32'55", in Location 107, T.1 S., R.10 W., Gibson County, Hydrologic Unit 05120209, on left bank 75 ft upstream from dam of Princeton Water and Lighting Co., 0.1 mi downstream from bridge on State Highway 65, 0.6 mi downstream from Indian Creek, 2 mi northeast of Princeton, and at mile 21.5.

DRAINAGE AREA.--822 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1934 to September 1985. Published as "at Patoka" August 1934 to September 1940. Records published for both sites October 1939 to September 1940 (monthly discharge only at present site, for October, November 1939, published in WSP 1305).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 394.14 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). See WSP 1725 for history of changes prior to Jan. 21, 1941.

REMARKS.--Flow regulated by Patoka Lake.

AVERAGE DISCHARGE.--51 years, 1,037 ft<sup>3</sup>/s, 17.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,700 ft<sup>3</sup>/s Jan. 26, 1937, gage height, 26.80 ft, site and datum then in use; no flow Aug. 29 to Sept. 12, 1936.

## \*\*\*\*\* STATISTICS ON DATA COLLECTED PRIOR TO STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1935	NUMBER OF DAYS IN CLASS																																			
	14	28	30	15	20	20	21	30	25	21	17	16	9	27	56	5	9	2																		
1936	15	1	2		1	2	1	1	2	4	11	20	11	20	18	13	17	33	25	37	13	29	13	10	12	14	8	7	14	12						
1937													2	4	20	17	18	17	25	14	21	18	16	20	26	23	17	23	27	20	13	6	5	12	1	
1938															8	18	21	24	14	12	21	25	6	10	14	12	30	95	55							
1939								3	2	1	4	6	15	23	12	10	8	18	35	17	20	18	15	17	15	14	11	24	27	37	5					
1940								7	7	5	12	15	26	34	33	18	26	12	12	16	14	21	16	11	13	3	7	12	25	7	6	7	1			
1941		4			2	3	4	4	3	4	1	9	3	19	17	18	24	30	43	52	26	20	21	16	16	10	8	8								
1942						3	4				1	3	3	12	14	5	20	11	17	22	15	10	19	20	34	9	28	37	53	25						
1943						2	15	6	9	4	8	6	16	9	11	11	7	11	30	21	18	21	16	13	18	16	38	24	21	5	9					
1944						3	8	3	6			12	39	10	27	26	41	18	18	24	20	13	7	10	7	5	5	8	27	7	18	4				
1945							1	2			3	10	1	4	9	6	22	27	22	24	17	19	19	18	26	15	18	15	13	37	17	7	5	8		
1946																10	13	7	12	19	22	20	27	25	19	9	33	41	51	48	9					
1947															9	35	18	20	18	25	22	17	29	16	3	17	37	33	33	33						
1948													6	43	19	41	40	24	19	9	10	6	11	9	12	20	43	7	25	3						
1949													7	8	15	8	25	23	20	11	13	18	14	12	15	23	39	25	44	31	8	6				
1950														4	3	12	9	20	30	13	18	17	15	7	13	37	50	30	15	33	27	10	2			
1951													5	3	6	6	17	25	30	18	9	17	21	15	14	7	9	19	56	50	38					
1952													5	21	19	22	28	14	14	14	10	12	15	8	8	18	17	33	21	61	23	3				
1953												6	21	19	43	33	14	22	22	14	6	14	8	12	14	12	43	31	31							
1954													21	52	36	18	17	21	26	22	19	15	18	28	10	19	7									
1955								1	4	9	7	15	8	21	22	11	24	21	19	23	17	17	15	15	11	18	44	20	22	34	3					
1956														1	3	13	16	15	29	42	22	20	21	13	16	15	50	19	26	22	23					
1957														2	44	19	17	19	18	28	17	24	19	14	12	9	22	32	30	25	12	2				
1958														3	17	3	6	10	14	19	13	20	10	16	12	28	31	30	61	38	29	5				
1959															2	15	12	13	15	35	25	33	40	27	20	18	25	44	22	4	5	5	5			
1960															2	22	11	11	10	6	37	22	21	33	34	12	23	38	54	30						
1961															11	14	10	32	39	37	40	27	10	9	4	5	7	19	22	23	38	4	3	4	7	
1962														6	16	16	15	15	17	25	28	14	18	35	25	16	26	16	16	24	25	12				
1963														3	15	6	19	29	26	28	37	24	42	34	29	9	17	7	3	10	12	15				
1964												6	27	40	28	26	25	32	28	38	11	15	10	8	3	5	11	29	3	4	4	3	4	6		
1965								2	5	10	10	10	18	17	14	18	19	26	27	19	17	22	16	14	41	31	2	24	13							
1966														8	9	19	42	43	59	16	11	20	15	6	4	6	23	35	38	11						
1967													2	7	12	13	26	17	21	31	34	31	32	22	18	15	18	20	15	20	11					
1968														4	8	13	14	13	28	27	49	25	13	25	13	19	27	59	29							
1969															10	18	19	9	14	12	15	20	15	29	13	78	64	27	6	5	11					
1970																4	20	34	26	17	17	13	13	22	14	69	48	34	30	4						
1971																5	4	16	17	19	19	23	35	42	26	42	47	43	7	17	3					
1972															10	10	20	33	47	46	21	7	10	6	26	26	39	11	28	10	5	5	6			
1973													3	7	7	3	17	11	11	6	9	7	17	31	40	57	50	30	22	20						
1974														3	8	19	23	17	18	9	14	15	14	30	21	50	71	38	15							
1975																	3	17	24	20	22	19	15	23	17	30	45	65	23	35	7					
1976																	13	9	9	34	25	44	18	11	19	34	64	35	45	6						

## 03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	15	15341	100.00	12	5.6	194	14978	97.63	24	450.0	672	6579	42.89
1	0.10	5	15326	99.90	13	8.1	455	14784	96.37	25	660.0	713	5907	38.50
2	0.14	2	15321	99.87	14	12.0	538	14329	93.40	26	950.0	1166	5194	33.86
3	0.21	0	15319	99.86	15	17.0	554	13791	89.90	27	1400.0	1226	4028	26.26
4	0.30	3	15319	99.86	16	24.0	759	13237	86.29	28	2000.0	1224	2802	18.26
5	0.43	10	15316	99.84	17	35.0	832	12478	81.34	29	2800.0	958	1578	10.29
6	0.62	28	15306	99.77	18	51.0	924	11646	75.91	30	4100.0	414	620	4.04
7	0.90	29	15278	99.59	19	73.0	1086	10722	69.89	31	5900.0	122	206	1.34
8	1.3	39	15249	99.40	20	110.0	722	9636	62.81	32	8500.0	48	84	0.55
9	1.9	25	15210	99.15	21	150.0	828	8914	58.11	33	12000.0	35	36	0.23
10	2.7	60	15185	98.98	22	220.0	824	8086	52.71	34	18000.0	1	1	0.01
11	3.9	147	15125	98.59	23	320.0	683	7262	47.34					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.9  
 P90 = 16.9  
 P75 = 54.3  
 P70 = 72.6  
 P50 = 270.0  
 P25 = 1490.0  
 P10 = 2860.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1936	11.00 25	14.00 27	16.00 28	18.00 27	22.00 26	37.00 22	80.00 27	96.00 22	125.00 19
1937	0.00 1	0.00 1	0.00 1	0.00 1	0.73 1	6.60 2	12.00 7	12.00 2	60.00 10
1938	2.00 27	13.00 26	14.00 26	20.00 28	61.00 33	170.00 38	181.00 35	301.00 36	443.00 34
1939	1.00 7	1.19 6	1.70 8	4.80 9	8.00 7	13.00 9	62.00 23	71.00 17	509.00 35
1940	1.00 8	1.19 7	1.50 5	1.90 5	5.00 5	10.00 7	11.00 4	13.00 3	69.00 11
1941	0.10 2	0.10 2	0.27 2	0.68 2	1.70 3	6.60 3	11.00 5	19.00 7	37.00 4
1942	3.00 10	3.90 10	6.00 11	11.00 17	20.00 24	63.00 29	77.00 26	94.00 21	120.00 17
1943	0.60 4	0.63 4	0.67 3	0.83 3	1.10 2	4.20 1	8.60 2	17.00 6	208.00 26
1944	0.70 5	0.77 5	1.60 6	2.70 6	4.30 4	8.20 4	8.00 1	11.00 1	17.00 1
1945	0.50 3	0.57 3	0.69 4	1.40 4	8.30 9	15.00 11	45.00 19	52.00 15	48.00 6
1946	16.00 33	17.00 34	21.00 34	30.00 34	102.00 38	185.00 39	355.00 40	723.00 41	971.00 40
1947	15.00 31	15.00 28	16.00 27	17.00 26	19.00 20	23.00 17	36.00 16	163.00 30	246.00 27
1948	8.00 21	8.70 21	9.00 19	9.20 14	12.00 13	27.00 18	35.00 14	40.00 14	101.00 15
1949	8.00 22	9.00 22	9.90 22	11.00 18	13.00 14	35.00 21	36.00 15	191.00 32	205.00 25
1950	18.00 35	19.00 35	22.00 35	34.00 35	64.00 34	132.00 35	119.00 32	348.00 38	440.00 33
1951	14.00 28	15.00 29	17.00 29	25.00 32	42.00 32	78.00 32	283.00 38	321.00 37	511.00 36
1952	7.00 18	7.00 16	7.90 15	11.00 19	22.00 25	48.00 26	86.00 28	86.00 20	155.00 23
1953	5.20 11	5.60 11	6.50 12	6.70 10	8.90 10	14.00 10	23.00 11	25.00 9	46.00 5
1954	5.20 12	5.60 12	5.70 10	7.00 11	9.20 11	9.80 5	11.00 3	15.00 5	26.00 2
1955	1.00 6	1.30 8	1.70 7	3.10 7	14.00 15	21.00 15	21.00 9	34.00 11	50.00 7
1956	7.00 19	7.80 18	8.40 16	8.60 13	10.00 12	42.00 23	160.00 34	240.00 34	356.00 30
1957	11.00 26	12.00 24	12.00 24	14.00 25	15.00 16	30.00 19	60.00 21	73.00 18	88.00 13
1958	9.80 23	12.00 25	12.00 25	13.00 24	19.00 21	21.00 16	29.00 13	144.00 28	710.00 39
1959	38.00 40	40.00 39	46.00 39	64.00 41	119.00 39	231.00 41	309.00 39	442.00 39	985.00 41
1960	15.00 32	16.00 32	20.00 33	29.00 33	66.00 36	117.00 34	109.00 31	140.00 27	147.00 22
1961	9.80 24	9.80 23	11.00 23	12.00 20	15.00 17	19.00 13	22.00 10	32.00 10	58.00 9
1962	6.90 17	8.00 19	8.60 18	9.50 15	15.00 18	17.00 12	28.00 12	39.00 13	121.00 18
1963	6.20 13	6.40 13	7.40 14	12.00 21	32.00 30	55.00 28	63.00 24	76.00 19	97.00 14
1964	6.20 14	6.50 14	6.60 13	7.20 12	8.20 8	10.00 6	12.00 6	14.00 4	26.00 3
1965	2.40 9	2.60 9	3.20 9	3.90 8	5.70 6	11.00 8	18.00 8	21.00 8	70.00 12
1966	7.70 20	8.00 20	9.20 20	12.00 22	20.00 22	44.00 24	62.00 22	110.00 23	129.00 20
1967	6.70 16	7.70 17	9.30 21	12.00 23	20.00 23	34.00 20	41.00 17	37.00 12	57.00 8
1968	14.00 29	15.00 30	19.00 31	24.00 30	27.00 27	69.00 30	104.00 29	124.00 26	144.00 21
1969	17.00 34	17.00 33	19.00 32	25.00 31	30.00 29	45.00 25	75.00 25	118.00 24	264.00 28
1970	47.00 41	48.00 41	52.00 40	57.00 39	149.00 41	167.00 37	421.00 41	542.00 40	678.00 38
1971	20.00 36	20.00 36	22.00 36	34.00 36	38.00 31	107.00 33	126.00 33	178.00 31	304.00 29
1972	32.00 38	36.00 38	37.00 38	56.00 38	65.00 35	73.00 31	104.00 30	118.00 25	175.00 24
1973	6.20 15	6.80 15	8.40 17	9.90 16	18.00 19	20.00 14	42.00 18	53.00 16	115.00 16
1974	15.00 30	15.00 31	17.00 30	22.00 29	27.00 28	49.00 27	49.00 20	154.00 29	424.00 32
1975	29.00 37	32.00 37	35.00 37	41.00 37	76.00 37	139.00 36	253.00 37	292.00 35	533.00 37
1976	37.00 39	41.00 40	55.00 41	60.00 40	144.00 40	194.00 40	246.00 36	231.00 33	367.00 31

## 03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1935	8820.00 9	8700.00 9	8110.00 9	6780.00 9	5110.00 7	3370.00 14	3350.00 9	3090.00 10	2270.00 10
1936	3300.00 37	3250.00 37	3160.00 37	2930.00 37	2470.00 36	1600.00 38	1190.00 40	974.00 40	689.00 40
1937	18500.00 1	18000.00 1	17100.00 1	15100.00 1	10900.00 1	6540.00 2	4500.00 3	3780.00 3	2900.00 3
1938	3720.00 31	3680.00 31	3490.00 33	3000.00 35	2730.00 33	2470.00 24	2330.00 23	2090.00 21	1870.00 13
1939	6600.00 16	6600.00 14	6220.00 14	5270.00 15	4620.00 11	3900.00 8	3840.00 6	3280.00 8	2280.00 9
1940	8600.00 10	8320.00 10	7690.00 11	6230.00 12	4330.00 14	2330.00 27	2220.00 24	1760.00 28	1220.00 33
1941	1860.00 41	1850.00 41	1800.00 41	1270.00 41	800.00 41	455.00 41	386.00 42	356.00 42	301.00 41
1942	3320.00 36	3320.00 36	3280.00 35	3100.00 34	2700.00 34	2330.00 28	2090.00 25	1820.00 26	1550.00 26
1943	8260.00 11	8160.00 11	7750.00 10	6280.00 11	4250.00 16	3030.00 18	2830.00 13	2290.00 15	1690.00 20
1944	4370.00 25	4350.00 25	4150.00 25	3800.00 28	3240.00 28	2330.00 29	1790.00 35	1370.00 38	910.00 39
1945	15400.00 2	15300.00 2	14600.00 2	12000.00 2	8690.00 2	6210.00 3	4520.00 2	3750.00 4	2760.00 6
1946	4690.00 24	4690.00 24	4560.00 24	4230.00 24	2800.00 32	2110.00 31	1960.00 32	1880.00 25	1710.00 19
1947	3570.00 33	3540.00 33	3500.00 32	3460.00 30	3290.00 27	2470.00 25	2000.00 30	1690.00 29	1600.00 23
1948	4230.00 28	4200.00 28	4060.00 28	3770.00 29	3340.00 25	2390.00 26	2050.00 26	1620.00 34	1170.00 34
1949	9700.00 7	9550.00 7	9110.00 7	7800.00 6	6200.00 6	5000.00 4	4360.00 4	3930.00 2	2930.00 2
1950	12400.00 5	12100.00 5	11600.00 5	10000.00 5	7960.00 3	6660.00 1	5340.00 1	4900.00 1	3700.00 1
1951	5600.00 19	5530.00 19	5360.00 20	4860.00 19	4000.00 19	3730.00 9	3670.00 8	3340.00 7	2840.00 4
1952	6680.00 14	6420.00 16	5750.00 16	4910.00 17	4110.00 17	3320.00 15	3140.00 10	3240.00 9	2540.00 7
1953	2360.00 39	2340.00 39	2320.00 39	2290.00 39	1960.00 39	1580.00 39	1570.00 38	1380.00 37	1070.00 36
1954	1010.00 42	974.00 42	812.00 42	749.00 42	620.00 42	435.00 42	407.00 41	372.00 41	262.00 42
1955	4210.00 29	4160.00 29	4040.00 29	3860.00 26	3730.00 21	2940.00 21	2480.00 21	2130.00 17	1580.00 24
1956	5500.00 20	5500.00 20	5380.00 19	5010.00 16	4550.00 12	3610.00 11	2920.00 11	2500.00 11	1750.00 16
1957	5930.00 17	5820.00 17	5410.00 18	4650.00 21	3700.00 23	2510.00 23	2460.00 22	2000.00 23	1730.00 18
1958	6680.00 15	6570.00 15	6170.00 15	5340.00 14	4290.00 15	3190.00 17	2680.00 16	2120.00 18	2050.00 11
1959	9460.00 8	9310.00 8	8790.00 8	7150.00 8	4880.00 9	3380.00 13	2580.00 18	2100.00 20	1570.00 25
1960	2240.00 40	2240.00 40	2190.00 40	2120.00 40	1630.00 40	1430.00 40	1350.00 39	1300.00 39	1110.00 35
1961	12900.00 4	12800.00 4	12500.00 4	10700.00 3	7120.00 4	4710.00 5	4110.00 5	3430.00 5	2350.00 8
1962	5720.00 18	5640.00 18	5530.00 17	4900.00 18	3820.00 20	3020.00 19	2650.00 17	2120.00 19	1530.00 27
1963	5280.00 21	5180.00 21	5110.00 21	4800.00 20	4020.00 18	2540.00 22	1820.00 34	1440.00 36	1040.00 37
1964	15100.00 3	14800.00 3	13600.00 3	10600.00 4	6530.00 5	4040.00 7	2800.00 14	2160.00 16	1460.00 28
1965	3890.00 30	3860.00 30	3750.00 30	3420.00 31	2910.00 30	2090.00 33	1710.00 36	1450.00 35	1010.00 38
1966	3400.00 35	3340.00 35	3230.00 36	2940.00 36	2470.00 37	1780.00 37	1640.00 37	1640.00 33	1240.00 32
1967	5120.00 23	5040.00 23	5010.00 22	4520.00 22	3430.00 24	2000.00 35	2050.00 27	1670.00 32	1340.00 30
1968	3530.00 34	3510.00 34	3420.00 34	3200.00 33	2860.00 31	2010.00 34	1940.00 33	1690.00 30	1640.00 22
1969	7650.00 12	7580.00 12	7460.00 12	6560.00 10	4740.00 10	3210.00 16	2540.00 20	2040.00 22	1770.00 15
1970	4350.00 26	4320.00 26	4120.00 26	3860.00 27	3330.00 26	2950.00 20	2550.00 19	2320.00 13	1870.00 14
1971	4230.00 27	4200.00 27	4090.00 27	3890.00 25	3230.00 29	2220.00 30	1980.00 31	1680.00 31	1330.00 31
1972	10100.00 6	9970.00 6	9330.00 6	7550.00 7	5010.00 8	3630.00 10	2900.00 12	2310.00 14	1740.00 17
1973	5270.00 22	5170.00 22	5010.00 23	4510.00 23	3710.00 22	3480.00 12	2750.00 15	2340.00 12	2020.00 12
1974	3600.00 32	3590.00 32	3550.00 31	3290.00 32	2700.00 35	1980.00 36	2000.00 28	1920.00 24	1650.00 21
1975	7640.00 13	7520.00 13	7000.00 13	5750.00 13	4410.00 13	4080.00 6	3740.00 7	3370.00 6	2810.00 5
1976	2870.00 38	2850.00 38	2810.00 38	2680.00 38	2250.00 38	2100.00 32	2000.00 29	1780.00 27	1380.00 29

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1936	893.00 20
1937	1400.00 31
1938	1110.00 24
1939	1440.00 33
1940	664.00 14
1941	471.00 2
1942	625.00 12
1943	854.00 19
1944	629.00 13
1945	1210.00 28
1946	1480.00 36
1947	817.00 18
1948	762.00 17
1949	1680.00 39
1950	1810.00 41

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1935	1240.00 11
1936	360.00 40
1937	1650.00 2
1938	1370.00 8
1939	1210.00 13
1940	618.00 35
1941	186.00 41
1942	938.00 20
1943	933.00 21
1944	471.00 39
1945	1480.00 7
1946	1280.00 10
1947	889.00 26
1948	649.00 34
1949	1630.00 3

03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951	1780.00	40
1952	1470.00	35
1953	530.00	4
1954	305.00	1
1955	548.00	6
1956	1150.00	27
1957	530.00	5
1958	1450.00	34
1959	1530.00	38
1960	565.00	8
1961	624.00	11
1962	1510.00	37
1963	563.00	7
1964	726.00	16
1965	609.00	10
1966	495.00	3
1967	670.00	15
1968	912.00	21
1969	1120.00	25
1970	1050.00	22
1971	1150.00	26
1972	600.00	9
1973	1100.00	23
1974	1240.00	29
1975	1410.00	32
1976	1290.00	30

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	2080.00	1
1951	1510.00	6
1952	1340.00	9
1953	554.00	38
1954	151.00	42
1955	850.00	27
1956	1040.00	17
1957	924.00	22
1958	1550.00	5
1959	906.00	23
1960	698.00	32
1961	1210.00	14
1962	830.00	28
1963	566.00	36
1964	741.00	30
1965	565.00	37
1966	651.00	33
1967	723.00	31
1968	974.00	19
1969	1170.00	15
1970	1110.00	16
1971	812.00	29
1972	904.00	24
1973	1220.00	12
1974	1000.00	18
1975	1630.00	4
1976	890.00	25

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1934	*	*	*	*	*	*	*	*	*	*	*	435.00
1935	107.00	79.40	527.00	972.00	486.00	4082.0	1976.0	2976.0	2741.0	530.00	216.00	54.30
1936	38.10	179.00	116.00	306.00	640.00	969.00	1943.0	122.00	7.93	28.70	4.60	9.60
1937	198.00	1115.0	161.00	8365.0	4720.0	392.00	995.00	2712.0	398.00	60.50	274.00	577.00
1938	1198.0	307.00	1226.0	1103.0	2335.0	2219.0	1926.0	997.00	1434.0	2126.0	1579.0	37.60
1939	10.60	167.00	83.10	1295.0	4076.0	3735.0	3697.0	656.00	520.00	223.00	296.00	20.10
1940	6.07	15.10	12.90	220.00	1425.0	981.00	2839.0	1735.0	146.00	71.30	11.20	24.20
1941	1.72	57.70	145.00	392.00	176.00	61.50	786.00	117.00	187.00	142.00	103.00	77.10
1942	113.00	580.00	611.00	901.00	1824.0	2146.0	2283.0	803.00	1122.0	924.00	29.80	8.12
1943	1.53	232.00	431.00	580.00	572.00	3237.0	2177.0	2504.0	772.00	557.00	57.50	22.20
1944	6.68	9.83	10.20	44.30	86.70	1279.0	2894.0	1108.0	57.40	15.00	93.00	61.70
1945	61.60	30.70	70.60	568.00	944.00	8531.0	3607.0	624.00	2069.0	489.00	206.00	547.00
1946	2573.0	1066.0	979.00	1773.0	2341.0	1563.0	381.00	2687.0	1212.0	298.00	525.00	29.30
1947	20.10	239.00	838.00	2268.0	656.00	592.00	2730.0	2159.0	646.00	357.00	96.80	47.90
1948	22.10	33.90	57.50	537.00	1038.0	1449.0	3339.0	615.00	24.60	574.00	99.20	56.00
1949	22.40	1132.0	1613.0	5268.0	4686.0	2912.0	2144.0	505.00	1083.0	158.00	176.00	95.30
1950	996.00	137.00	1214.0	7424.0	5570.0	2434.0	3880.0	1603.0	701.00	113.00	64.40	1078.0
1951	60.40	1560.0	1968.0	3483.0	2899.0	4018.0	2728.0	775.00	303.00	125.00	55.00	182.00
1952	23.90	763.00	3735.0	2768.0	2842.0	3333.0	1783.0	187.00	571.00	36.80	12.60	61.40
1953	11.30	18.70	136.00	844.00	834.00	1907.0	1145.0	1561.0	66.90	73.30	30.70	12.00
1954	10.00	14.30	28.50	209.00	192.00	306.00	544.00	257.00	63.10	18.00	33.80	146.00
1955	51.80	21.80	155.00	571.00	1109.0	3615.0	2205.0	1447.0	511.00	385.00	58.60	77.50
1956	661.00	1034.0	236.00	154.00	3724.0	3495.0	1544.0	1142.0	232.00	169.00	102.00	110.00
1957	55.80	36.50	114.00	576.00	1820.0	577.00	2907.0	1226.0	3172.0	667.00	85.40	21.90
1958	27.00	1348.0	3518.0	2348.0	872.00	1178.0	1404.0	2187.0	294.00	3075.0	2004.0	240.00
1959	221.00	554.00	735.00	3081.0	3073.0	1481.0	523.00	671.00	254.00	120.00	116.00	182.00
1960	151.00	172.00	846.00	1447.0	1240.0	1060.0	917.00	685.00	1170.0	636.00	55.20	16.80
1961	21.20	46.70	103.00	142.00	698.00	2992.0	2282.0	6810.0	1114.0	82.40	54.20	39.30
1962	16.20	58.00	535.00	1466.0	1987.0	3694.0	1099.0	304.00	509.00	147.00	42.70	163.00
1963	38.80	109.00	136.00	419.00	206.00	3538.0	1437.0	386.00	134.00	282.00	32.30	23.10
1964	9.47	17.20	15.70	62.80	64.20	6166.0	1527.0	480.00	241.00	169.00	21.90	32.10
1965	6.14	27.10	191.00	656.00	2317.0	1784.0	1035.0	227.00	87.00	240.00	24.00	330.00
1966	95.40	35.10	54.80	901.00	1882.0	1151.0	1084.0	2392.0	150.00	38.50	46.30	55.00
1967	24.70	64.10	1070.0	342.00	534.00	2182.0	501.00	3311.0	148.00	206.00	177.00	34.20
1968	104.00	209.00	2290.0	782.00	1934.0	1222.0	2673.0	776.00	1228.0	176.00	220.00	148.00
1969	32.50	129.00	1385.0	2393.0	3959.0	558.00	1397.0	1115.0	616.00	1352.0	741.00	536.00
1970	150.00	831.00	925.00	933.00	1675.0	2377.0	2796.0	2222.0	1051.0	139.00	235.00	51.80
1971	308.00	556.00	711.00	1420.0	2070.0	2294.0	519.00	920.00	371.00	188.00	249.00	202.00
1972	80.40	66.80	588.00	784.00	784.00	2423.0	4561.0	1324.0	67.50	80.30	88.90	21.60
1973	19.10	573.00	1491.0	1298.0	1095.0	2657.0	3332.0	1945.0	1091.0	816.00	330.00	44.30
1974	59.20	341.00	1164.0	2264.0	1596.0	1894.0	1830.0	956.00	1170.0	82.50	258.00	479.00
1975	343.00	1739.0	1585.0	2123.0	2097.0	4306.0	3207.0	2866.0	546.00	239.00	297.00	198.00
1976	331.00	700.00	1335.0	2222.0	1925.0	1582.0	373.00	391.00	1323.0	290.00	138.00	102.00

## WABASH RIVER BASIN

03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
18.39	36.10	116.00	508.00	688.00	1171.00
FIFTIETH PERCENTILE					
45.30	170.00	562.00	917.00	1636.00	2164.00
SEVENTY FIFTH PERCENTILE					
150.00	610.00	1217.00	2233.00	2337.00	3374.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1072.00	588.00	150.00	82.50	45.40	29.30
FIFTIETH PERCENTILE					
1935.00	1053.00	516.00	182.00	98.00	61.40
SEVENTY FIFTH PERCENTILE					
2807.00	2166.00	1116.00	499.00	239.00	182.00

## \*\*\*\*\* STATISTICS ON DATA COLLECTED DURING PERIOD OF STREAMFLOW REGULATION \*\*\*\*\*

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1979		3	17	5	5		2	3	1	4	4	1	10	5	1	3	6	2	7	16	19	18	16	15	46	41	35	27	11	13	7	5	12	5		
1980							3	8	5	8	7	11	17	14	12	7	11	18	23	17	9	31	17	62	33	25	20	3	5							
1981					3	8	23	14	20	43	21	25	9	21	32	27	17	20	10	18	26	1	4	2	6	2	4	3	6							
1982				1	10	10	5	14	22	21	22	19	12	19	14	12	12	10	10	7	9	7	49	27	14	14	7	7	2	2	6	1				
1983								2	24	6	16	11	16	36	19	10	10	9	7	10	13	13	21	38	20	18	24	17	14	2	1	3	4	1		
1984			1	22	28	19	9	5	2	3	9	7	12	18	25	7	11	14	13	13	21	27	19	25	15	19	21	1								
1985					3	7	6	18	12	12	13	11	12	23	22	9	9	16	14	26	34	15	26	14	14	20	7	14	3	5						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2557	100.00	12	230.0	79	1981	77.47	24	2000.0	184	643	25.15
1	32.0	3	2557	100.00	13	270.0	88	1902	74.38	25	2400.0	125	459	17.95
2	38.0	17	2554	99.88	14	330.0	143	1814	70.94	26	2800.0	122	334	13.06
3	46.0	6	2537	99.22	15	390.0	120	1671	65.35	27	3400.0	76	212	8.29
4	55.0	31	2531	98.98	16	470.0	68	1551	60.66	28	4000.0	63	136	5.32
5	66.0	51	2500	97.77	17	560.0	87	1483	58.00	29	4800.0	26	73	2.85
6	78.0	65	2449	95.78	18	670.0	98	1396	54.60	30	5800.0	14	47	1.84
7	94.0	43	2384	93.23	19	800.0	98	1298	50.76	31	6900.0	19	33	1.29
8	110.0	68	2341	91.55	20	960.0	109	1200	46.93	32	8200.0	9	14	0.55
9	130.0	115	2273	88.89	21	1200.0	125	1091	42.67	33	9900.0	4	5	0.20
10	160.0	71	2158	84.40	22	1400.0	98	966	37.78	34	12000.0	1	1	0.04
11	190.0	106	2087	81.62	23	1600.0	225	868	33.95					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 82.9  
 P90 = 122.0  
 P75 = 262.0  
 P70 = 340.0  
 P50 = 833.0  
 P25 = 2010.0  
 P10 = 3180.0

## 03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1980	190.00 6	198.00 6	209.00 6	225.00 6	703.00 6	764.00 6	1050.00 6	1470.00 6	1560.00 6
1981	70.00 4	74.00 4	77.00 4	79.00 3	91.00 2	126.00 2	205.00 2	245.00 2	250.00 1
1982	57.00 2	60.00 2	71.00 3	86.00 4	144.00 4	173.00 3	264.00 3	260.00 3	304.00 3
1983	63.00 3	65.00 3	68.00 2	76.00 2	104.00 3	194.00 4	426.00 5	439.00 5	593.00 4
1984	123.00 5	129.00 5	131.00 5	131.00 5	197.00 5	289.00 5	302.00 4	369.00 4	614.00 5
1985	53.00 1	58.00 1	60.00 1	64.00 1	66.00 1	70.00 1	110.00 1	165.00 1	299.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1979	9450.00 2	9310.00 2	8660.00 2	6680.00 2	4480.00 3	3640.00 2	3030.00 3	2850.00 2	2820.00 2
1980	4590.00 5	4510.00 5	4240.00 5	3570.00 6	2730.00 6	2420.00 6	2090.00 6	2010.00 6	1930.00 6
1981	4320.00 6	4290.00 6	4170.00 6	3520.00 7	2630.00 7	1610.00 7	1220.00 7	1110.00 7	842.00 7
1982	8250.00 3	8030.00 3	7630.00 3	6220.00 3	4680.00 2	3560.00 3	3150.00 2	2720.00 3	2050.00 4
1983	12000.00 1	11800.00 1	10700.00 1	8300.00 1	6390.00 1	4850.00 1	3760.00 1	3110.00 1	2960.00 1
1984	4010.00 7	3940.00 7	3860.00 7	3580.00 5	3290.00 5	3160.00 5	2610.00 5	2250.00 5	1970.00 5
1985	6690.00 4	6550.00 4	6000.00 4	4940.00 4	3460.00 4	3340.00 4	2780.00 4	2680.00 4	2180.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1980	2030.00 6
1981	651.00 1
1982	1210.00 2
1983	1230.00 3
1984	1640.00 5
1985	1320.00 4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1979	2050.00 1
1980	1320.00 3
1981	554.00 7
1982	1230.00 5
1983	1840.00 2
1984	1130.00 6
1985	1300.00 4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1979	85.60	504.00	2120.0	2307.0	1813.0	3562.0	3350.0	1182.0	2722.0	1926.0	3915.0	1125.0
1980	734.00	1437.0	2629.0	1893.0	1550.0	1929.0	2170.0	901.00	572.00	1541.0	219.00	307.00
1981	298.00	408.00	168.00	101.00	606.00	541.00	644.00	1751.0	1137.0	336.00	274.00	397.00
1982	201.00	309.00	731.00	2173.0	4260.0	2540.0	1922.0	394.00	935.00	317.00	134.00	1115.0
1983	763.00	772.00	3040.0	2591.0	1772.0	1087.0	2860.0	6275.0	1818.0	449.00	380.00	229.00
1984	529.00	761.00	1695.0	1101.0	1029.0	2540.0	3277.0	1894.0	288.00	166.00	66.50	218.00
1985	311.00	874.00	1814.0	2003.0	2754.0	2311.0	3256.0	954.00	643.00	256.00	310.00	189.00

## 03377500 WABASH RIVER AT MOUNT CARMEL, IL

LOCATION.--Lat 38°24'07", long 87°45'10", in SE¼NW¼ sec.28, T.1 S., R.12 W., Wabash County, Illinois, Hydrologic Unit 05120113, on right bank on downstream side of Southern Railway bridge at Mount Carmel, 0.2 mi downstream from Patoka River, and at mile 94.4.

DRAINAGE AREA.--28,635 mi<sup>2</sup>.

PERIOD OF RECORD.--January 1908 to September 1913 (gage heights only), October 1927 to September 1985. Gage-height records collected in this vicinity November 1874 to December 1878, are contained in files of Louisville office of the U.S. Army Corps of Engineers and since June 1884, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 369.46 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1949, to Feb. 8, 1977, at datum 2.00 ft higher. See WSP 1725 for history of changes prior to Sept. 30, 1949.

REMARKS.--Flow partially regulated by upstream reservoirs.

**AVERAGE DISCHARGE.**--58 years, 27,660 ft<sup>3</sup>/s, 13.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 305,000 ft<sup>3</sup>/s May 25, 1943; maximum gage height, 30.62 ft Feb. 5, 6, 1969, present datum; minimum daily discharge, 1,650 ft<sup>3</sup>/s Sept. 27, 28, 1941.

EXTREMES OUTSIDE THE PERIOD OF RECORD.--(1874-78, 1884 to 1985) Maximum discharge, 428,000 ft<sup>3</sup>/s Mar. 30, 1913, from rating curve extended above 310,000 ft<sup>3</sup>/s, gage height, 33.0 ft, present site and datum.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

[illegible]



## 03377500 WABASH RIVER AT MOUNT CARMEL, IL--Continued

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1976					13	17	8	19	31	48	40	25	15	13	10	15	19	20	13	27	8	8	9	3	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
------	--	--	--	--	----	----	---	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	21185	100.00	12	9200.0	1113	14041	66.28	24	60000.0	650	2616	12.35
1	1650.0	27	21185	100.00	13	11000.0	1118	12928	61.02	25	70000.0	588	1966	9.28
2	1900.0	63	21158	99.87	14	13000.0	956	11810	55.75	26	82000.0	391	1378	6.50
3	2300.0	242	21095	99.58	15	15000.0	849	10854	51.23	27	96000.0	288	987	4.66
4	2600.0	550	20853	98.43	16	17000.0	1037	10005	47.23	28	110000.0	298	699	3.30
5	3100.0	554	20303	95.84	17	20000.0	880	8968	42.33	29	130000.0	172	401	1.89
6	3600.0	749	19749	93.22	18	23000.0	1036	8088	38.18	30	150000.0	129	229	1.08
7	4200.0	764	19000	89.69	19	27000.0	1101	7052	33.29	31	180000.0	41	100	0.47
8	4900.0	1000	18236	86.08	20	32000.0	1005	5951	28.09	32	210000.0	26	59	0.28
9	5800.0	987	17236	81.36	21	38000.0	768	4946	23.35	33	240000.0	32	33	0.16
10	6700.0	1212	16249	76.70	22	44000.0	778	4178	19.72	34	290000.0	1	1	0.00
11	7900.0	996	15037	70.98	23	51000.0	784	3400	16.05					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	3260.0
P90 =	4150.0
P75 =	7060.0
P70 =	8170.0
P50 =	15600.0
P25 =	35900.0
P10 =	67700.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1929	3920.00 32	4070.00 33	4390.00 34	4710.00 36	5340.00 36	6720.00 39	7590.00 38	8360.00 33	10800.00 32
1930	3820.00 31	3890.00 31	3960.00 31	4020.00 29	4230.00 25	5300.00 28	7140.00 36	9110.00 37	15800.00 45
1931	2260.00 6	2340.00 7	2480.00 7	2540.00 10	2620.00 7	2730.00 6	2890.00 5	2910.00 4	3080.00 1
1932	3400.00 21	3520.00 21	3620.00 21	4120.00 30	4510.00 29	6310.00 37	6230.00 32	6630.00 27	8570.00 26
1933	3560.00 23	3650.00 24	3910.00 30	4580.00 33	7280.00 48	8610.00 47	9280.00 44	9650.00 38	10700.00 31
1934	3520.00 22	3580.00 22	3670.00 22	3830.00 22	3900.00 21	4740.00 22	5700.00 24	5570.00 19	5960.00 14
1935	2450.00 9	2640.00 14	2720.00 14	2920.00 14	3090.00 13	4980.00 24	4830.00 18	5770.00 21	5760.00 13
1936	2580.00 14	2610.00 13	2660.00 12	2910.00 13	3200.00 14	3740.00 15	5130.00 20	5720.00 20	6880.00 18
1937	1950.00 3	1990.00 3	2010.00 3	2150.00 3	2360.00 3	2770.00 7	3120.00 8	3550.00 8	7300.00 20
1938	5240.00 44	5340.00 44	5540.00 45	6010.00 46	7170.00 45	9320.00 49	10600.00 48	10700.00 43	13000.00 39
1939	3720.00 29	3770.00 29	3800.00 28	3930.00 27	4160.00 24	4920.00 23	6120.00 28	6410.00 26	10200.00 30
1940	2280.00 7	2300.00 6	2320.00 6	2400.00 6	2730.00 9	3010.00 10	3110.00 7	3110.00 5	4300.00 7
1941	2030.00 5	2100.00 5	2120.00 4	2160.00 4	2300.00 2	2490.00 2	2600.00 2	2750.00 3	3450.00 4
1942	1650.00 1	1660.00 1	1710.00 2	1800.00 2	2400.00 4	2690.00 4	3230.00 9	4170.00 12	6720.00 16
1943	3620.00 25	3690.00 26	3750.00 25	3880.00 25	4380.00 27	5090.00 27	5990.00 26	7530.00 31	12000.00 35
1944	2990.00 15	3070.00 17	3250.00 18	3510.00 18	3740.00 18	3980.00 16	4050.00 13	4370.00 13	5010.00 11
1945	2460.00 10	2490.00 9	2500.00 10	2520.00 8	2640.00 8	2940.00 8	3100.00 6	3270.00 7	3650.00 5
1946	5260.00 46	5380.00 46	5570.00 46	5890.00 45	6480.00 42	10100.00 51	13300.00 52	16700.00 54	18900.00 50
1947	2490.00 11	2500.00 10	2600.00 11	2650.00 11	2980.00 12	3360.00 12	4400.00 16	5450.00 17	7990.00 24
1948	3610.00 24	3640.00 23	3700.00 23	3820.00 21	4610.00 31	4990.00 25	5590.00 23	6010.00 22	7870.00 23
1949	3340.00 20	3360.00 20	3400.00 19	3570.00 19	3980.00 22	4540.00 20	5300.00 21	8600.00 34	11200.00 34
1950	4210.00 35	4230.00 35	4470.00 36	5100.00 39	5870.00 39	7520.00 42	9080.00 43	11500.00 45	13300.00 40
1951	6500.00 51	6610.00 51	7070.00 52	7560.00 52	8110.00 51	14100.00 57	16300.00 56	15800.00 53	20700.00 53
1952	4010.00 33	4030.00 32	4140.00 32	4270.00 31	4510.00 28	6000.00 35	7090.00 35	9700.00 39	14300.00 41
1953	3700.00 27	3730.00 27	3760.00 26	3800.00 20	3880.00 19	4210.00 18	5000.00 19	5480.00 18	6910.00 19
1954	2400.00 8	2410.00 8	2490.00 8	2530.00 9	2560.00 6	2590.00 3	2720.00 3	2730.00 2	3390.00 2
1955	1980.00 4	2060.00 4	2120.00 5	2370.00 5	2970.00 11	3120.00 11	3310.00 10	3910.00 10	4560.00 9



## 03377500 WABASH RIVER AT MOUNT CARMEL, IL--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	248000.00	5	245000.00	5	229000.00	5	187000.00	6	142000.00	6	98000.00	8	87100.00	7	72700.00	6	52700.00	19
1962	122000.00	36	119000.00	38	109000.00	40	90400.00	41	87700.00	32	71200.00	31	64000.00	25	54500.00	26	43000.00	32
1963	152000.00	25	148000.00	25	137000.00	26	121000.00	25	99300.00	19	65500.00	33	49500.00	43	39900.00	46	28900.00	50
1964	149000.00	26	146000.00	27	134000.00	27	106000.00	35	74600.00	40	74100.00	28	55900.00	33	46100.00	40	33200.00	45
1965	80800.00	50	80400.00	50	77700.00	50	68500.00	50	59600.00	48	49100.00	46	48100.00	44	40900.00	45	31300.00	46
1966	61800.00	54	61200.00	54	58000.00	54	47800.00	54	41900.00	54	29700.00	54	25600.00	54	25700.00	54	21900.00	53
1967	133000.00	31	131000.00	31	124000.00	32	98800.00	37	68500.00	43	53700.00	45	51000.00	41	47100.00	37	45600.00	28
1968	154000.00	23	150000.00	24	141000.00	24	112000.00	29	77100.00	38	62600.00	37	55100.00	34	51900.00	30	52300.00	20
1969	195000.00	10	193000.00	8	182000.00	8	151000.00	8	114000.00	10	76600.00	24	60900.00	31	57600.00	25	47200.00	27
1970	129000.00	33	128000.00	33	121000.00	35	98800.00	38	73700.00	41	60000.00	39	51900.00	38	49600.00	33	40500.00	35
1971	121000.00	40	119000.00	39	112000.00	39	95000.00	39	72900.00	42	54800.00	43	41900.00	48	36100.00	48	30200.00	48
1972	134000.00	29	133000.00	29	132000.00	29	123000.00	21	92700.00	29	61600.00	38	51400.00	40	43700.00	43	37500.00	39
1973	115000.00	41	115000.00	41	113000.00	38	107000.00	32	96000.00	24	84700.00	16	66900.00	24	63400.00	20	61200.00	7
1974	149000.00	27	147000.00	26	141000.00	25	122000.00	22	91700.00	30	79200.00	22	75600.00	12	72000.00	8	65900.00	3
1975	134000.00	30	132000.00	30	126000.00	30	103000.00	36	86500.00	33	73700.00	29	69600.00	21	64300.00	16	54400.00	14
1976	105000.00	45	104000.00	44	98400.00	44	84100.00	42	75100.00	39	58100.00	40	50700.00	42	46500.00	38	36000.00	42
1977	76900.00	51	75700.00	51	73300.00	51	65100.00	52	48800.00	53	40800.00	51	35400.00	52	28900.00	52	23300.00	52
1978	178000.00	12	176000.00	12	169000.00	12	151000.00	9	114000.00	11	83500.00	18	71800.00	18	59000.00	24	51300.00	23
1979	168000.00	15	166000.00	15	160000.00	13	148000.00	10	111000.00	12	96000.00	10	77000.00	11	63900.00	18	58900.00	9
1980	87400.00	49	86800.00	49	84800.00	49	83500.00	43	78900.00	36	64900.00	34	51600.00	39	48200.00	35	43100.00	31
1981	122000.00	37	121000.00	36	117000.00	36	107000.00	33	85600.00	34	63900.00	36	53900.00	35	47100.00	36	37600.00	38
1982	154000.00	24	152000.00	23	146000.00	22	125000.00	20	111000.00	13	98600.00	7	87600.00	5	76200.00	5	61400.00	6
1983	171000.00	14	168000.00	13	158000.00	14	133000.00	17	98300.00	22	79800.00	19	63900.00	26	52800.00	28	53700.00	16
1984	131000.00	32	129000.00	32	122000.00	33	107000.00	34	93000.00	28	83900.00	17	71100.00	20	62800.00	22	52100.00	21
1985	196000.00	9	193000.00	9	180000.00	9	148000.00	11	120000.00	9	102000.00	6	79000.00	9	70900.00	10	57500.00	12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1929	25600.00	28
1930	45300.00	56
1931	7220.00	1
1932	24000.00	23
1933	27800.00	32
1934	24700.00	26
1935	12900.00	5
1936	22700.00	21
1937	31900.00	38
1938	29000.00	35
1939	35700.00	42
1940	16900.00	10
1941	10600.00	2
1942	16400.00	9
1943	24000.00	24
1944	24800.00	27
1945	24000.00	25
1946	36900.00	44
1947	18700.00	13
1948	27300.00	30
1949	43100.00	53
1950	48100.00	57
1951	43800.00	54
1952	36000.00	43
1953	22500.00	20
1954	11200.00	3
1955	14200.00	7
1956	23100.00	22
1957	17600.00	12
1958	42100.00	52
1959	44400.00	55
1960	21700.00	18
1961	21200.00	17
1962	37700.00	45
1963	20500.00	16
1964	14100.00	6
1965	19500.00	14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1928	31500.00	20
1929	35000.00	15
1930	29900.00	26
1931	7060.00	56
1932	25500.00	36
1933	42300.00	4
1934	8040.00	55
1935	22700.00	43
1936	14500.00	52
1937	39300.00	7
1938	35000.00	16
1939	29700.00	27
1940	12100.00	54
1941	6140.00	58
1942	24500.00	37
1943	31500.00	21
1944	19100.00	45
1945	29400.00	28
1946	28100.00	30
1947	26500.00	34
1948	23800.00	39
1949	37900.00	10
1950	56700.00	1
1951	38400.00	8
1952	36400.00	11
1953	18400.00	46
1954	6460.00	57
1955	18400.00	47
1956	25700.00	35
1957	31500.00	22
1958	40800.00	6
1959	30900.00	24
1960	23900.00	38
1961	29000.00	29
1962	27900.00	31
1963	17400.00	50
1964	18200.00	49

03377500 WABASH RIVER AT MOUNT CARMEL, IL--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	17000.00	11
1967	22200.00	19
1968	28200.00	34
1969	34400.00	40
1970	27800.00	31
1971	27100.00	29
1972	16200.00	8
1973	39100.00	48
1974	41800.00	49
1975	42000.00	51
1976	30700.00	37
1977	11600.00	4
1978	28000.00	33
1979	35700.00	41
1980	38400.00	47
1981	19500.00	15
1982	41800.00	50
1983	30000.00	36
1984	34100.00	39
1985	37800.00	46

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	18400.00	48
1966	13600.00	53
1967	26600.00	33
1968	33700.00	17
1969	31300.00	23
1970	27900.00	32
1971	20300.00	44
1972	23600.00	40
1973	43700.00	2
1974	42500.00	3
1975	36100.00	12
1976	23100.00	42
1977	15000.00	51
1978	35300.00	14
1979	41000.00	5
1980	30800.00	25
1981	23600.00	41
1982	37900.00	9
1983	32800.00	18
1984	32100.00	19
1985	35500.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1928	22130.0	11670.0	91580.0	35250.0	61310.0	24100.0	31690.0	19870.0	39590.0	25280.0	9065.0	7004.0
1929	7178.0	10500.0	18020.0	51560.0	33700.0	54060.0	61910.0	90620.0	39720.0	35490.0	10550.0	5763.0
1930	5475.0	15980.0	39960.0	144700	50110.0	42040.0	29830.0	14030.0	6055.0	4115.0	3275.0	3668.0
1931	2888.0	2632.0	3224.0	2932.0	3758.0	10280.0	17230.0	8564.0	6095.0	8040.0	4633.0	14560.0
1932	11200.0	18030.0	37490.0	91990.0	49990.0	20900.0	18360.0	15560.0	7844.0	16320.0	8892.0	9450.0
1933	9731.0	21770.0	33300.0	81360.0	41060.0	69350.0	92790.0	119000	21040.0	7147.0	5926.0	4183.0
1934	9260.0	4465.0	6279.0	6734.0	4801.0	13270.0	20540.0	5805.0	5618.0	4725.0	7956.0	6917.0
1935	5876.0	6835.0	11000.0	24260.0	12320.0	42830.0	26950.0	80160.0	28870.0	17610.0	9296.0	4801.0
1936	3239.0	8456.0	6532.0	10110.0	16630.0	58320.0	33200.0	22260.0	5797.0	3366.0	2372.0	3693.0
1937	8412.0	34470.0	7560.0	153000	84650.0	27750.0	45050.0	53390.0	22240.0	15660.0	12120.0	9684.0
1938	15950.0	7966.0	28410.0	18740.0	40720.0	78790.0	106400	23250.0	29420.0	44090.0	19650.0	7746.0
1939	4477.0	6556.0	7288.0	16630.0	66780.0	99730.0	82290.0	24440.0	21870.0	15050.0	10700.0	4002.0
1940	2875.0	3497.0	3170.0	4432.0	13680.0	18380.0	42630.0	31300.0	15360.0	5481.0	2951.0	2572.0
1941	2465.0	3068.0	4926.0	5666.0	5818.0	4815.0	11900.0	5944.0	17780.0	5993.0	2855.0	2818.0
1942	5395.0	14930.0	11880.0	12070.0	55850.0	52350.0	54100.0	22680.0	31760.0	19650.0	10580.0	6633.0
1943	4603.0	15910.0	15840.0	27810.0	25930.0	53220.0	26630.0	124800	44260.0	16470.0	12990.0	7822.0
1944	4037.0	5538.0	3881.0	4305.0	8389.0	36930.0	90410.0	47870.0	16130.0	4751.0	4131.0	3761.0
1945	3091.0	3188.0	3210.0	5580.0	12680.0	92800.0	80880.0	45690.0	63250.0	19280.0	12830.0	10020.0
1946	30700.0	20950.0	20740.0	45250.0	49900.0	45190.0	18130.0	50920.0	32510.0	11570.0	8274.0	3747.0
1947	3064.0	7345.0	14140.0	29670.0	29510.0	16470.0	55820.0	69870.0	61840.0	14240.0	9355.0	7468.0
1948	4770.0	5335.0	6682.0	23210.0	21410.0	48450.0	100800	30590.0	12400.0	19290.0	8806.0	5115.0
1949	3988.0	19330.0	27780.0	133800	110900	50330.0	40480.0	20650.0	21760.0	14800.0	10050.0	6341.0
1950	20610.0	9576.0	27570.0	199300	147100	64450.0	90330.0	37050.0	34100.0	21360.0	8208.0	27910.0
1951	13230.0	35170.0	51510.0	63860.0	66810.0	78500.0	59900.0	31640.0	15530.0	29770.0	9979.0	6908.0
1952	6022.0	19320.0	43430.0	58430.0	78160.0	74420.0	64600.0	28850.0	37180.0	14450.0	6909.0	6602.0
1953	4254.0	4274.0	9757.0	18000.0	18330.0	57390.0	36980.0	32240.0	13730.0	15590.0	6351.0	3033.0
1954	2561.0	2702.0	2967.0	3745.0	6361.0	8643.0	19450.0	11240.0	9598.0	3841.0	3457.0	3303.0
1955	7688.0	4429.0	5355.0	24630.0	19060.0	58480.0	36190.0	19320.0	20410.0	14520.0	6207.0	3932.0
1956	15030.0	34300.0	16460.0	7426.0	51340.0	53510.0	33300.0	25560.0	41450.0	18970.0	7745.0	5645.0
1957	3535.0	3795.0	10100.0	15390.0	25790.0	21730.0	90340.0	61130.0	56160.0	69750.0	13220.0	7914.0
1958	8220.0	24710.0	75980.0	53910.0	18040.0	24300.0	23460.0	39450.0	74500.0	73580.0	54980.0	15730.0
1959	10430.0	19660.0	21960.0	44490.0	102900	55400.0	39430.0	42240.0	18510.0	8841.0	8019.0	5035.0
1960	6877.0	12170.0	19580.0	30660.0	47360.0	23130.0	37610.0	23310.0	35560.0	37730.0	9094.0	4948.0
1961	3979.0	4304.0	4909.0	5178.0	9646.0	77530.0	49120.0	129400	28710.0	11340.0	15100.0	6391.0
1962	6673.0	10850.0	16870.0	38360.0	52600.0	87040.0	35410.0	25280.0	17660.0	26290.0	9738.0	8862.0
1963	6165.0	6252.0	5207.0	6914.0	6605.0	89750.0	36390.0	19090.0	11100.0	9145.0	6749.0	3905.0
1964	2505.0	2840.0	2266.0	4066.0	5200.0	65490.0	58570.0	40040.0	16350.0	12950.0	4626.0	3180.0
1965	2657.0	2779.0	3905.0	11420.0	38590.0	40530.0	54470.0	27040.0	14240.0	12030.0	5288.0	9822.0
1966	6894.0	5450.0	7168.0	19980.0	25180.0	18040.0	19920.0	38040.0	9755.0	5337.0	3717.0	4133.0
1967	3401.0	7679.0	65910.0	21070.0	36730.0	50490.0	43450.0	55520.0	17780.0	7666.0	5777.0	4108.0
1968	4804.0	5958.0	57660.0	31750.0	75330.0	30720.0	51470.0	42840.0	56320.0	18350.0	24060.0	7429.0
1969	6149.0	9572.0	24420.0	52550.0	102800	23170.0	55830.0	30880.0	20770.0	30350.0	15280.0	9741.0
1970	19000.0	30420.0	23910.0	18900.0	42740.0	37250.0	58170.0	58420.0	22320.0	9079.0	9075.0	6723.0
1971	10020.0	12620.0	14640.0	17280.0	50560.0	57940.0	15250.0	19360.0	20890.0	13080.0	7215.0	6264.0
1972	6928.0	5610.0	26540.0	26740.0	15200.0	30660.0	78850.0	43430.0	19330.0	11010.0	8171.0	10510.0
1973	22240.0	56210.0	54020.0	54220.0	37610.0	74160.0	82070.0	38550.0	42750.0	32370.0	22360.0	7937.0
1974	7881.0	14400.0	38350.0	80620.0	71090.0	64950.0	66000.0	53180.0	58900.0	21390.0	11010.0	25210.0
1975	11760.0	25960.0	32980.0	56270.0	59830.0	83020.0	51860.0	41300.0	31770.0	15990.0	10780.0	13090.0

03377500 WABASH RIVER AT MOUNT CARMEL, IL--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1976	9126.0	11240.0	32510.0	36760.0	56320.0	59140.0	19940.0	11020.0	13570.0	15380.0	7703.0	5117.0
1977	4621.0	5149.0	3628.0	2861.0	9036.0	41040.0	39530.0	22540.0	8017.0	10590.0	16740.0	15480.0
1978	24250.0	16190.0	61870.0	23760.0	11110.0	83120.0	67710.0	56470.0	19970.0	22640.0	18450.0	14840.0
1979	9104.0	13300.0	30810.0	38660.0	28600.0	106700	78320.0	31560.0	20930.0	35040.0	75530.0	21260.0
1980	10550.0	23280.0	45640.0	34840.0	22930.0	59260.0	67420.0	23600.0	37660.0	18710.0	16390.0	9755.0
1981	6526.0	6576.0	7063.0	4782.0	19570.0	17040.0	26140.0	71050.0	54090.0	28620.0	20580.0	20730.0
1982	12190.0	12400.0	16480.0	44900.0	89450.0	107400	63580.0	26090.0	39210.0	24040.0	9923.0	12770.0
1983	8340.0	13630.0	62180.0	49450.0	28900.0	22400.0	63540.0	94090.0	26440.0	12960.0	6010.0	4471.0
1984	10670.0	16890.0	51120.0	16900.0	43240.0	63010.0	88990.0	49600.0	21860.0	11430.0	6914.0	5298.0
1985	8625.0	25480.0	38600.0	48380.0	39860.0	108700	77510.0	30140.0	17760.0	9799.0	13810.0	7164.0

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4200.00	5421.00	6645.00	11090.00	16270.00	24250.00
FIFTIETH PERCENTILE					
6886.00	10680.00	17450.00	25690.00	37170.00	52790.00
SEVENTY FIFTH PERCENTILE					
10460.00	18350.00	37710.00	49980.00	55970.00	70550.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
31230.00	22650.00	15490.00	9636.00	6315.00	4171.00
FIFTIETH PERCENTILE					
50300.00	31600.00	21400.00	15220.00	9070.00	6678.00
SEVENTY FIFTH PERCENTILE					
67490.00	51490.00	37300.00	21700.00	12870.00	9745.00

## WABASH RIVER BASIN

03378550 BIG CREEK NEAR WADESVILLE, IN

LOCATION.--Lat 38°04'58", long 87°46'10", in SW¼SW¼ sec.16, T.5 S., R.12 W., Posey County, Hydrologic Unit 05120113, on left bank at downstream side of bridge on State Highway 66, 0.6 mi northwest of Blairsville, and 1.6 mi southeast of Wadesville.

DRAINAGE AREA.--104 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1965 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 370.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--20 years, 117 ft<sup>3</sup>/s, 15.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,880 ft<sup>3</sup>/s May 1, 1983; maximum gage height, 19.72 ft Apr. 24, 1975; no flow at times most years.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1966	22					29		22	14	18	11	29	19	14	12	11	22	18	17	13	27	8	17	13	13	7	2	4	1	1	1					
1967	21					16	18	20	17	9	2	5	10	6	22	31	31	32	29	21	17	10	13	7	10	6	4	3	3		1	1				
1968	6	2	6	9	4	10	4	8	6	7	5	6	5	7	13	12	25	23	50	30	30	27	25	12	28	8	2	7	7	4	3	5				
1969	33		2	4	2	9	4	9	3	5	11	9	4	6	8	18	18	25	24	31	26	25	20	21	10	14	4	2	6	4	5	3				
1970	10	1		2		3	4	1	2	3	2	7	9	16	13	10	12	13	17	40	40	28	28	35	23	13	11	9	5	2	4	1	1			
1971	8									1	1	5	19	19	23	24	29	24	38	37	28	18	17	27	11	9	10	6	8		1	2				
1972	17			1			1	1	4	2	4	22	29	16	22	19	16	15	30	34	31	30	22	17	9	4	7	1	2	5	3	1	1			
1973							5	10	9	13	16	12	8	7	6	4	9	4	7	16	34	37	32	45	23	22	12	12	10	7	5					
1974							1	10	14	19	19	16	12	8	15	12	16	10	23	24	30	26	29	24	18	15	3	8	8	3	1	1				
1975	35	2	1	1	2	1	7	6	4	5	9	4	6	12	13	12	8	7	10	21	33	48	31	28	16	13	10	4	1	5	4	3	3			
1976	25	10	10	5	6	1	3	5	2	3	6	9	7	12	18	24	24	18	30	32	46	22	13	9	5	8	5	3	4		1					
1977	14	13	4	6	9	8	7	16	12	12	4	6	10	11	15	10	12	22	33	31	21	21	15	14	8	11	7	3	4		3	3				
1978			4	8	11	4	3	6	4	2	10	9	10	8	6	9	7	10	46	41	56	24	19	18	15	7	10	7	5	3	2	1				
1979				9	13	8	7	3	2	1	5	4	6	15	25	15	17	23	27	37	27	26	18	19	13	17	8	7	7	4	2					
1980						2	2	14	10	6	9	6	9	11	24	17	15	33	31	33	45	32	26	11	4	10	4	8	3		1					
1981							8	18	28	25	29	31	23	31	25	21	27	19	12	16	11	8	8	7	3	2	4	3	4		1	1				
1982						3	6	3	4	1	4	19	10	35	27	19	24	22	27	22	24	33	16	20	8	9	9	9	2	3	3	2		1		
1983	47		1				2	1	2	3	4	8	8	16	23	11	11	8	10	20	36	36	31	29	9	11	8	8	7	4	3	4	4			
1984	18		2	9	2	5	6	10	12	15	11	16	4	8	22	19	11	17	20	15	25	21	18	21	14	17	9	9	3	5	1	1				
1985		1	1	2	3	2	2	8	22	6	4	16	11	3	10	7	17	15	29	35	34	31	31	23	17	14	7	1	3	3	3	3	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	256	7305	100.00	12	1.3	222	5828	79.78	24	160.0	254	970	13.28
1	0.01	29	7049	96.50	13	1.9	242	5606	76.74	25	230.0	202	716	9.80
2	0.02	30	7020	96.10	14	2.8	325	5364	73.43	26	350.0	154	514	7.04
3	0.03	47	6990	95.69	15	4.2	326	5039	68.98	27	520.0	112	360	4.93
4	0.05	49	6943	95.04	16	6.3	345	4713	64.52	28	780.0	94	248	3.39
5	0.08	104	6894	94.37	17	9.4	342	4368	59.79	29	1200.0	62	154	2.11
6	0.11	83	6790	92.95	18	14.0	515	4026	55.11	30	1800.0	50	92	1.26
7	0.17	153	6707	91.81	19	21.0	533	3511	48.06	31	2600.0	30	42	0.57
8	0.25	166	6554	89.72	20	31.0	621	2978	40.77	32	3900.0	11	12	0.16
9	0.37	164	6388	87.45	21	47.0	526	2357	32.27	33	5900.0	1	1	0.01
10	0.56	155	6224	85.20	22	70.0	430	1831	25.07	34				
11	0.84	241	6069	83.08	23	100.0	431	1401	19.18					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.05

P90 = 0.24

P75 = 2.4

P70 = 3.9

P50 = 19.1

P25 = 70.3

P10 = 226.0

## 03378550 BIG CREEK NEAR WADESVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1967	0.00 1	0.00 1	0.00 1	0.01 5	0.33 8	2.00 8	2.20 4	3.70 2	6.80 3
1968	0.10 12	0.10 12	0.11 11	0.14 9	0.15 5	2.50 9	11.00 11	22.00 13	60.00 15
1969	0.00 2	0.00 2	0.00 2	0.00 1	0.02 3	0.10 2	0.14 1	8.40 6	17.00 6
1970	0.00 3	0.00 3	0.11 12	0.17 12	1.90 14	26.00 19	35.00 16	48.00 17	66.00 16
1971	0.00 4	0.00 4	0.00 3	0.00 2	2.20 15	6.80 14	14.00 14	18.00 11	25.00 8
1972	0.40 17	0.67 17	1.10 17	1.19 15	1.40 12	5.30 11	12.00 12	19.00 12	47.00 13
1973	0.00 5	0.00 5	0.00 4	0.14 10	0.57 10	1.60 6	10.00 10	42.00 16	42.00 12
1974	0.15 14	0.16 13	0.18 13	0.22 13	0.38 9	5.50 12	3.90 7	6.90 5	38.00 10
1975	0.29 16	0.30 15	0.41 15	1.19 16	4.50 17	20.00 17	38.00 17	38.00 14	59.00 14
1976	0.00 6	0.00 6	0.00 5	0.01 6	1.60 13	6.70 13	9.30 9	12.00 8	16.00 5
1977	0.00 7	0.00 7	0.00 6	0.00 3	0.00 1	0.26 3	0.67 2	4.90 3	4.90 1
1978	0.20 15	0.40 16	1.70 18	2.60 18	5.20 18	25.00 18	83.00 19	97.00 19	98.00 19
1979	0.02 10	0.02 10	0.03 9	0.07 7	0.13 4	0.60 4	14.00 13	11.00 7	20.00 7
1980	0.78 19	0.98 19	2.30 19	4.10 19	7.70 19	9.40 15	64.00 18	84.00 18	73.00 18
1981	0.12 13	0.20 14	0.26 14	0.29 14	0.68 11	1.40 5	3.10 5	5.10 4	5.70 2
1982	0.09 11	0.09 11	0.11 10	0.15 11	0.32 7	1.80 7	6.50 8	15.00 10	39.00 11
1983	0.75 18	0.79 18	0.85 16	1.60 17	2.20 16	18.00 16	33.00 15	38.00 15	71.00 17
1984	0.00 8	0.00 8	0.00 7	0.00 4	0.00 2	0.04 1	0.67 3	1.40 1	15.00 4
1985	0.00 9	0.00 9	0.00 8	0.07 8	0.18 6	2.70 10	3.90 6	13.00 9	29.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1966	2230.00 19	1060.00 19	551.00 19	326.00 19	260.00 18	157.00 19	125.00 20	134.00 18	97.00 19
1967	3330.00 10	2170.00 10	953.00 16	456.00 18	255.00 19	149.00 20	141.00 19	113.00 20	99.00 18
1968	2590.00 17	1600.00 15	962.00 14	666.00 13	460.00 11	265.00 14	253.00 10	225.00 11	175.00 14
1969	3620.00 8	2590.00 8	1390.00 9	957.00 7	523.00 9	349.00 10	251.00 11	231.00 10	208.00 7
1970	4660.00 5	2880.00 6	1430.00 8	761.00 11	445.00 13	439.00 5	355.00 4	307.00 6	251.00 6
1971	3010.00 13	1480.00 18	958.00 15	549.00 14	340.00 15	255.00 15	209.00 14	167.00 16	142.00 15
1972	4210.00 6	3080.00 5	1870.00 3	1080.00 4	567.00 5	423.00 8	301.00 9	241.00 9	186.00 10
1973	2380.00 18	2000.00 12	1290.00 11	690.00 12	506.00 10	433.00 7	347.00 5	324.00 5	276.00 3
1974	2600.00 16	1800.00 14	831.00 18	522.00 15	309.00 16	189.00 16	197.00 16	183.00 14	177.00 11
1975	5770.00 3	4580.00 1	2210.00 2	1210.00 2	717.00 2	616.00 2	539.00 1	472.00 1	348.00 2
1976	2010.00 20	1000.00 20	549.00 20	285.00 20	197.00 20	180.00 18	145.00 17	118.00 19	94.00 20
1977	3600.00 9	1930.00 13	984.00 13	518.00 17	367.00 14	288.00 13	209.00 15	173.00 15	176.00 13
1978	3300.00 11	2190.00 9	1360.00 10	843.00 8	535.00 7	305.00 11	232.00 13	219.00 12	177.00 12
1979	2660.00 15	2160.00 11	1450.00 7	1030.00 5	593.00 4	515.00 3	400.00 3	338.00 3	259.00 4
1980	2940.00 14	1510.00 17	932.00 17	522.00 16	273.00 17	184.00 17	144.00 18	156.00 17	135.00 16
1981	4120.00 7	2870.00 7	1620.00 4	988.00 6	554.00 6	299.00 12	243.00 12	193.00 13	130.00 17
1982	6440.00 1	3150.00 4	1530.00 5	1150.00 3	666.00 3	440.00 4	336.00 6	281.00 7	204.00 8
1983	5870.00 2	4030.00 2	2360.00 1	1240.00 1	903.00 1	633.00 1	467.00 2	364.00 2	387.00 1
1984	3240.00 12	1540.00 16	1020.00 12	802.00 9	531.00 8	418.00 9	325.00 7	264.00 8	195.00 9
1985	5020.00 4	3270.00 3	1520.00 6	797.00 10	454.00 12	435.00 6	317.00 8	328.00 4	253.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1967	49.00 3
1968	118.00 7
1969	89.00 5
1970	151.00 13
1971	124.00 9
1972	76.00 4
1973	167.00 17
1974	136.00 11
1975	176.00 19
1976	104.00 6
1977	43.00 1
1978	158.00 15
1979	119.00 8
1980	125.00 10
1981	44.00 2
1982	151.00 14
1983	139.00 12
1984	171.00 18
1985	161.00 16

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1966	52.00 20
1967	57.00 18
1968	102.00 12
1969	135.00 7
1970	150.00 5
1971	100.00 14
1972	102.00 13
1973	182.00 3
1974	108.00 11
1975	186.00 2
1976	55.00 19
1977	97.00 16
1978	111.00 9
1979	163.00 4
1980	98.00 15
1981	70.00 17
1982	129.00 8
1983	205.00 1
1984	108.00 10
1985	136.00 6

## WABASH RIVER BASIN

03378550 BIG CREEK NEAR WADESVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1965	*	*	*	*	*	*	*	*	*	55.60	8.23	71.30
1966	5.70	0.96	0.30	48.40	173.00	57.10	120.00	187.00	9.93	15.50	8.63	3.23
1967	2.16	2.66	61.00	13.50	27.40	132.00	29.60	135.00	34.90	224.00	17.60	0.17
1968	51.60	69.00	405.00	128.00	167.00	148.00	111.00	45.60	13.00	7.90	74.90	0.18
1969	0.02	9.73	179.00	473.00	62.90	81.10	147.00	197.00	143.00	257.00	9.04	43.90
1970	50.60	140.00	79.60	136.00	191.00	421.00	445.00	52.10	247.00	15.20	23.60	6.63
1971	29.00	37.80	65.50	168.00	352.00	76.70	48.80	57.80	121.00	47.00	38.90	180.00
1972	15.90	1.56	36.80	32.60	73.10	256.00	560.00	29.10	60.50	133.00	26.50	2.55
1973	4.94	219.00	273.00	198.00	111.00	388.00	409.00	197.00	285.00	77.10	14.10	2.74
1974	8.02	73.40	107.00	200.00	56.90	205.00	143.00	199.00	157.00	4.91	104.00	34.70
1975	4.98	129.00	94.90	256.00	422.00	581.00	566.00	125.00	24.00	15.70	23.10	10.70
1976	4.02	26.10	137.00	122.00	164.00	38.00	10.50	56.30	84.00	16.10	0.83	10.00
1977	16.30	2.28	0.41	0.13	46.50	275.00	94.00	85.10	190.00	62.80	341.00	49.40
1978	131.00	75.20	278.00	24.30	26.30	515.00	74.50	87.10	12.00	49.60	2.81	39.30
1979	0.51	20.90	148.00	232.00	406.00	376.00	319.00	82.80	52.10	141.00	180.00	10.90
1980	8.83	243.00	116.00	67.60	84.80	194.00	105.00	63.20	114.00	162.00	1.93	12.30
1981	10.80	6.53	1.79	1.08	33.10	14.30	8.73	518.00	26.50	96.10	101.00	8.66
1982	2.52	10.60	48.60	559.00	224.00	198.00	99.20	54.40	58.30	31.20	39.20	233.00
1983	29.80	112.00	710.00	97.00	78.20	117.00	577.00	646.00	70.50	3.79	0.19	0.00
1984	4.51	63.10	50.30	65.60	85.00	484.00	338.00	97.40	60.90	4.69	5.06	37.80
1985	17.30	139.00	325.00	119.00	453.00	358.00	137.00	47.90	35.30	7.39	19.20	2.22

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.14	7.33	49.00	36.50	58.40	90.10
FIFTIETH PERCENTILE					
8.42	50.40	101.00	121.00	98.00	202.00
SEVENTY FIFTH PERCENTILE					
26.10	125.00	250.00	200.00	216.00	385.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
79.40	54.90	28.60	11.60	6.64	2.64
FIFTIETH PERCENTILE					
129.00	86.10	60.70	47.00	19.19	10.70
SEVENTY FIFTH PERCENTILE					
391.00	195.00	138.00	115.00	57.00	41.60



## 04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART, IN

LOCATION.--Lat 41°32'10", long 87°15'25", in NW¼NW¼ sec.32, T.36 N., R.7 W., Lake County, Hydrologic Unit 04040001, on left bank at upstream side of bridge on Center Street in Hobart, 300 ft upstream from Duck Creek, and 400 ft downstream from Lake George Dam.

DRAINAGE AREA.--124 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1947 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 588.17 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to July 29, 1952, nonrecording gage, and July 30, 1952, to July 20, 1955, water-stage recorder at site 400 ft upstream at datum 11.80 ft higher.

REMARKS.--Periods of regulation by Lake George Dam.<sup>a</sup>

AVERAGE DISCHARGE.--38 years, 109 ft<sup>3</sup>/s, 11.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft<sup>3</sup>/s June 14, 1981; maximum gage height, 19.48 ft, Oct. 11, 1954, present datum, site then in use; no flow Nov. 5, 1978, due to regulation of Lake George Dam.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1948													27	12	52	55	39	32	39	24	16	19	11		7	14	9	4	4		1	1			
1949													3	25	46	52	52	29	26	37	24	21	21	18	7	3	1								
1950															13	41	44	46	23	26	24	24	35	27	15	20	12	11	3	1					
1951																6	9	53	69	48	39	39	26	26	26	9	6	7			2				
1952															7	36	19	16	23	37	56	38	45	34	21	12	8	9	3	2					
1953															30	39	45	52	46	39	35	33	17	12	7	4	3	2	1						
1954															2	62	118	29	14	29	30	20	19	15	12	7	3	2	2	1					
1955													3	34	26	18	25	52	62	33	27	25	21	14	12	4	5	1	1			1	1		
1956															7	16	34	41	76	58	40	31	14	9	11	7	8	4	5	4	1				
1957													12	29	14	91	43	19	37	35	19	16	22	9	7	4	2	5	1						
1958																35	38	41	87	62	26	12	20	17	14	11	2								
1959																6	46	84	50	28	15	28	17	22	20	20	11	11	4	2	1				
1960													1	14	27	16	21	16	48	54	58	38	26	16	13	13	3	2							
1961																9	28	72	36	49	45	25	16	29	21	12	9	3	5	6					
1962																8	16	25	32	18	17	36	51	61	46	16	13	11	8	6	1				
1963																9	23	55	99	61	32	25	23	12	14	2	3	5	2						
1964																10	36	52	107	44	23	21	26	15	16	4	7	5							
1965																3	18	31	72	34	21	28	26	20	27	26	23	12	12	10	2				
1966																10	30	30	24	31	52	58	25	29	20	10	14	16	8	3	3	2			
1967																5	12	34	29	34	42	50	25	27	30	21	15	15	14	7	5				
1968																	4	19	28	44	64	50	38	40	24	15	13	7	13	5	1	1			
1969																	11	38	39	19	38	72	39	32	22	17	16	15	5	2					
1970																	6	49	56	44	37	35	37	35	14	14	15	6	9	4	3			1	
1971																		18	30	46	56	48	39	40	36	21	10	10	9	2					
1972																	2	11	51	41	40	49	31	27	35	31	19	11	10	6	2				
1973																		26	39	15	12	23	39	34	53	56	30	17	11	6	3	1			
1974																		1	58	45	48	32	33	32	31	28	18	15	9	9	6				
1975																			22	25	27	47	33	62	49	30	25	14	16	8	5	1	1		
1976																	1		7	25	47	83	39	41	26	22	23	15	13	7	7	2	1		
1977																	10	35	64	73	47	32	20	27	20	22	9	4	2						
1978																		14	21	70	46	40	40	46	13	17	17	12	11	11	6	1			
1979	1	1		3			1		1	2	1	1	1		2	2	1	19	40	75	50	34	19	13	15	17	14	11	15	15	7	2	1	1	
1980																	1	9	38	57	22	34	48	53	18	21	22	22	14	5	2				
1981																			8	39	55	65	38	22	24	28	28	21	13	11	7	4	1		1
1982																		3	28	26	25	59	81	29	17	20	23	22	13	10	4	3	1	1	
1983																		1	33	33	36	19	30	70	35	35	18	15	17	11	4	5	2	1	
1984																	1		18	49	64	51	29	26	36	21	19	12	17	16	7				
1985												1	1	1		1		9	39	54	69	45	22	34	25	17	9	10	11	7	5	3	1	1	

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1	13880	100.00	12	1.4	2	13868	99.91	24	99.0	1016	3816	27.49
1	0.03	1	13879	99.99	13	2.1	1	13866	99.90	25	140.0	842	2800	20.17
2	0.04	0	13878	99.99	14	2.9	2	13865	99.89	26	200.0	642	1958	14.11
3	0.06	3	13878	99.99	15	4.2	92	13863	99.88	27	280.0	482	1316	9.48
4	0.09	0	13875	99.96	16	5.9	294	13771	99.21	28	400.0	363	834	6.01
5	0.12	0	13875	99.96	17	8.4	751	13477	97.10	29	570.0	267	471	3.39
6	0.17	1	13875	99.96	18	12.0	1645	12726	91.69	30	820.0	134	204	1.47
7	0.25	0	13874	99.96	19	17.0	1660	11081	79.83	31	1200.0	46	70	0.50
8	0.35	1	13874	99.96	20	24.0	1505	9421	67.87	32	1700.0	15	24	0.17
9	0.50	2	13873	99.95	21	34.0	1513	7916	57.03	33	2300.0	7	9	0.06
10	0.71	1	13871	99.94	22	49.0	1389	6403	46.13	34	3300.0	2	2	0.01
11	1.0	2	13870	99.93	23	69.0	1198	5014	36.12					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	9.8
P90 =	12.7
P75 =	19.8
P70 =	22.8
P50 =	43.7
P25 =	113.0
P10 =	271.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	5.80 13	5.80 9	6.50 10	8.20 12	11.00 14	13.00 11	16.00 14	17.00 12	25.00 16
1949	4.20 3	4.70 3	5.10 3	5.70 3	6.50 2	7.10 2	8.10 1	8.90 1	12.00 2
1950	8.20 22	8.50 21	9.20 18	10.00 18	11.00 15	13.00 12	16.00 15	16.00 10	22.00 10
1951	9.20 26	9.60 25	11.00 24	11.00 22	12.00 20	17.00 21	20.00 19	24.00 21	34.00 18
1952	14.00 37	15.00 37	16.00 36	19.00 36	20.00 33	28.00 33	38.00 33	43.00 31	63.00 29
1953	6.00 14	6.40 12	6.80 11	7.90 8	8.80 5	9.90 4	11.00 3	12.00 3	16.00 6
1954	6.50 16	7.10 15	7.90 14	8.10 11	8.90 6	9.90 5	11.00 4	12.00 4	12.00 3
1955	6.80 17	8.10 17	8.50 16	10.00 19	11.00 16	21.00 27	23.00 25	33.00 28	68.00 33
1956	4.60 7	5.90 10	6.10 8	6.50 6	8.20 3	15.00 18	18.00 16	20.00 14	23.00 11
1957	4.40 4	4.70 4	5.00 2	5.30 2	6.00 1	6.80 1	8.50 2	9.00 2	11.00 1
1958	11.00 32	12.00 34	12.00 29	12.00 23	13.00 21	15.00 19	24.00 26	42.00 30	63.00 30
1959	12.00 36	13.00 35	14.00 33	15.00 33	16.00 28	20.00 26	22.00 23	23.00 18	42.00 23
1960	11.00 33	11.00 28	11.00 25	12.00 24	14.00 22	33.00 36	79.00 37	97.00 37	123.00 37
1961	8.00 21	8.00 16	8.10 15	8.90 15	12.00 17	13.00 13	15.00 11	17.00 11	17.00 7
1962	7.50 19	8.20 18	9.80 20	14.00 28	26.00 36	42.00 37	67.00 36	63.00 36	102.00 36
1963	4.40 5	5.10 6	5.60 4	8.00 9	10.00 11	10.00 6	12.00 5	14.00 6	14.00 4
1964	4.70 9	4.90 5	5.60 5	6.10 4	9.20 7	11.00 7	12.00 6	13.00 5	14.00 5
1965	4.60 8	5.20 7	5.60 6	6.10 5	8.50 4	9.60 3	13.00 7	15.00 7	19.00 9
1966	5.30 11	6.10 11	6.40 9	8.40 13	11.00 12	14.00 14	21.00 20	31.00 27	81.00 34
1967	5.60 12	6.90 13	7.60 12	8.00 10	10.00 8	12.00 8	14.00 8	15.00 8	24.00 12
1968	5.00 10	5.30 8	5.70 7	6.70 7	10.00 9	12.00 9	16.00 12	24.00 19	49.00 26
1969	10.00 28	11.00 29	14.00 34	18.00 35	20.00 34	23.00 28	31.00 32	50.00 35	67.00 31
1970	8.70 23	9.30 22	10.00 21	11.00 20	12.00 18	14.00 15	22.00 24	28.00 24	29.00 17
1971	9.00 24	9.90 26	12.00 26	14.00 29	18.00 31	29.00 34	30.00 31	45.00 32	68.00 32
1972	7.60 20	8.20 19	9.20 17	11.00 21	12.00 19	14.00 16	15.00 9	21.00 16	25.00 13
1973	15.00 38	15.00 36	17.00 37	21.00 37	27.00 37	32.00 35	39.00 34	50.00 33	86.00 35
1974	12.00 34	12.00 30	13.00 30	14.00 30	16.00 29	18.00 22	19.00 17	20.00 15	25.00 14
1975	11.00 29	12.00 31	13.00 31	14.00 31	18.00 32	19.00 23	21.00 21	25.00 22	41.00 21
1976	4.40 6	8.50 20	14.00 35	14.00 32	16.00 30	20.00 24	22.00 22	24.00 20	43.00 24
1977	9.60 27	10.00 27	10.00 22	10.00 16	11.00 13	12.00 10	15.00 10	16.00 9	17.00 8
1978	7.00 18	7.10 14	7.80 13	8.50 14	15.00 26	23.00 29	24.00 27	28.00 25	44.00 25
1979	0.00 1	0.03 1	0.20 1	1.60 1	10.00 10	14.00 17	16.00 13	18.00 13	25.00 15
1980	9.00 25	9.40 23	9.70 19	10.00 17	14.00 23	20.00 25	27.00 30	37.00 29	36.00 19
1981	6.00 15	9.60 24	11.00 23	13.00 25	14.00 24	23.00 30	48.00 35	50.00 34	51.00 27
1982	12.00 35	22.00 38	27.00 38	35.00 38	48.00 38	84.00 38	114.00 38	110.00 38	129.00 38
1983	11.00 30	12.00 32	12.00 27	13.00 26	14.00 25	17.00 20	19.00 18	23.00 17	36.00 20
1984	11.00 31	12.00 33	12.00 28	13.00 27	16.00 27	23.00 31	25.00 28	27.00 23	60.00 28
1985	1.19 2	1.80 2	13.00 32	16.00 34	22.00 35	23.00 32	25.00 29	30.00 26	42.00 22

## 04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	2460.00 6	1800.00 8	1160.00 8	713.00 10	406.00 16	297.00 16	280.00 14	229.00 16	165.00 22
1949	584.00 35	554.00 35	401.00 34	309.00 34	226.00 34	187.00 33	163.00 32	138.00 32	110.00 33
1950	1840.00 11	1490.00 11	921.00 13	617.00 13	481.00 9	420.00 4	373.00 2	378.00 1	308.00 1
1951	1200.00 22	1060.00 17	645.00 24	361.00 32	263.00 31	241.00 26	237.00 20	203.00 23	163.00 24
1952	1300.00 18	989.00 22	658.00 22	419.00 27	278.00 29	209.00 31	206.00 28	188.00 24	177.00 19
1953	863.00 31	734.00 32	566.00 31	365.00 30	248.00 33	174.00 34	136.00 35	127.00 34	96.00 35
1954	1320.00 17	964.00 23	618.00 26	376.00 29	278.00 30	235.00 27	181.00 30	147.00 30	112.00 32
1955	3340.00 2	2470.00 1	1490.00 1	838.00 5	453.00 13	255.00 25	219.00 24	185.00 26	173.00 21
1956	1220.00 19	990.00 21	652.00 23	597.00 16	388.00 18	216.00 29	209.00 27	176.00 29	123.00 31
1957	1420.00 16	1160.00 16	717.00 21	419.00 28	310.00 27	208.00 32	214.00 25	186.00 25	135.00 28
1958	660.00 34	598.00 33	527.00 32	352.00 33	204.00 35	134.00 36	139.00 34	111.00 35	104.00 34
1959	1810.00 12	1260.00 14	831.00 14	651.00 11	475.00 10	340.00 12	299.00 11	264.00 12	228.00 8
1960	1200.00 20	1030.00 18	741.00 17	475.00 24	349.00 22	275.00 21	244.00 17	234.00 14	210.00 12
1961	1150.00 23	1030.00 19	763.00 15	509.00 22	315.00 26	216.00 30	166.00 31	140.00 31	134.00 29
1962	850.00 32	750.00 31	568.00 30	540.00 19	378.00 20	263.00 24	214.00 26	178.00 28	150.00 27
1963	540.00 36	488.00 36	350.00 36	221.00 37	142.00 38	84.00 38	73.00 38	63.00 38	56.00 37
1964	378.00 38	328.00 38	228.00 38	187.00 38	161.00 37	115.00 37	92.00 37	74.00 37	55.00 38
1965	1040.00 24	844.00 28	595.00 28	452.00 25	317.00 25	284.00 17	232.00 22	209.00 21	152.00 26
1966	2090.00 9	1770.00 9	1220.00 7	780.00 6	458.00 12	273.00 22	244.00 18	212.00 19	218.00 10
1967	1040.00 25	885.00 25	609.00 27	544.00 18	487.00 8	359.00 9	287.00 13	229.00 17	190.00 16
1968	1850.00 10	1500.00 10	1100.00 10	736.00 9	409.00 15	305.00 14	243.00 19	229.00 18	185.00 18
1969	906.00 29	773.00 30	515.00 33	422.00 26	328.00 23	265.00 23	204.00 29	211.00 20	176.00 20
1970	2580.00 5	1900.00 5	1320.00 5	757.00 8	525.00 6	459.00 3	341.00 5	281.00 9	205.00 14
1971	680.00 33	575.00 34	384.00 35	288.00 35	253.00 32	217.00 28	157.00 33	137.00 33	128.00 30
1972	883.00 30	796.00 29	582.00 29	364.00 31	299.00 28	280.00 18	224.00 23	181.00 27	153.00 25
1973	1720.00 14	1280.00 13	963.00 12	584.00 17	465.00 11	354.00 10	315.00 9	314.00 4	292.00 2
1974	1040.00 26	940.00 24	731.00 19	520.00 21	320.00 24	280.00 19	255.00 16	233.00 15	204.00 15
1975	1700.00 15	1200.00 15	736.00 18	538.00 20	382.00 19	278.00 20	269.00 15	268.00 11	237.00 7
1976	1730.00 13	1450.00 12	1080.00 11	771.00 7	561.00 5	349.00 11	338.00 6	276.00 10	207.00 13
1977	526.00 37	394.00 37	274.00 37	222.00 36	178.00 36	146.00 35	121.00 36	96.00 36	72.00 36
1978	1200.00 21	997.00 20	761.00 16	599.00 15	577.00 4	389.00 8	318.00 8	249.00 13	189.00 17
1979	2390.00 7	1820.00 7	1430.00 4	970.00 3	740.00 1	578.00 1	452.00 1	349.00 2	245.00 5
1980	1010.00 27	874.00 26	630.00 25	501.00 23	375.00 21	297.00 15	235.00 21	206.00 22	164.00 23
1981	3370.00 1	2280.00 2	1490.00 2	852.00 4	505.00 7	398.00 6	369.00 3	328.00 3	266.00 3
1982	2300.00 8	1880.00 6	1440.00 3	1010.00 1	669.00 2	510.00 2	368.00 4	305.00 5	245.00 6
1983	2670.00 3	2060.00 3	1120.00 9	612.00 14	447.00 14	397.00 7	299.00 12	297.00 7	260.00 4
1984	986.00 28	866.00 27	719.00 20	620.00 12	402.00 17	332.00 13	324.00 7	298.00 6	226.00 9
1985	2670.00 4	1990.00 4	1300.00 6	981.00 2	589.00 3	419.00 5	304.00 10	288.00 8	211.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	140.00 30
1949	85.00 13
1950	126.00 24
1951	114.00 18
1952	132.00 25
1953	76.00 10
1954	51.00 5
1955	122.00 21
1956	47.00 3
1957	51.00 4
1958	108.00 17
1959	102.00 16
1960	164.00 35
1961	71.00 9
1962	142.00 31
1963	37.00 2
1964	28.00 1
1965	69.00 7
1966	139.00 29
1967	116.00 19
1968	133.00 28
1969	100.00 15
1970	80.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	90.00 27
1949	63.00 34
1950	170.00 3
1951	103.00 23
1952	120.00 14
1953	56.00 35
1954	64.00 33
1955	102.00 24
1956	72.00 32
1957	75.00 31
1958	85.00 29
1959	127.00 12
1960	149.00 5
1961	86.00 28
1962	93.00 26
1963	35.00 38
1964	36.00 37
1965	105.00 22
1966	131.00 10
1967	110.00 20
1968	129.00 11
1969	109.00 21
1970	120.00 15

04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART , IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	155.00	33
1972	59.00	6
1973	178.00	37
1974	132.00	26
1975	125.00	23
1976	147.00	32
1977	71.00	8
1978	83.00	12
1979	132.00	27
1980	124.00	22
1981	87.00	14
1982	240.00	38
1983	119.00	20
1984	165.00	36
1985	158.00	34

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	81.00	30
1972	100.00	25
1973	190.00	1
1974	116.00	18
1975	144.00	7
1976	120.00	16
1977	52.00	36
1978	116.00	17
1979	137.00	8
1980	111.00	19
1981	168.00	4
1982	147.00	6
1983	172.00	2
1984	137.00	9
1985	121.00	13

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	*	*	*	*	*	*	561.00	331.00	205.00	17.50	11.70	26.60
1948	13.50	26.30	56.40	36.00	136.00	273.00	90.50	394.00	24.10	11.30	10.00	6.91
1949	7.40	17.70	21.60	104.00	196.00	142.00	113.00	76.50	36.60	29.60	13.50	12.50
1950	22.10	16.50	268.00	365.00	198.00	359.00	477.00	77.20	158.00	62.60	20.10	15.90
1951	24.20	36.20	42.70	125.00	205.00	141.00	237.00	224.00	55.80	83.80	30.50	34.10
1952	61.10	243.00	78.10	265.00	85.50	184.00	200.00	65.30	218.00	23.00	12.30	10.60
1953	12.00	18.40	21.70	31.80	78.30	220.00	83.80	81.70	66.30	32.90	13.10	9.06
1954	13.50	11.50	15.10	19.50	49.80	209.00	236.00	73.80	30.10	67.50	29.90	11.50
1955	433.00	50.50	76.90	161.00	115.00	175.00	88.20	30.10	21.50	19.90	26.10	14.20
1956	29.50	35.10	23.60	18.30	158.00	109.00	120.00	303.00	31.80	16.80	11.20	8.95
1957	6.42	10.70	15.60	18.30	25.90	38.30	227.00	181.00	102.00	222.00	33.60	13.80
1958	41.10	118.00	126.00	55.10	75.20	102.00	45.50	21.80	202.00	41.50	170.00	25.80
1959	16.30	30.90	20.10	37.70	415.00	229.00	186.00	219.00	48.20	250.00	68.40	28.90
1960	155.00	205.00	137.00	227.00	297.00	149.00	241.00	89.20	187.00	73.70	18.60	15.20
1961	13.60	24.60	13.80	18.10	26.50	132.00	273.00	85.30	61.40	67.70	90.80	233.00
1962	95.60	109.00	74.20	110.00	147.00	362.00	80.40	67.40	32.00	17.40	11.70	10.20
1963	17.10	20.50	12.50	11.80	19.20	136.00	23.10	55.30	23.20	67.60	21.70	12.20
1964	9.53	16.90	13.30	19.60	14.70	58.80	154.00	58.80	19.90	17.50	8.81	40.20
1965	12.40	16.70	24.50	130.00	97.90	252.00	315.00	94.50	27.70	11.70	31.80	246.00
1966	132.00	40.80	328.00	139.00	118.00	182.00	196.00	341.00	39.90	18.20	14.10	11.00
1967	16.30	52.50	196.00	34.20	109.00	355.00	318.00	116.00	73.50	22.40	14.00	16.90
1968	72.30	185.00	244.00	115.00	345.00	94.80	112.00	35.60	101.00	45.70	176.00	30.80
1969	20.00	59.50	142.00	213.00	108.00	152.00	248.00	181.00	59.00	83.50	27.30	12.70
1970	35.00	42.90	31.70	40.90	99.90	101.00	441.00	454.00	90.80	33.00	25.70	47.10
1971	118.00	103.00	90.50	28.90	236.00	198.00	44.40	37.70	29.50	37.50	21.30	36.40
1972	14.90	12.70	91.40	118.00	40.40	219.00	231.00	208.00	49.90	34.90	55.50	124.00
1973	123.00	334.00	237.00	327.00	161.00	247.00	444.00	126.00	220.00	29.30	20.30	16.40
1974	20.80	23.10	62.30	240.00	230.00	162.00	189.00	303.00	87.30	41.60	22.40	21.40
1975	29.50	69.10	80.20	270.00	233.00	164.00	359.00	135.00	277.00	73.70	26.60	21.90
1976	21.80	29.40	127.00	33.30	253.00	418.00	179.00	233.00	36.70	47.70	40.80	16.40
1977	17.70	21.40	15.90	10.80	73.20	161.00	112.00	35.00	22.30	28.50	26.90	104.00
1978	47.00	79.20	146.00	31.30	21.20	333.00	364.00	232.00	41.30	44.90	24.40	22.10
1979	15.60	13.10	34.70	50.00	41.30	688.00	428.00	199.00	35.40	21.00	85.30	17.50
1980	23.20	67.00	137.00	69.30	72.40	329.00	228.00	60.30	147.00	14.90	53.60	134.00
1981	25.10	20.30	121.00	37.30	141.00	78.30	338.00	262.00	492.00	181.00	96.90	235.00
1982	90.80	166.00	101.00	114.00	180.00	624.00	288.00	66.30	55.30	40.30	19.30	19.40
1983	18.20	104.00	393.00	81.00	181.00	172.00	384.00	328.00	44.40	302.00	25.60	24.80
1984	26.40	71.30	181.00	28.80	220.00	343.00	294.00	271.00	129.00	39.20	22.50	27.70
1985	29.60	59.70	127.00	219.00	325.00	369.00	182.00	33.10	24.50	18.80	42.00	36.90

04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART , IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
15.40	19.80	23.10	30.70	73.00	140.00
FIFTIETH PERCENTILE					
22.60	38.50	79.10	62.20	127.00	183.00
SEVENTY FIFTH PERCENTILE					
50.50	85.10	138.00	145.00	209.00	330.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
113.00	65.30	31.80	19.90	14.10	12.70
FIFTIETH PERCENTILE					
228.00	116.00	55.30	37.50	25.60	21.40
SEVENTY FIFTH PERCENTILE					
318.00	233.00	129.00	67.60	40.80	36.40

## STREAMS TRIBUTARY TO LAKE MICHIGAN

## 04093200 LITTLE CALUMET RIVER AT GARY, IN

LOCATION.--Lat 41°34'19", long 87°19'13", in NE¼SE¼ sec.15, T.36 N., R.8 W., Lake County, Hydrologic Unit 04040001, on right bank at upstream side of bridge on Pennsylvania Railroad at Gary, 1.3 mi downstream from bridge on State Highway 53, and 1.5 mi upstream from confluence with Deep River.

DRAINAGE AREA.--5.8 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1958 to September 1967, October 1968 to September 30, 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 580.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--12 years, 16.3 ft<sup>3</sup>/s.

REMARKS.--During times of flood on Deep River, reverse flow may occur at the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 250 ft<sup>3</sup>/s May 16, 1970, gage height, 11.35 ft; no flow at times during most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1954 reached a stage of 13.09 ft, from floodmarks.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1959	8						1		1				2	2	10	5	2	14	10	22	54	42	22	31	14	22	23	27	17	19	7	8	2			
1960	18										1	6	3	6	4	10	12	6	9	9	8	4	57	59	70	34	26	16	8							
1961	12						2		8		4	6	3	39	22	21	26	24	26	16	34	11	26	18	16	20	9	8	5	2	7					
1962	54								2		2	4	4	4	2	10	8	3	6	43	21	19	39	36	55	17	14	10	9	2	1					
1963	78							6	4		2	6	5	2	7	14	31	31	41	38	30	13	32	7	6	6	6									
1964	30								23	24		9	24	12	15	12	19	19	17	13	44	26	5	21	15	19	16	3								
1965													6	8	6	4	7	31	41	27	25	28	18	25	20	20	45	38	12	4						
1966								1	3		4	6	3	2	4	11	19	16	19	17	25	26	35	36	36	29	32	13	7	12	9					
1967	5							4	8		2	4	8	12	14	11	13	15	23	26	17	25	36	30	24	24	36	18	6	4						
1969	8	2		3		2		1	5	6	1	3	6	33	9	10	9	7	7	15	20	24	36	39	49	34	23	9	4							
1970	4	1							1				4	8	6	4	2	3	22	42	33	35	50	41	30	27	18	18	9	2	1	4				
1971	3	1				1		1	1		1	4	2	4	5	19	23	33	46	35	29	13	48	49	20	16	11									

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	220	4382	100.00	12	0.54	60	3953	90.21	24	21.0	367	1154	26.33
1	0.01	4	4162	94.98	13	0.73	141	3893	88.84	25	29.0	291	787	17.96
2	0.02	0	4158	94.89	14	0.99	94	3752	85.62	26	39.0	243	496	11.32
3	0.03	3	4158	94.89	15	1.3	138	3658	83.48	27	53.0	121	253	5.77
4	0.05	0	4155	94.82	16	1.8	207	3520	80.33	28	72.0	71	132	3.01
5	0.06	3	4155	94.82	17	2.5	206	3313	75.60	29	98.0	29	61	1.39
6	0.09	37	4152	94.75	18	3.4	261	3107	70.90	30	130.0	26	32	0.73
7	0.12	2	4115	93.91	19	4.6	364	2846	64.95	31	180.0	6	6	0.14
8	0.16	57	4113	93.86	20	6.2	313	2482	56.64	32	250.0	0	0	0.00
9	0.21	6	4056	92.56	21	8.4	215	2169	49.50	33				
10	0.29	26	4050	92.42	22	11.0	436	1954	44.59	34				
11	0.40	71	4024	91.83	23	16.0	364	1518	34.64					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.01  
P90 = 0.57  
P75 = 2.6  
P70 = 3.6  
P50 = 8.2  
P25 = 22.3  
P10 = 42.3

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1960	0.00 1	0.00 1	0.00 1	0.19 6	0.59 7	3.70 8	7.00 9	9.90 9	13.00 9
1961	0.00 2	0.00 2	0.00 2	0.00 1	0.19 5	0.34 3	0.54 2	0.86 1	0.97 2
1962	1.70 10	1.80 10	2.10 10	2.50 10	3.30 10	5.60 9	5.30 8	6.40 8	18.00 10
1963	0.00 3	0.00 3	0.00 3	0.00 2	0.00 1	0.00 1	0.35 1	0.89 2	0.94 1
1964	0.00 4	0.00 4	0.00 4	0.00 3	0.17 3	1.30 6	2.30 5	2.00 4	3.00 4
1965	0.00 5	0.00 5	0.00 5	0.04 5	0.17 4	0.29 2	0.96 3	1.30 3	2.50 3
1966	0.40 8	0.43 8	0.51 8	0.69 8	1.10 8	2.10 7	3.40 6	5.60 7	12.00 8
1967	0.10 7	0.20 7	0.21 7	0.40 7	0.55 6	0.82 4	1.90 4	2.50 5	5.00 5
1970	0.00 6	0.00 6	0.00 6	0.02 4	0.08 2	1.30 5	3.60 7	5.10 6	5.70 6
1971	1.19 9	1.30 9	1.60 9	2.30 9	2.60 9	5.90 10	8.60 10	11.00 10	12.00 7

## 04093200 LITTLE CALUMET RIVER AT GARY, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1959	196.00 2	183.00 2	149.00 2	99.00 3	85.00 1	59.00 2	58.00 1	59.00 1	45.00 1
1960	88.00 9	85.00 9	73.00 8	57.00 8	50.00 8	37.00 8	37.00 6	36.00 5	32.00 4
1961	159.00 3	153.00 4	116.00 4	87.00 4	58.00 6	42.00 6	34.00 7	28.00 7	21.00 9
1962	141.00 5	110.00 6	82.00 6	79.00 5	59.00 5	40.00 7	32.00 8	27.00 8	26.00 7
1963	52.00 10	51.00 10	45.00 11	37.00 10	26.00 12	15.00 12	11.00 12	10.00 12	9.50 12
1964	41.00 12	40.00 12	37.00 12	33.00 12	29.00 10	24.00 10	19.00 10	16.00 10	11.00 11
1965	94.00 8	92.00 7	78.00 7	60.00 7	52.00 7	44.00 5	39.00 5	36.00 6	27.00 6
1966	158.00 4	158.00 3	148.00 3	120.00 1	76.00 3	50.00 4	44.00 4	40.00 3	40.00 2
1967	116.00 6	112.00 5	99.00 5	75.00 6	66.00 4	55.00 3	45.00 3	36.00 4	31.00 5
1969	94.00 7	85.00 8	72.00 9	55.00 9	38.00 9	32.00 9	27.00 9	25.00 9	23.00 8
1970	247.00 1	235.00 1	180.00 1	114.00 2	85.00 2	70.00 1	55.00 2	46.00 2	34.00 3
1971	50.00 11	49.00 11	46.00 10	35.00 11	28.00 11	23.00 11	17.00 11	15.00 11	16.00 10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1960	26.00 10
1961	12.00 4
1962	23.00 7
1963	4.70 1
1964	6.90 2
1965	11.00 3
1966	24.00 8
1967	19.00 6
1970	13.00 5
1971	24.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1959	25.00 1
1960	21.00 4
1961	14.00 9
1962	16.00 8
1963	5.60 12
1964	6.40 11
1965	17.00 6
1966	25.00 2
1967	19.00 5
1969	16.00 7
1970	21.00 3
1971	11.00 10

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	*	*	*	*	*	*	*	*	*	3.46	19.50	8.41
1959	5.18	6.38	3.83	7.97	57.90	48.90	36.90	81.30	20.80	21.60	9.88	1.73
1960	11.90	19.00	18.70	29.10	41.90	24.30	46.60	20.60	27.60	10.80	1.61	0.49
1961	0.20	1.40	1.44	1.10	4.43	30.10	40.60	29.70	8.39	4.98	6.05	35.60
1962	35.30	23.00	11.20	12.30	20.40	54.20	17.00	13.50	2.23	6.05	1.59	0.00
1963	2.39	2.47	0.64	0.01	0.55	9.86	6.48	9.44	2.38	16.70	11.10	4.42
1964	0.80	3.50	2.87	1.19	5.50	18.40	28.40	8.78	2.47	1.60	0.18	3.29
1965	4.98	2.97	5.45	20.00	23.60	36.40	48.40	28.20	5.26	1.36	4.08	24.40
1966	26.60	9.98	41.50	43.70	23.50	33.50	25.00	71.40	12.20	3.27	5.45	0.77
1967	0.93	8.62	36.10	8.76	15.50	43.20	59.20	24.30	12.60	6.73	2.79	3.51
1969	2.78	13.70	23.30	20.80	18.10	17.10	29.70	24.40	18.70	16.20	8.58	0.14
1970	6.56	8.76	6.66	4.33	17.40	19.40	62.20	76.00	22.70	7.93	9.22	15.20
1971	21.30	15.30	11.00	2.81	19.20	25.10	5.25	8.40	5.69	3.06	2.33	8.72

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04093200 LITTLE CALUMET RIVER AT GARY, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1.29	3.10	3.11	1.59	8.00	18.60
FIFTIETH PERCENTILE					
5.08	8.69	8.83	8.36	18.60	27.60
SEVENTY FIFTH PERCENTILE					
18.89	14.90	22.10	20.60	23.60	41.50
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
19.00	10.50	3.17	3.16	1.97	0.63
FIFTIETH PERCENTILE					
33.30	24.30	10.30	6.05	5.45	3.51
SEVENTY FIFTH PERCENTILE					
47.90	61.00	20.30	13.50	9.55	12.00



LOCATION.--Lat 41°37'18", long 87°05'13", in NE¼NE¼ sec.34, T.37 N., R.6 W., Porter County, Hydrologic Unit 04040001, on right bank at downstream end of county road bridge, 200 ft upstream from bridge on U.S. Highway 20, 0.8 mi northwest of Porter, and 4.5 mi upstream from Salt Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,110 ft<sup>3</sup>/s Oct. 10, 1954, gage height, 11.66 ft; minimum daily, 17 ft<sup>3</sup>/s Aug. 24, 1965.

[illegible]

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04094000 LITTLE CALUMET RIVER AT PORTER, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14610	100.00	12	83.0	537	2968	20.31	24	470.0	37	161	1.10
1	17.0	24	14610	100.00	13	96.0	432	2431	16.64	25	550.0	30	124	0.85
2	20.0	317	14586	99.84	14	110.0	443	1999	13.68	26	630.0	40	94	0.64
3	23.0	594	14269	97.67	15	130.0	302	1556	10.65	27	730.0	22	54	0.37
4	26.0	1396	13675	93.60	16	150.0	222	1254	8.58	28	840.0	7	32	0.22
5	30.0	1743	12279	84.05	17	170.0	218	1032	7.06	29	980.0	10	25	0.17
6	35.0	1535	10536	72.11	18	200.0	135	814	5.57	30	1100.0	5	15	0.10
7	40.0	1747	9001	61.61	19	230.0	154	679	4.65	31	1300.0	4	10	0.07
8	47.0	1346	7254	49.65	20	270.0	131	525	3.59	32	1500.0	3	6	0.04
9	54.0	1166	5908	40.44	21	310.0	87	394	2.70	33	1700.0	1	3	0.02
10	62.0	1016	4742	32.46	22	350.0	81	307	2.10	34	2000.0	2	2	0.01
11	72.0	758	3726	25.50	23	410.0	65	226	1.55					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	25.0
P90 =	27.5
P75 =	33.8
P70 =	36.0
P50 =	46.8
P25 =	73.1
P10 =	136.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1947	19.00 5	20.00 4	20.00 2	20.00 1	21.00 1	25.00 8	26.00 6	27.00 6	34.00 11
1948	20.00 6	20.00 5	20.00 3	21.00 3	22.00 4	32.00 26	33.00 19	34.00 16	39.00 16
1949	20.00 7	21.00 8	22.00 10	22.00 9	23.00 9	25.00 9	26.00 7	27.00 7	30.00 5
1950	22.00 15	22.00 12	23.00 14	24.00 13	25.00 12	27.00 11	29.00 11	30.00 11	35.00 12
1951	30.00 36	30.00 36	31.00 36	32.00 35	33.00 36	34.00 32	35.00 25	37.00 25	50.00 29
1952	33.00 38	33.00 38	34.00 37	36.00 38	40.00 38	46.00 38	49.00 37	49.00 38	67.00 38
1953	25.00 23	25.00 22	25.00 18	25.00 14	27.00 17	28.00 12	29.00 12	30.00 12	33.00 7
1954	18.00 2	18.00 1	20.00 4	21.00 4	21.00 2	22.00 1	23.00 1	25.00 2	28.00 3
1955	25.00 24	26.00 27	26.00 23	27.00 24	28.00 22	33.00 29	41.00 32	40.00 29	63.00 36
1956	26.00 30	26.00 28	27.00 30	27.00 25	30.00 30	34.00 30	38.00 30	40.00 30	46.00 26
1957	21.00 10	21.00 9	22.00 11	22.00 10	22.00 5	23.00 2	24.00 4	25.00 3	27.00 2
1958	25.00 25	25.00 23	26.00 24	27.00 26	28.00 23	31.00 20	36.00 26	37.00 26	45.00 24
1959	20.00 8	20.00 6	20.00 5	21.00 5	23.00 10	24.00 6	25.00 5	27.00 4	30.00 4
1960	22.00 11	23.00 13	23.00 12	25.00 15	25.00 13	31.00 21	49.00 38	47.00 36	60.00 34
1961	24.00 19	25.00 24	26.00 25	28.00 31	31.00 33	32.00 27	33.00 20	33.00 13	35.00 13
1962	25.00 26	26.00 29	26.00 26	27.00 27	28.00 24	40.00 37	42.00 34	43.00 33	61.00 35
1963	20.00 9	21.00 10	21.00 8	22.00 11	23.00 11	24.00 7	27.00 8	29.00 10	33.00 8
1964	19.00 3	20.00 7	20.00 6	21.00 6	22.00 6	23.00 3	23.00 2	24.00 1	25.00 1
1965	19.00 4	19.00 3	20.00 7	21.00 7	22.00 7	23.00 4	28.00 9	28.00 8	31.00 6
1966	17.00 1	18.00 2	19.00 1	20.00 2	21.00 3	23.00 5	24.00 3	27.00 5	49.00 28
1967	22.00 12	22.00 11	22.00 9	22.00 8	23.00 8	26.00 10	28.00 10	29.00 9	34.00 9
1968	24.00 20	24.00 17	25.00 19	26.00 19	29.00 25	31.00 22	32.00 13	34.00 17	46.00 25
1969	25.00 27	25.00 25	25.00 20	26.00 20	27.00 18	30.00 16	32.00 14	34.00 18	41.00 18
1970	26.00 28	26.00 26	26.00 27	26.00 21	27.00 19	28.00 13	36.00 27	40.00 31	42.00 20
1971	22.00 13	24.00 18	26.00 28	28.00 28	29.00 26	37.00 33	44.00 35	47.00 34	52.00 30
1972	23.00 16	24.00 19	25.00 21	28.00 29	29.00 27	30.00 17	32.00 15	33.00 14	35.00 14
1973	24.00 21	24.00 20	25.00 22	26.00 22	30.00 31	32.00 23	33.00 21	34.00 15	66.00 37
1974	28.00 33	28.00 34	29.00 33	29.00 32	31.00 32	33.00 28	37.00 28	38.00 27	44.00 22
1975	26.00 29	27.00 30	27.00 29	27.00 23	28.00 20	30.00 18	32.00 16	35.00 19	41.00 19
1976	28.00 34	28.00 31	29.00 34	32.00 36	33.00 34	37.00 34	38.00 29	39.00 28	47.00 27
1977	23.00 17	23.00 14	24.00 15	25.00 16	26.00 14	30.00 19	33.00 22	35.00 20	34.00 10
1978	22.00 14	23.00 15	23.00 13	24.00 12	27.00 15	29.00 14	34.00 23	35.00 21	43.00 21
1979	23.00 18	23.00 16	24.00 16	25.00 17	28.00 21	30.00 15	32.00 17	35.00 22	39.00 17
1980	27.00 31	28.00 32	28.00 31	28.00 30	29.00 28	32.00 24	34.00 24	35.00 23	36.00 15
1981	25.00 22	25.00 21	25.00 17	26.00 18	27.00 16	34.00 31	49.00 36	49.00 37	55.00 32
1982	36.00 39	36.00 39	37.00 39	40.00 39	49.00 39	68.00 39	74.00 39	85.00 39	90.00 39
1983	31.00 37	32.00 37	34.00 38	34.00 37	36.00 37	38.00 35	41.00 33	47.00 35	57.00 33
1984	29.00 35	30.00 35	31.00 35	31.00 34	33.00 35	38.00 36	40.00 31	43.00 32	53.00 31
1985	27.00 32	28.00 33	28.00 32	29.00 33	30.00 29	32.00 25	33.00 18	36.00 24	45.00 23

## 04094000 LITTLE CALUMET RIVER AT PORTER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1946	462.00 36	383.00 35	312.00 30	204.00 32	159.00 27	111.00 33	115.00 29	100.00 30	88.00 27
1947	1400.00 6	986.00 6	580.00 8	345.00 9	299.00 4	229.00 3	194.00 1	156.00 7	121.00 9
1948	1660.00 3	998.00 5	586.00 6	338.00 11	199.00 18	167.00 13	167.00 9	139.00 10	105.00 22
1949	526.00 34	409.00 32	260.00 32	185.00 33	128.00 37	110.00 34	100.00 32	99.00 31	83.00 33
1950	1260.00 9	753.00 12	416.00 17	321.00 12	234.00 8	205.00 6	180.00 5	179.00 1	171.00 1
1951	1300.00 8	785.00 10	436.00 15	248.00 23	176.00 21	148.00 18	138.00 17	123.00 20	110.00 17
1952	885.00 19	566.00 23	346.00 27	219.00 27	160.00 26	137.00 25	133.00 20	119.00 21	107.00 18
1953	387.00 37	254.00 39	181.00 39	130.00 39	107.00 39	89.00 38	83.00 38	81.00 37	68.00 36
1954	802.00 20	551.00 26	360.00 25	233.00 24	174.00 22	147.00 19	123.00 25	103.00 27	84.00 32
1955	2600.00 1	1830.00 1	1070.00 1	735.00 1	428.00 1	249.00 1	194.00 2	170.00 3	147.00 3
1956	773.00 22	580.00 21	350.00 26	252.00 21	163.00 25	108.00 35	118.00 28	103.00 28	85.00 29
1957	645.00 27	562.00 25	381.00 19	231.00 25	151.00 30	108.00 36	91.00 37	80.00 38	66.00 37
1958	475.00 35	422.00 30	309.00 31	209.00 30	134.00 36	100.00 37	96.00 36	95.00 33	84.00 30
1959	986.00 16	674.00 15	373.00 22	250.00 22	204.00 16	162.00 15	152.00 12	128.00 17	105.00 19
1960	920.00 18	602.00 19	418.00 16	263.00 17	206.00 15	153.00 17	139.00 16	131.00 14	122.00 8
1961	698.00 26	564.00 24	455.00 13	316.00 13	199.00 17	147.00 20	121.00 26	103.00 29	84.00 31
1962	567.00 30	479.00 29	331.00 28	297.00 15	198.00 19	141.00 23	120.00 27	108.00 26	92.00 26
1963	367.00 38	285.00 37	233.00 36	177.00 34	120.00 38	84.00 39	79.00 39	69.00 39	60.00 39
1964	264.00 40	192.00 40	124.00 40	99.00 40	90.00 40	71.00 40	60.00 40	53.00 40	46.00 40
1965	560.00 31	413.00 31	259.00 33	175.00 35	145.00 33	136.00 26	124.00 24	114.00 24	93.00 25
1966	1620.00 4	1040.00 4	594.00 4	349.00 8	215.00 13	139.00 24	125.00 23	115.00 23	117.00 13
1967	720.00 24	604.00 18	362.00 24	259.00 19	207.00 14	159.00 16	141.00 14	125.00 19	112.00 15
1968	1190.00 10	754.00 11	585.00 7	367.00 6	216.00 11	166.00 14	137.00 18	133.00 13	118.00 10
1969	539.00 32	385.00 34	246.00 34	207.00 31	153.00 28	123.00 29	109.00 30	109.00 25	102.00 23
1970	771.00 23	567.00 22	457.00 12	304.00 14	228.00 9	184.00 11	148.00 13	130.00 15	105.00 20
1971	568.00 29	403.00 33	238.00 35	172.00 36	149.00 31	125.00 28	99.00 33	89.00 35	81.00 35
1972	1020.00 13	601.00 20	379.00 20	216.00 29	143.00 34	115.00 32	98.00 34	92.00 34	86.00 28
1973	1020.00 14	721.00 13	443.00 14	275.00 16	218.00 10	205.00 7	180.00 6	164.00 5	160.00 2
1974	570.00 28	485.00 28	327.00 29	217.00 28	135.00 35	134.00 27	127.00 22	119.00 22	102.00 24
1975	982.00 17	609.00 17	369.00 23	225.00 26	167.00 24	145.00 22	132.00 21	126.00 18	118.00 11
1976	1040.00 12	824.00 8	579.00 9	395.00 4	312.00 3	202.00 8	190.00 3	158.00 6	124.00 7
1977	344.00 39	283.00 38	186.00 38	155.00 38	146.00 32	122.00 30	98.00 35	81.00 36	66.00 38
1978	800.00 21	717.00 14	510.00 11	351.00 7	287.00 5	207.00 5	166.00 10	137.00 11	118.00 12
1979	1320.00 7	981.00 7	631.00 3	382.00 5	266.00 6	208.00 4	171.00 7	140.00 8	113.00 14
1980	528.00 33	365.00 36	229.00 37	164.00 37	152.00 29	116.00 31	105.00 31	96.00 32	82.00 34
1981	2010.00 2	1070.00 3	589.00 5	342.00 10	197.00 20	193.00 9	169.00 8	173.00 2	142.00 5
1982	1500.00 5	1180.00 2	813.00 2	532.00 2	343.00 2	243.00 2	190.00 4	169.00 4	145.00 4
1983	998.00 15	649.00 16	401.00 18	260.00 18	215.00 12	189.00 10	153.00 11	139.00 9	133.00 6
1984	706.00 25	528.00 27	376.00 21	252.00 20	169.00 23	147.00 21	139.00 15	136.00 12	110.00 16
1985	1100.00 11	807.00 9	539.00 10	404.00 3	246.00 7	179.00 12	136.00 19	130.00 16	105.00 21

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1947	48.00 4
1948	91.00 32
1949	63.00 14
1950	82.00 24
1951	92.00 35
1952	95.00 36
1953	52.00 6
1954	49.00 5
1955	105.00 37
1956	60.00 11
1957	46.00 2
1958	71.00 20
1959	54.00 7
1960	91.00 33
1961	56.00 8
1962	86.00 28
1963	47.00 3
1964	36.00 1
1965	58.00 10
1966	75.00 21
1967	79.00 22
1968	84.00 25
1969	66.00 16
1970	63.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1946	63.00 30
1947	79.00 14
1948	69.00 23
1949	59.00 34
1950	111.00 2
1951	80.00 11
1952	79.00 15
1953	49.00 38
1954	57.00 35
1955	98.00 5
1956	62.00 31
1957	50.00 37
1958	61.00 33
1959	68.00 24
1960	90.00 7
1961	65.00 29
1962	66.00 27
1963	47.00 39
1964	36.00 40
1965	66.00 28
1966	79.00 16
1967	75.00 18
1968	80.00 12
1969	74.00 20

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04094000 LITTLE CALUMET RIVER AT PORTER, IN--Continued

ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	85.00	26
1972	57.00	9
1973	105.00	38
1974	88.00	30
1975	70.00	19
1976	92.00	34
1977	62.00	12
1978	68.00	18
1979	81.00	23
1980	63.00	13
1981	67.00	17
1982	137.00	39
1983	86.00	29
1984	91.00	31
1985	85.00	27

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	75.00	19
1971	62.00	32
1972	68.00	25
1973	120.00	1
1974	71.00	22
1975	81.00	8
1976	81.00	9
1977	53.00	36
1978	81.00	10
1979	76.00	17
1980	68.00	26
1981	100.00	4
1982	106.00	3
1983	95.00	6
1984	79.00	13
1985	72.00	21

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	50.60	47.90	49.00	119.00	67.30	150.00	51.70	41.60	92.20	25.60	27.20	27.60
1947	29.20	41.30	53.40	68.30	37.50	76.60	293.00	130.00	118.00	35.00	30.20	38.70
1948	35.50	43.10	51.40	38.50	129.00	153.00	64.60	194.00	42.00	28.90	25.40	25.20
1949	28.50	38.00	41.30	73.40	121.00	78.80	83.30	99.20	38.10	50.00	25.90	29.90
1950	32.80	36.10	136.00	156.00	103.00	196.00	211.00	59.10	234.00	82.10	46.80	35.10
1951	34.00	42.30	61.00	115.00	114.00	81.90	136.00	156.00	45.70	52.70	53.00	77.20
1952	87.80	144.00	83.40	154.00	70.20	82.00	98.40	67.10	64.40	33.50	32.50	28.50
1953	28.00	36.10	38.60	46.40	58.70	97.60	66.20	81.70	55.90	29.20	27.40	21.40
1954	24.50	27.40	36.80	34.70	65.60	118.00	174.00	49.90	36.40	55.80	38.40	29.70
1955	414.00	69.50	84.90	95.30	94.20	113.00	86.40	47.30	45.10	33.50	52.80	34.70
1956	62.70	66.30	56.70	41.80	103.00	94.80	104.00	107.00	35.80	28.50	25.00	22.70
1957	25.70	29.40	34.50	40.20	47.60	56.40	145.00	68.90	37.40	33.80	50.60	29.20
1958	57.10	90.50	105.00	60.10	89.00	91.90	45.30	33.50	58.90	34.10	40.90	23.50
1959	25.90	33.20	26.30	31.10	170.00	137.00	134.00	69.70	38.20	91.70	32.10	31.50
1960	100.00	115.00	90.40	128.00	171.00	99.10	112.00	58.50	91.20	39.10	49.00	31.30
1961	32.60	36.20	33.40	35.10	49.60	106.00	185.00	62.60	44.20	40.70	50.40	107.00
1962	65.80	74.00	56.30	75.30	86.40	190.00	65.80	57.40	37.90	34.30	26.30	22.80
1963	37.90	42.60	40.60	35.20	45.60	118.00	44.60	65.60	29.70	56.70	25.70	23.20
1964	22.30	27.70	24.50	31.40	30.90	52.90	88.30	34.50	29.80	36.20	23.10	37.00
1965	28.90	37.20	52.20	107.00	75.90	145.00	125.00	52.50	25.60	24.00	24.10	103.00
1966	79.60	41.70	186.00	63.20	83.10	98.90	126.00	146.00	36.80	31.70	31.60	23.60
1967	29.60	63.80	131.00	52.50	109.00	172.00	125.00	73.00	51.50	33.00	32.00	32.40
1968	63.90	112.00	131.00	102.00	166.00	92.20	91.80	49.10	62.20	35.40	31.10	33.50
1969	37.70	69.70	113.00	120.00	68.70	82.50	122.00	83.90	78.30	59.00	30.20	28.20
1970	50.80	61.90	41.60	48.80	72.10	84.30	218.00	130.00	66.30	53.50	32.40	45.60
1971	61.30	75.70	61.80	37.30	149.00	103.00	49.90	59.70	49.40	38.80	29.20	42.40
1972	30.00	30.60	99.50	81.60	51.10	119.00	84.40	78.30	31.30	34.20	36.60	143.00
1973	103.00	195.00	178.00	154.00	94.30	126.00	204.00	102.00	165.00	48.30	34.10	32.30
1974	44.60	42.90	65.80	125.00	97.70	99.00	110.00	107.00	58.70	35.70	29.60	35.40
1975	40.80	51.60	56.10	134.00	99.10	87.20	161.00	87.50	143.00	37.60	44.40	36.10
1976	39.20	45.10	78.70	43.00	175.00	217.00	104.00	129.00	44.90	39.90	34.60	29.90
1977	36.10	42.90	35.90	27.00	77.80	142.00	64.90	37.80	35.60	39.80	27.90	71.80
1978	48.00	69.10	115.00	50.50	50.10	204.00	151.00	135.00	44.40	42.60	32.10	28.30
1979	37.00	47.30	57.50	63.60	67.10	257.00	154.00	74.10	42.70	31.60	42.70	29.70
1980	34.40	54.00	77.30	48.50	59.10	110.00	106.00	42.70	103.00	27.90	75.50	78.30
1981	38.90	41.80	74.20	45.20	119.00	55.00	180.00	122.00	189.00	190.00	54.50	92.30
1982	76.50	144.00	71.00	105.00	96.70	319.00	135.00	99.10	71.00	61.90	55.60	39.70
1983	37.40	86.20	166.00	67.90	101.00	109.00	182.00	162.00	51.30	96.30	40.20	38.50
1984	45.10	67.80	77.50	47.40	127.00	153.00	123.00	132.00	71.90	40.00	30.50	34.70
1985	40.90	61.20	83.30	84.00	171.00	152.00	88.10	41.40	37.10	32.70	41.10	38.20

04094000 LITTLE CALUMET RIVER AT PORTER, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
30.60	38.80	43.40	42.10	66.00	88.40
FIFTIETH PERCENTILE					
38.40	47.60	63.80	63.40	91.60	110.00
SEVENTY FIFTH PERCENTILE					
60.20	69.60	97.20	107.00	118.00	152.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
84.90	53.70	37.50	33.10	28.20	28.30
FIFTIETH PERCENTILE					
117.00	73.50	47.50	36.90	32.20	32.90
SEVENTY FIFTH PERCENTILE					
153.00	118.00	71.70	52.00	44.00	39.40

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04094500 SALT CREEK NEAR MCCOOL, IN

LOCATION.--Lat 41°35'48", long 87°08'40", in SE¼SE¼ sec.6, T.36 N., R.6 W., Porter County, Hydrologic Unit 04040001, on left bank on downstream side of highway bridge, 50 ft downstream from Conrail Railroad bridge, 1.2 mi north of McCool, and 1.5 mi upstream from Little Calumet River.

DRAINAGE AREA.--74.6 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1945 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 594.10 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to July 25, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--40 years, 75.4 ft<sup>3</sup>/s, 13.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,180 ft<sup>3</sup>/s Oct. 11, 1954, gage height, 14.12 ft; minimum daily, 14 ft<sup>3</sup>/s Sept. 8, 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1946				25	51	54	60	43	29	17	18	14	10	11	6	6	5	2	2	1	2	5	1	1	1		1								
1947		1	10	48	43	58	48	26	31	14	11	9	15	11	8	5	4	5	6	3	1	4		1	1	1	1	1	1						
1948			61	47	49	44	41	22	20	25	7	9	11	3	4	2	5	2		3	3	1	1	1	1	1	3	1					1		
1949		9	44	59	70	29	39	26	24	15	11	9	6	7	3	2	1	3	4	1	2	1													
1950				9	75	40	31	31	24	16	29	12	14	17	10	12	6	5	7	6	5	3	7	2	2	1					1				
1951					2	34	96	34	38	38	24	22	6	19	7	10	7	3	5	5	5	6	1		2				1						
1952				8	48	43	22	23	41	41	46	21	16	12	11	7	4	3	7	5	2	2		3	1										
1953		13	38	52	50	62	45	32	21	19	11	3	3	3	5	2			4																
1954		10	49	65	53	53	19	22	23	18	11	4	12	3	4	3	4	1	1	5	1	1		2	1										
1955			26	21	56	29	36	45	31	21	30	6	16	4	10	7	5	5	3	3	3	3	3	1		1				1	1				1
1956				30	37	37	78	42	38	35	11	13	7	11	5	4	1	5	2		1	2	3	1	1	1	1	1							
1957			45	68	47	42	39	31	33	17	9	7	9	3	2	3	2	2		1	2			2	1										
1958			24	49	34	39	25	70	41	16	15	16	5	3	4	9	3	4	3	3	1	1													
1959			8	88	73	34	19	24	27	19	12	12	5	5	8	5		4	2	5	6	2	1	2	2	2			2						
1960				32	37	23	28	34	53	51	25	18	13	9	10	4	4	6	3	4	3	2	3	2	3	2	2								
1961				1	67	97	41	32	34	26	11	11	6	12	3	6	2	1	2	2	3	2	3	1	2										
1962			13	76	37	16	21	51	44	27	22	11	14	7	6	4	3	2	4	3	2	2													
1963			19	53	34	63	86	35	24	12	4	11	4	5	3	5	2	2	1	2															
1964		25	45	35	61	58	31	32	15	21	8	9	5	4	7	3	1	2	3	1															
1965			3	98	45	45	26	19	15	15	13	12	10	16	11	7	5	6	4	5	3	1	4			2									
1966				48	38	23	49	43	39	26	18	21	7	8	2	11	8	7	5	5	2		1		2				1			1			
1967			11	56	38	50	30	31	36	17	22	9	19	10	8	7	7	4	1	4	1	4	1	2	1	1									
1968				2	58	42	60	31	31	37	23	19	10	12	7	7	8	4	3	2	2	4		1	1		1					1			
1969			15	38	27	35	55	61	24	13	19	7	16	13	7	5	7	13	3	2	2	2	1												
1970				12	43	61	56	47	27	21	23	12	12	8	14	6	3	5	4			4	1	4	1				1						
1971					19	66	43	52	37	28	34	22	10	12	8	6	8	7	3	4	1	2	1	1				1							
1972			4	30	83	39	36	21	31	26	20	21	13	10	6	4	7	2	3	3	2	2	1		2										
1973				20	30	14	16	21	27	24	23	28	33	44	17	15	7	14	11	7	1	6	3		2				1	1					
1974				9	62	49	45	41	27	18	23	13	20	12	6	10	7	9	2	5	2	2	1	1	1										
1975				1	31	41	40	49	37	36	31	19	22	16	9	8	8	4	3			4	1		4						1				
1976				34	54	58	39	32	25	30	26	9	10	7	6	4	2	4	5	9	1	1	3	1	3	2						1			
1977		2	48	52	47	71	35	29	13	15	11	8	10	10	3	4	2	1	3			1													
1978			24	40	61	65	42	27	29	14	11	4	11	7	7	7	2	5	5			2		2											
1979			19	10	58	79	57	26	15	12	6	5	15	14	9	8	7	5	4	3	6	2	2		1				1	1					
1980				19	59	74	60	40	19	12	19	9	14	7	7	6	4	5	4	2	1	2	2		1										
1981					1	65	75	33	66	32	13	12	11	4	6	7	8	5			5	3	3	6	4	1	1	2			1				1
1982					6	39	18	33	78	48	26	14	18	26	5	9	11	10	7	3	5	2		4	1						2				
1983					5	59	37	23	46	62	39	18	12	11	12	8	4	6	1	6	5	2	1	2	2	1					2			1	
1984					1	20	38	31	83	61	46	15	19	9	4	12	8	3	2	2	2	8	1	1											
1985					14	45	41	36	43	68	26	17	18	15	8	6	3	5	4	1	3	4	2	2	1	1	1				1				

## 04094500 SALT CREEK NEAR MCCOOL, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14610	100.00	12	76.0	777	3574	24.46	24	480.0	49	167	1.14
1	14.0	25	14610	100.00	13	89.0	440	2797	19.14	25	560.0	46	118	0.81
2	16.0	45	14585	99.83	14	100.0	523	2357	16.13	26	660.0	30	72	0.49
3	19.0	92	14540	99.52	15	120.0	370	1834	12.55	27	770.0	10	42	0.29
4	22.0	755	14448	98.89	16	140.0	282	1464	10.02	28	890.0	11	32	0.22
5	26.0	1296	13693	93.72	17	160.0	238	1182	8.09	29	1000.0	9	21	0.14
6	30.0	1800	12397	84.85	18	190.0	182	944	6.46	30	1200.0	7	12	0.08
7	35.0	1929	10597	72.53	19	220.0	174	762	5.22	31	1400.0	1	5	0.03
8	41.0	1508	8668	59.33	20	260.0	130	588	4.02	32	1700.0	2	4	0.03
9	48.0	1324	7160	49.01	21	300.0	113	458	3.13	33	1900.0	1	2	0.01
10	56.0	1275	5836	39.95	22	350.0	98	345	2.36	34	2300.0	1	1	0.01
11	65.0	987	4561	31.22	23	410.0	80	247	1.69					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	25.0
P90 =	27.7
P75 =	34.0
P70 =	36.2
P50 =	47.3
P25 =	75.1
P10 =	140.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1947	20.00 5	22.00 13	23.00 9	24.00 12	26.00 12	29.00 12	34.00 20	35.00 14	41.00 17
1948	23.00 15	23.00 14	23.00 10	25.00 19	27.00 17	33.00 24	36.00 24	36.00 18	43.00 20
1949	22.00 10	23.00 15	23.00 11	23.00 8	24.00 9	24.00 3	25.00 3	26.00 3	29.00 4
1950	20.00 6	20.00 4	20.00 3	21.00 3	22.00 2	24.00 4	27.00 8	29.00 7	33.00 8
1951	28.00 31	28.00 29	29.00 30	30.00 29	33.00 32	34.00 27	36.00 25	37.00 19	46.00 23
1952	30.00 35	31.00 35	32.00 35	35.00 36	37.00 36	52.00 38	58.00 38	57.00 38	71.00 38
1953	25.00 23	26.00 25	26.00 23	27.00 26	28.00 18	29.00 13	31.00 11	32.00 10	35.00 12
1954	19.00 2	20.00 5	20.00 4	21.00 4	23.00 5	24.00 5	25.00 4	26.00 4	29.00 5
1955	21.00 7	22.00 6	24.00 17	25.00 20	26.00 13	33.00 25	45.00 33	44.00 30	61.00 34
1956	22.00 11	22.00 7	23.00 12	24.00 13	28.00 19	32.00 20	36.00 26	38.00 23	42.00 18
1957	22.00 12	22.00 8	23.00 13	23.00 9	23.00 6	24.00 6	25.00 5	26.00 5	28.00 3
1958	23.00 16	23.00 16	23.00 14	24.00 10	24.00 7	29.00 14	35.00 21	46.00 31	54.00 28
1959	24.00 17	25.00 20	25.00 18	26.00 21	28.00 20	29.00 15	31.00 12	32.00 11	37.00 13
1960	24.00 18	24.00 17	25.00 19	25.00 14	26.00 14	34.00 28	54.00 37	55.00 37	64.00 36
1961	28.00 32	28.00 30	29.00 31	29.00 27	30.00 27	31.00 18	33.00 15	33.00 12	34.00 9
1962	24.00 19	25.00 21	26.00 24	27.00 22	28.00 21	38.00 33	38.00 28	39.00 24	56.00 31
1963	25.00 24	25.00 22	25.00 20	25.00 15	26.00 15	27.00 10	28.00 9	29.00 8	32.00 6
1964	19.00 3	19.00 2	19.00 2	20.00 2	22.00 3	22.00 2	23.00 2	24.00 2	27.00 2
1965	14.00 1	15.00 1	15.00 1	15.00 1	16.00 1	16.00 1	18.00 1	19.00 1	24.00 1
1966	20.00 4	20.00 3	21.00 5	22.00 5	24.00 8	25.00 7	26.00 6	31.00 9	49.00 24
1967	22.00 13	22.00 9	22.00 6	22.00 6	23.00 4	25.00 8	27.00 7	28.00 6	33.00 7
1968	26.00 25	26.00 26	27.00 25	27.00 23	29.00 24	30.00 16	33.00 16	37.00 20	49.00 25
1969	29.00 33	29.00 33	31.00 34	32.00 33	33.00 33	36.00 31	43.00 31	47.00 32	54.00 29
1970	24.00 20	24.00 18	25.00 21	25.00 16	26.00 16	27.00 9	31.00 10	35.00 15	41.00 14
1971	29.00 34	29.00 34	30.00 32	32.00 34	34.00 34	41.00 35	44.00 32	53.00 36	61.00 32
1972	27.00 29	27.00 27	28.00 29	31.00 32	32.00 30	33.00 26	37.00 27	41.00 27	41.00 15
1973	24.00 21	25.00 23	26.00 22	27.00 24	31.00 28	32.00 21	34.00 17	39.00 25	71.00 37
1974	26.00 26	26.00 24	27.00 26	27.00 25	29.00 25	32.00 22	34.00 18	37.00 21	42.00 19
1975	28.00 30	28.00 31	28.00 27	30.00 30	33.00 31	35.00 29	36.00 22	37.00 22	45.00 21
1976	27.00 27	29.00 32	30.00 33	31.00 31	32.00 29	39.00 34	42.00 30	43.00 28	53.00 26
1977	22.00 14	22.00 10	23.00 15	24.00 11	25.00 10	28.00 11	32.00 13	35.00 16	35.00 10
1978	21.00 8	22.00 11	22.00 7	23.00 7	26.00 11	31.00 19	34.00 19	35.00 17	45.00 22
1979	22.00 9	22.00 12	23.00 8	25.00 17	28.00 22	30.00 17	32.00 14	33.00 13	35.00 11
1980	24.00 22	24.00 19	24.00 16	25.00 18	28.00 23	33.00 23	36.00 23	39.00 26	41.00 16
1981	27.00 28	27.00 28	28.00 28	29.00 28	30.00 26	36.00 30	47.00 35	50.00 33	55.00 30
1982	39.00 39	39.00 39	40.00 39	45.00 39	52.00 39	71.00 39	76.00 39	85.00 39	91.00 39
1983	34.00 36	34.00 36	34.00 36	35.00 35	36.00 35	37.00 32	39.00 29	43.00 29	53.00 27
1984	34.00 37	35.00 37	36.00 37	36.00 37	38.00 37	42.00 36	47.00 36	52.00 35	63.00 35
1985	34.00 38	35.00 38	37.00 38	38.00 38	40.00 38	43.00 37	46.00 34	51.00 34	61.00 33

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04094500 SALT CREEK NEAR MCCOOL, IN--Continued

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1946	793.00 19	517.00 26	331.00 29	243.00 22	151.00 32	98.00 36	102.00 33	88.00 33	88.00 28
1947	1030.00 13	784.00 11	452.00 11	296.00 13	262.00 6	202.00 7	177.00 7	145.00 11	116.00 15
1948	1850.00 3	1030.00 6	596.00 9	343.00 8	199.00 16	162.00 14	168.00 10	138.00 14	108.00 19
1949	425.00 36	397.00 34	269.00 34	186.00 35	133.00 35	105.00 34	96.00 34	86.00 35	73.00 36
1950	1280.00 9	759.00 12	426.00 15	291.00 14	222.00 12	208.00 5	187.00 5	184.00 1	165.00 1
1951	895.00 17	619.00 18	350.00 25	207.00 31	160.00 29	149.00 19	143.00 16	126.00 19	108.00 20
1952	750.00 21	580.00 21	364.00 21	230.00 24	169.00 26	133.00 29	132.00 21	122.00 20	119.00 13
1953	358.00 37	291.00 36	217.00 37	143.00 37	110.00 38	88.00 38	77.00 38	75.00 37	64.00 37
1954	700.00 25	531.00 25	299.00 30	195.00 34	160.00 30	136.00 26	117.00 25	98.00 29	84.00 31
1955	2740.00 1	1740.00 1	1010.00 1	592.00 1	345.00 1	202.00 8	163.00 12	146.00 9	129.00 8
1956	847.00 18	671.00 14	429.00 14	333.00 10	212.00 14	131.00 30	128.00 22	111.00 24	87.00 29
1957	605.00 29	513.00 27	355.00 24	213.00 28	151.00 33	110.00 33	93.00 35	88.00 34	76.00 35
1958	426.00 35	289.00 37	227.00 36	155.00 36	112.00 37	97.00 37	88.00 36	84.00 36	77.00 33
1959	970.00 15	658.00 16	452.00 12	337.00 9	255.00 7	186.00 12	165.00 11	139.00 12	117.00 14
1960	740.00 23	547.00 24	369.00 20	229.00 25	177.00 24	140.00 23	135.00 18	128.00 18	115.00 16
1961	628.00 27	505.00 28	411.00 17	288.00 15	179.00 22	137.00 25	112.00 29	95.00 30	77.00 34
1962	474.00 34	391.00 35	295.00 32	272.00 18	192.00 18	138.00 24	118.00 24	105.00 25	92.00 27
1963	270.00 39	223.00 39	181.00 38	140.00 38	101.00 39	73.00 40	68.00 39	61.00 39	56.00 39
1964	266.00 40	210.00 40	137.00 40	104.00 40	92.00 40	77.00 39	65.00 40	58.00 40	48.00 40
1965	590.00 30	446.00 32	275.00 33	196.00 33	160.00 31	154.00 16	127.00 23	118.00 21	94.00 25
1966	1350.00 6	911.00 9	514.00 10	304.00 12	189.00 21	125.00 32	116.00 26	104.00 26	106.00 22
1967	610.00 28	489.00 29	296.00 31	227.00 26	190.00 20	152.00 17	133.00 20	114.00 22	102.00 23
1968	1620.00 5	1040.00 4	734.00 2	432.00 5	243.00 8	167.00 13	139.00 17	130.00 17	113.00 17
1969	496.00 33	400.00 33	255.00 35	210.00 30	169.00 27	134.00 27	113.00 27	114.00 23	107.00 21
1970	900.00 16	637.00 17	425.00 16	280.00 16	220.00 13	197.00 10	160.00 13	137.00 15	110.00 18
1971	780.00 20	592.00 20	337.00 28	211.00 29	191.00 19	145.00 20	112.00 28	99.00 28	95.00 24
1972	716.00 24	567.00 22	339.00 27	204.00 32	139.00 34	128.00 31	107.00 32	94.00 31	93.00 26
1973	1110.00 11	704.00 13	449.00 13	279.00 17	225.00 11	199.00 9	176.00 8	163.00 8	161.00 2
1974	743.00 22	607.00 19	398.00 18	267.00 20	161.00 28	160.00 15	149.00 15	138.00 13	120.00 11
1975	1030.00 14	660.00 15	379.00 19	239.00 23	177.00 23	141.00 21	134.00 19	137.00 16	125.00 9
1976	1270.00 10	904.00 10	643.00 7	450.00 4	341.00 2	215.00 4	202.00 2	167.00 6	133.00 7
1977	350.00 38	264.00 38	181.00 39	138.00 39	124.00 36	100.00 35	82.00 37	70.00 38	58.00 38
1978	522.00 32	456.00 31	356.00 23	271.00 19	208.00 15	133.00 28	108.00 31	90.00 32	82.00 32
1979	1310.00 7	1030.00 5	668.00 6	407.00 6	303.00 4	254.00 1	204.00 1	165.00 7	124.00 10
1980	698.00 26	558.00 23	344.00 26	226.00 27	193.00 17	141.00 22	109.00 30	100.00 27	85.00 30
1981	2250.00 2	1280.00 2	716.00 4	375.00 7	231.00 10	194.00 11	198.00 3	184.00 2	154.00 3
1982	1050.00 12	917.00 8	727.00 3	490.00 2	324.00 3	246.00 2	191.00 4	172.00 4	147.00 4
1983	1820.00 4	1200.00 3	634.00 8	331.00 11	233.00 9	203.00 6	171.00 9	169.00 5	138.00 6
1984	566.00 31	475.00 30	357.00 22	261.00 21	172.00 25	150.00 18	155.00 14	145.00 10	119.00 12
1985	1290.00 8	1010.00 7	672.00 5	485.00 3	300.00 5	237.00 3	181.00 6	173.00 3	141.00 5

ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1947	56.00 8
1948	89.00 29
1949	62.00 14
1950	79.00 23
1951	85.00 28
1952	100.00 35
1953	57.00 9
1954	48.00 3
1955	95.00 32
1956	55.00 6
1957	52.00 4
1958	72.00 19
1959	66.00 15
1960	90.00 30
1961	55.00 7
1962	82.00 26
1963	44.00 2
1964	38.00 1
1965	53.00 5
1966	73.00 20
1967	71.00 18
1968	84.00 27
1969	74.00 21
1970	61.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1946	64.00 29
1947	78.00 18
1948	70.00 26
1949	53.00 36
1950	105.00 4
1951	82.00 15
1952	87.00 11
1953	47.00 38
1954	58.00 34
1955	88.00 8
1956	64.00 30
1957	54.00 35
1958	62.00 31
1959	76.00 19
1960	86.00 12
1961	61.00 32
1962	65.00 28
1963	44.00 39
1964	36.00 40
1965	66.00 27
1966	73.00 22
1967	71.00 23
1968	85.00 13
1969	74.00 20



04094500 SALT CREEK NEAR MCCOOL, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	97.00	33
1972	59.00	10
1973	109.00	37
1974	94.00	31
1975	80.00	24
1976	98.00	34
1977	61.00	13
1978	60.00	11
1979	68.00	16
1980	74.00	22
1981	68.00	17
1982	141.00	39
1983	82.00	25
1984	106.00	36
1985	110.00	38

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	79.00	17
1971	71.00	24
1972	73.00	21
1973	121.00	1
1974	82.00	16
1975	88.00	9
1976	87.00	10
1977	51.00	37
1978	61.00	33
1979	83.00	14
1980	70.00	25
1981	107.00	2
1982	106.00	3
1983	104.00	5
1984	91.00	7
1985	96.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	44.20	41.00	41.90	110.00	76.10	114.00	43.40	41.40	143.00	35.60	48.60	28.90
1947	30.50	46.30	59.60	74.80	36.90	84.10	247.00	126.00	115.00	34.50	34.10	43.20
1948	35.70	48.30	59.90	45.20	152.00	138.00	60.40	194.00	35.80	28.40	24.30	24.80
1949	28.50	35.50	41.30	77.40	123.00	77.30	66.40	58.30	30.70	48.20	23.00	28.70
1950	34.30	35.50	140.00	170.00	107.00	202.00	211.00	58.70	160.00	70.50	35.50	34.90
1951	38.70	42.20	55.10	101.00	123.00	91.90	152.00	132.00	50.60	70.00	64.50	63.90
1952	92.90	151.00	66.40	164.00	77.90	115.00	126.00	65.00	88.30	36.90	34.80	31.00
1953	28.80	36.80	43.90	46.70	53.40	99.90	61.70	65.10	53.40	28.50	26.00	24.20
1954	26.50	29.30	38.40	37.00	67.30	122.00	149.00	49.10	40.70	66.80	40.60	27.80
1955	335.00	58.80	73.80	103.00	88.40	107.00	82.00	43.60	45.40	35.60	43.50	31.30
1956	55.90	58.50	42.90	37.10	107.00	77.30	113.00	143.00	36.30	41.60	29.50	25.00
1957	24.10	27.70	31.70	40.40	51.60	55.70	147.00	70.40	53.20	72.90	47.80	28.00
1958	59.30	89.40	93.30	55.60	81.60	70.20	45.90	29.90	91.10	37.20	65.50	30.20
1959	28.60	39.00	31.80	37.90	238.00	128.00	127.00	69.70	40.00	112.00	36.50	36.10
1960	91.00	104.00	76.50	123.00	153.00	111.00	118.00	61.10	84.20	45.20	40.10	31.40
1961	30.70	38.10	32.70	36.70	47.20	99.30	171.00	52.60	43.90	34.30	44.70	102.00
1962	62.50	76.30	58.00	75.50	86.00	183.00	65.80	55.80	35.30	30.20	26.50	27.10
1963	35.90	40.40	33.40	36.50	45.20	96.30	42.60	54.20	34.40	60.70	25.00	22.00
1964	23.50	28.00	26.10	38.20	32.70	64.90	90.00	35.70	22.90	18.60	16.50	37.60
1965	22.90	28.70	40.60	98.30	64.30	158.00	147.00	53.60	28.20	24.30	29.70	98.80
1966	74.20	40.50	164.00	56.70	67.20	97.10	107.00	138.00	41.70	28.60	29.60	23.50
1967	28.40	60.50	108.00	45.10	80.50	160.00	134.00	75.00	55.40	36.60	30.00	35.10
1968	69.20	98.50	110.00	91.30	195.00	81.40	92.70	48.90	79.60	60.80	61.30	39.30
1969	38.10	75.00	114.00	121.00	67.60	88.60	134.00	89.50	63.60	46.90	27.40	27.30
1970	53.30	59.10	42.80	52.60	64.50	76.60	212.00	166.00	87.30	43.90	40.30	52.00
1971	90.40	88.80	63.60	38.00	196.00	99.20	48.80	57.80	44.50	41.60	35.60	60.00
1972	33.30	34.70	107.00	82.90	48.30	114.00	103.00	96.70	34.30	32.60	46.30	137.00
1973	107.00	191.00	170.00	150.00	103.00	138.00	210.00	106.00	167.00	45.50	35.00	29.40
1974	39.20	47.30	76.50	149.00	108.00	119.00	122.00	144.00	60.20	43.00	35.40	37.00
1975	39.00	62.50	61.00	145.00	117.00	100.00	173.00	85.60	137.00	47.40	47.80	40.20
1976	41.30	52.50	100.00	36.00	189.00	228.00	114.00	128.00	48.60	45.40	36.50	32.60
1977	40.50	43.20	34.40	25.80	59.80	119.00	60.80	37.60	33.70	37.90	32.60	85.60
1978	45.80	65.10	95.80	37.20	34.90	156.00	98.30	64.40	34.60	37.40	30.80	28.80
1979	39.30	45.10	46.80	48.60	51.60	289.00	210.00	90.60	47.30	34.30	56.90	29.80
1980	35.70	62.40	73.10	45.00	60.40	143.00	116.00	40.50	72.50	31.00	83.00	73.50
1981	40.70	42.60	90.00	41.90	131.00	65.10	228.00	142.00	219.00	136.00	58.40	91.10
1982	78.80	133.00	70.50	113.00	118.00	304.00	142.00	98.30	74.90	61.00	42.90	37.00
1983	37.50	75.70	158.00	69.90	92.30	101.00	182.00	197.00	55.70	187.00	43.50	44.40
1984	63.20	82.30	91.00	57.00	115.00	154.00	132.00	163.00	91.40	55.70	41.50	47.50
1985	60.80	81.10	105.00	121.00	219.00	205.00	124.00	54.00	45.40	40.30	55.40	55.60

STREAMS TRIBUTARY TO LAKE MICHIGAN  
 04094500 SALT CREEK NEAR MCCOOL, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
31.30	39.30	42.10	38.70	59.90	89.40
FIFTIETH PERCENTILE					
39.20	50.40	65.00	56.80	83.80	113.00
SEVENTY FIFTH PERCENTILE					
62.10	76.10	98.90	108.00	122.00	151.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
84.00	53.70	37.20	34.30	29.80	28.70
FIFTIETH PERCENTILE					
123.00	67.40	51.90	41.60	36.50	35.00
SEVENTY FIFTH PERCENTILE					
151.00	128.00	86.50	59.40	47.40	50.90

## 04095300 TRAIL CREEK AT MICHIGAN CITY, IN

LOCATION(revised).--Lat 41°43'00", long 86°51'34", in NE¼SE¼ sec.27, T.38 N., R.4 W., LaPorte County, Hydrologic Unit 04040001, on right upstream side of bridge on Springland Avenue in Michigan City, 1.0 mi upstream from Otter Creek, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--54.1 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 584.02 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 72.9 ft<sup>3</sup>/s, 18.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,200 ft<sup>3</sup>/s Feb. 23, 1985, gage height, 11.69 ft; minimum daily, 20 ft<sup>3</sup>/s Aug. 1, 1977.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1970			5	13	32	44	30	55	62	28	23	20	13	10	5	5	6	1	2	3	2	1	1	2	1	1										
1971		2	8	23	35	56	54	50	39	26	18	13	7	8	5	11	3	4	1			1					1									
1972		1	18	37	66	34	19	39	32	28	28	20	15	2	9	3	1	3	4	2	2	1			2											
1973			9	29	24	11	10	12	24	31	51	36	43	21	15	15	6	7	1	6	6	1	1		3	1				2						
1974			20	31	62	25	19	32	38	34	27	17	23	6	7	5	3	3	5	2	1	1	1	1	2				1							
1975			12	47	44	26	42	55	30	23	15	21	7	13	10	6	3			3	1	2	2		1	1	1									
1976		2	13	27	41	58	47	33	32	20	20	15	15	7	5	8	1	4	4	3	1	1	1	1	3				3	1						
1977	6	11	19	35	63	63	44	31	25	17	10	8	17	2	7	4	1		1		1															
1978			17	19	45	60	66	37	25	19	13	17	7	8	9	6	3	4	1	3	1	2	2					1								
1979			32	34	50	63	41	30	19	15	14	21	9	12	6	3	4	4	3	3												1			1	
1980		1	31	38	41	43	39	41	35	21	23	17	9	8	3	5	2	1	3	2	1	3	2	1		2										
1981			5	26	52	52	54	36	32	22	12	17	6	8	7	7	2	5	5	5	2	3	2	1	2	1		2	1				1			
1982			5	25	15	34	50	46	57	28	10	25	12	15	9	5	6	5	4		1	4	2	2	1	1	2	1	1		2			1		
1983				63	38	21	18	24	34	38	37	24	13	16	11	5	1	6	4	2	1		3					5				1				
1984		1	27	36	59	36	32	26	37	29	15	19	6	12	3	10	2	3	2	3	2	3	1	2	2				2		1					
1985			26	56	35	49	56	34	23	14	17	15	6	7	5	5	2			3	1	4			3	1	1							1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	82.0	272	1308	22.38	24	380.0	17	69	1.18
1	20.0	8	5844	100.00	13	93.0	307	1036	17.73	25	430.0	17	52	0.89
2	23.0	27	5836	99.86	14	110.0	123	729	12.47	26	490.0	9	35	0.60
3	26.0	117	5809	99.40	15	120.0	158	606	10.37	27	560.0	7	26	0.44
4	29.0	381	5692	97.40	16	140.0	107	448	7.67	28	640.0	6	19	0.33
5	33.0	700	5311	90.88	17	160.0	69	341	5.84	29	730.0	6	13	0.22
6	38.0	654	4611	78.90	18	180.0	45	272	4.65	30	830.0	2	7	0.12
7	43.0	628	3957	67.71	19	200.0	46	227	3.88	31	940.0	1	5	0.09
8	49.0	646	3329	56.96	20	230.0	43	181	3.10	32	1100.0	1	4	0.07
9	56.0	534	2683	45.91	21	260.0	33	138	2.36	33	1200.0	2	3	0.05
10	63.0	463	2149	36.77	22	300.0	18	105	1.80	34	1400.0	1	1	0.02
11	72.0	378	1686	28.85	23	340.0	18	87	1.49					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 30.5  
P90 = 33.4  
P75 = 39.7  
P70 = 42.0  
P50 = 53.4  
P25 = 78.0  
P10 = 123.0

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04095300 TRAIL CREEK AT MICHIGAN CITY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	23.00 3	24.00 3	25.00 3	27.00 3	28.00 2	33.00 4	37.00 9	40.00 8	47.00 8
1972	21.00 2	23.00 2	23.00 2	26.00 2	28.00 3	30.00 1	31.00 1	33.00 1	35.00 1
1973	25.00 4	26.00 5	27.00 5	29.00 7	33.00 8	35.00 9	35.00 6	38.00 6	55.00 14
1974	26.00 6	26.00 6	27.00 6	28.00 4	30.00 5	33.00 5	34.00 2	36.00 4	41.00 3
1975	27.00 7	27.00 7	28.00 7	28.00 5	31.00 6	33.00 6	34.00 3	35.00 2	42.00 4
1976	32.00 14	32.00 14	32.00 12	33.00 12	36.00 12	38.00 11	40.00 10	40.00 9	46.00 7
1977	25.00 5	25.00 4	26.00 4	28.00 6	29.00 4	32.00 3	35.00 4	37.00 5	39.00 2
1978	20.00 1	21.00 1	22.00 1	24.00 1	27.00 1	31.00 2	35.00 5	36.00 3	42.00 5
1979	29.00 10	30.00 10	31.00 10	33.00 13	37.00 13	39.00 12	41.00 11	42.00 11	48.00 9
1980	30.00 11	31.00 11	32.00 11	32.00 9	33.00 9	34.00 7	37.00 7	39.00 7	42.00 6
1981	28.00 8	29.00 8	30.00 9	32.00 10	33.00 10	40.00 13	45.00 14	48.00 14	50.00 12
1982	41.00 15	42.00 15	44.00 15	46.00 15	56.00 15	65.00 15	74.00 15	75.00 15	85.00 15
1983	31.00 13	32.00 12	33.00 13	33.00 11	35.00 11	37.00 10	41.00 12	45.00 13	54.00 13
1984	30.00 12	32.00 13	33.00 14	34.00 14	38.00 14	40.00 14	41.00 13	42.00 12	49.00 10
1985	28.00 9	29.00 9	29.00 8	30.00 8	32.00 7	35.00 8	37.00 8	41.00 10	49.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	482.00 13	349.00 12	270.00 10	188.00 10	154.00 9	126.00 10	105.00 11	97.00 12	80.00 14
1971	464.00 14	298.00 15	177.00 15	123.00 15	107.00 15	94.00 15	78.00 16	74.00 15	70.00 15
1972	489.00 12	385.00 10	245.00 11	153.00 13	126.00 13	105.00 14	91.00 14	88.00 14	81.00 13
1973	788.00 8	505.00 7	320.00 8	210.00 8	166.00 7	148.00 7	135.00 7	126.00 6	125.00 1
1974	588.00 11	368.00 11	236.00 12	161.00 12	114.00 14	107.00 13	105.00 12	105.00 10	97.00 10
1975	606.00 10	346.00 13	216.00 13	165.00 11	134.00 11	122.00 11	114.00 10	113.00 9	103.00 8
1976	815.00 6	552.00 5	387.00 4	280.00 4	214.00 3	154.00 5	155.00 2	132.00 3	107.00 6
1977	268.00 16	176.00 16	129.00 16	107.00 16	100.00 16	91.00 16	80.00 15	70.00 16	61.00 16
1978	711.00 9	467.00 8	323.00 7	236.00 5	196.00 5	143.00 8	119.00 9	103.00 11	94.00 11
1979	1290.00 2	813.00 2	472.00 3	286.00 3	205.00 4	166.00 4	141.00 5	119.00 8	98.00 9
1980	412.00 15	299.00 14	196.00 14	145.00 14	131.00 12	108.00 12	95.00 13	90.00 13	82.00 12
1981	953.00 4	621.00 4	342.00 6	208.00 9	164.00 8	150.00 6	136.00 6	125.00 7	109.00 5
1982	1110.00 3	781.00 3	539.00 2	399.00 2	270.00 1	196.00 1	156.00 1	140.00 1	124.00 2
1983	851.00 5	538.00 6	347.00 5	235.00 6	192.00 6	173.00 3	144.00 4	130.00 4	123.00 3
1984	793.00 7	423.00 9	307.00 9	211.00 7	153.00 10	136.00 9	130.00 8	126.00 5	104.00 7
1985	1440.00 1	1100.00 1	611.00 1	408.00 1	252.00 2	190.00 2	146.00 3	138.00 2	111.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	68.00 6
1972	53.00 1
1973	85.00 13
1974	73.00 9
1975	70.00 7
1976	78.00 10
1977	61.00 2
1978	61.00 3
1979	73.00 8
1980	66.00 5
1981	62.00 4
1982	112.00 15
1983	79.00 11
1984	80.00 12
1985	90.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	62.00 14
1971	53.00 15
1972	63.00 13
1973	95.00 1
1974	68.00 11
1975	74.00 7
1976	74.00 8
1977	51.00 16
1978	72.00 9
1979	71.00 10
1980	66.00 12
1981	84.00 4
1982	92.00 2
1983	87.00 3
1984	76.00 6
1985	77.00 5

## 04095300 TRAIL CREEK AT MICHIGAN CITY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	*	*	*	*	*	*	*	*	92.60	49.50	32.80	28.60
1970	47.20	63.60	48.90	50.00	66.30	66.80	149.00	92.40	49.20	42.40	28.80	45.70
1971	53.80	72.20	62.20	39.60	107.00	81.40	47.10	46.80	33.70	28.90	31.50	41.00
1972	38.40	37.60	79.40	81.70	59.30	110.00	82.80	72.80	37.00	36.20	35.80	83.30
1973	87.00	137.00	142.00	118.00	86.10	107.00	155.00	89.90	105.00	44.70	33.10	33.40
1974	37.30	43.00	57.70	105.00	84.80	87.00	98.00	111.00	88.30	40.00	33.30	34.80
1975	36.10	51.00	56.80	103.00	96.40	95.60	128.00	104.00	93.00	40.80	43.10	41.00
1976	37.10	44.90	70.00	45.40	130.00	167.00	117.00	110.00	54.40	48.80	34.70	31.90
1977	38.50	46.70	44.20	38.70	70.50	96.80	62.80	46.50	38.90	32.50	32.80	59.80
1978	49.20	56.80	101.00	55.90	51.80	147.00	115.00	91.50	47.30	71.30	41.60	37.30
1979	43.10	48.90	63.30	59.10	57.40	201.00	127.00	80.30	49.50	34.80	51.90	33.40
1980	35.30	60.00	93.30	59.40	62.90	106.00	94.30	53.80	84.80	36.50	48.80	62.60
1981	46.50	43.30	72.20	44.90	100.00	56.80	135.00	133.00	137.00	89.20	69.70	88.60
1982	63.30	122.00	79.20	89.90	86.60	249.00	117.00	87.40	65.10	54.30	49.60	39.50
1983	37.20	85.80	145.00	69.10	93.30	105.00	172.00	147.00	55.30	50.90	41.10	41.50
1984	44.20	61.50	66.50	40.00	107.00	137.00	123.00	126.00	87.40	44.70	35.10	37.40
1985	46.20	58.70	84.20	96.80	189.00	156.00	93.20	49.30	41.60	39.50	41.20	36.20

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
37.20	45.30	58.80	45.00	63.70	89.10
FIFTIETH PERCENTILE					
43.60	57.70	71.10	59.20	86.30	107.00
SEVENTY FIFTH PERCENTILE					
48.70	70.00	91.00	95.10	105.00	154.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
93.50	58.50	44.40	36.30	32.90	34.10
FIFTIETH PERCENTILE					
117.00	90.70	55.30	42.40	35.80	39.50
SEVENTY FIFTH PERCENTILE					
133.00	111.00	90.40	50.20	45.90	52.70

## 04096100 GALENA RIVER NEAR LAPORTE, IN

LOCATION.--Lat 41°44'54", long 86°40'30", in SE¼NW¼ sec.17, T.38 N., R.2 W., LaPorte County, Hydrologic Unit 04040001, on left bank at downstream side of bridge on County Road 125 East, 1.3 mi upstream from Indiana-Michigan State line, and 9.8 mi north of Courthouse in LaPorte.

DRAINAGE AREA.--17.2 mi<sup>2</sup>, of which 2.30 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 625.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 25.5 ft<sup>3</sup>/s, 20.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 650 ft<sup>3</sup>/s Mar. 4, 1979, gage height, 7.02 ft; minimum daily, 6.7 ft<sup>3</sup>/s Sept. 13, 1973.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
1970		4	6	9	21	21	28	19	19	33	43	34	NUMBER OF DAYS IN CLASS										3	6	2	3		4	1	1		1						
1971			1	18	22	11	34	49	50	30	25	30	32	15	9	12	5	13	5		1	1		1						1								
1972		2	8	19	12	24	30	32	23	21	40	54	23	24	16	15	2	7	6	2	3	1				1						1						
1973		4	2	5	14	13	10	19	12	20	13	27	48	26	46	39	20	14	9	3	5	4	3	2	1	2					3		1					
1974		6	18	20	12	12	18	30	39	16	21	34	42	28	18	16	9	6	4	5	5		2	2	1			1										
1975			5	7	18	30	30	36	20	29	46	51	26	19	20	11	2	3	4			2	2	2	1	1												
1976			6	11	23	5	33	40	47	38	35	28	31	16	9	9	10	3	7	1	3	2	2	2	3	1				1								
1977			7	20	24	36	13	67	52	31	31	21	14	15	18	5	3	2	3	1		2																
1978			5	11	31	28	36	42	46	63	23	11	10	10	7	9	13	7	2	2	2	2	3	2	1				1									
1979			10	31	35	29	44	35	32	32	29	8	16	18	9	12	6	4	6	2	4	1						1							1			
1980				16	44	46	56	39	25	32	23	24	12	17	8	5	6	3	3	3	3	1	2				1											
1981						16	37	55	72	40	42	21	15	12	8	11	7	6	5	3	3	5		2			1	2					2					
1982				11	18	13	16	37	43	59	41	23	16	16	19	13	17	3	3	2	1	5	3	3					2						1			
1983			11	34	29	27	20	23	29	41	41	25	18	17	14	12	4	5	4	2	2	2			2	1	1	1										
1984			3	16	40	23	25	31	40	61	33	14	9	21	14	12	6	4	4	2	2	3			2	1												
1985				4	58	55	46	26	30	30	32	17	14	8	10	7	8	5	1	3	2	2			2	1	1	1			1		1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	25.0	544	2023	34.62	24	110.0	14	57	0.98
1	6.7	14	5844	100.00	13	29.0	299	1479	25.31	25	120.0	12	43	0.74
2	7.6	35	5830	99.76	14	32.0	263	1180	20.19	26	140.0	5	31	0.53
3	8.5	83	5795	99.16	15	36.0	262	917	15.69	27	150.0	9	26	0.44
4	9.6	178	5712	97.74	16	41.0	176	655	11.21	28	170.0	6	17	0.29
5	11.0	246	5534	94.70	17	46.0	127	479	8.20	29	200.0	3	11	0.19
6	12.0	479	5288	90.49	18	52.0	95	352	6.02	30	220.0	1	8	0.14
7	14.0	491	4809	82.29	19	59.0	60	257	4.40	31	250.0	4	7	0.12
8	16.0	621	4318	73.89	20	66.0	45	197	3.37	32	280.0	0	3	0.05
9	18.0	543	3697	63.26	21	75.0	30	152	2.60	33	320.0	2	3	0.05
10	20.0	519	3154	53.97	22	84.0	39	122	2.09	34	360.0	1	1	0.02
11	22.0	612	2635	45.09	23	95.0	26	83	1.42					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 10.9  
P90 = 12.1  
P75 = 15.7  
P70 = 16.7  
P50 = 20.9  
P25 = 29.2  
P10 = 43.0

## 04096100 GALENA RIVER NEAR LAPORTE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	6.90 2	7.10 2	7.60 1	9.20 4	9.40 2	12.00 8	13.00 9	15.00 9	19.00 11
1972	8.10 5	8.70 6	9.00 6	9.50 5	10.00 4	11.00 3	12.00 4	13.00 4	15.00 1
1973	8.10 6	8.30 5	8.90 5	9.90 6	12.00 12	13.00 9	13.00 5	14.00 5	20.00 12
1974	6.70 1	7.00 1	7.70 2	8.80 2	10.00 5	12.00 4	13.00 6	15.00 10	18.00 9
1975	7.00 3	7.30 3	7.90 3	8.20 1	9.00 1	9.70 1	11.00 1	12.00 1	16.00 6
1976	9.10 8	9.20 8	9.50 7	11.00 11	11.00 6	12.00 5	13.00 7	14.00 6	17.00 7
1977	7.70 4	8.00 4	8.20 4	9.20 3	9.80 3	11.00 2	12.00 2	14.00 7	15.00 2
1978	9.00 7	9.10 7	9.60 8	10.00 7	11.00 7	12.00 6	13.00 8	13.00 2	16.00 3
1979	10.00 13	10.00 11	11.00 13	11.00 12	13.00 14	16.00 15	16.00 13	17.00 13	18.00 8
1980	9.90 10	10.00 12	10.00 10	10.00 8	11.00 8	13.00 10	15.00 11	15.00 8	16.00 4
1981	11.00 14	11.00 14	11.00 14	11.00 13	12.00 13	14.00 13	16.00 14	18.00 14	20.00 13
1982	12.00 15	12.00 15	12.00 15	14.00 15	16.00 15	16.00 14	18.00 15	20.00 15	23.00 15
1983	10.00 11	10.00 13	10.00 11	11.00 14	11.00 9	13.00 11	15.00 12	16.00 11	19.00 10
1984	9.70 9	9.90 9	9.90 9	10.00 9	11.00 10	12.00 7	12.00 3	13.00 3	16.00 5
1985	10.00 12	10.00 10	11.00 12	11.00 10	12.00 11	13.00 12	14.00 10	17.00 12	20.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	174.00 10	114.00 13	88.00 8	64.00 8	58.00 6	45.00 8	40.00 10	36.00 10	31.00 13
1971	180.00 8	117.00 10	69.00 13	47.00 15	44.00 13	38.00 14	31.00 16	30.00 14	28.00 14
1972	240.00 6	141.00 5	89.00 7	60.00 10	48.00 10	39.00 11	36.00 12	35.00 11	32.00 10
1973	258.00 5	167.00 4	104.00 4	68.00 6	56.00 7	50.00 4	46.00 3	43.00 2	42.00 1
1974	163.00 13	117.00 11	81.00 10	60.00 11	42.00 14	39.00 12	37.00 11	35.00 12	33.00 7
1975	132.00 15	96.00 15	66.00 15	49.00 14	40.00 16	36.00 15	35.00 13	35.00 13	32.00 11
1976	174.00 9	128.00 8	95.00 6	72.00 5	59.00 5	44.00 9	42.00 8	37.00 8	32.00 12
1977	94.00 16	66.00 16	49.00 16	44.00 16	42.00 15	38.00 13	33.00 14	29.00 15	26.00 16
1978	170.00 11	135.00 7	98.00 5	76.00 4	66.00 4	46.00 7	40.00 9	36.00 9	33.00 8
1979	406.00 1	222.00 2	138.00 3	91.00 3	69.00 3	56.00 3	48.00 1	41.00 4	36.00 4
1980	145.00 14	99.00 14	67.00 14	51.00 13	46.00 11	36.00 16	31.00 15	29.00 16	28.00 15
1981	266.00 4	138.00 6	87.00 9	62.00 9	54.00 9	47.00 6	43.00 5	40.00 5	33.00 9
1982	336.00 3	202.00 3	144.00 2	107.00 2	77.00 1	57.00 1	47.00 2	42.00 3	36.00 5
1983	192.00 7	116.00 12	78.00 12	67.00 7	56.00 8	48.00 5	42.00 6	38.00 7	37.00 3
1984	168.00 12	119.00 9	79.00 11	58.00 12	46.00 12	43.00 10	42.00 7	40.00 6	35.00 6
1985	359.00 2	255.00 1	156.00 1	113.00 1	73.00 2	57.00 2	45.00 4	44.00 1	38.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	26.00 10
1972	22.00 1
1973	30.00 14
1974	28.00 12
1975	24.00 5
1976	24.00 6
1977	22.00 2
1978	23.00 3
1979	27.00 11
1980	24.00 7
1981	23.00 4
1982	32.00 15
1983	26.00 8
1984	26.00 9
1985	30.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	24.00 13
1971	21.00 16
1972	25.00 9
1973	33.00 1
1974	24.00 14
1975	25.00 10
1976	24.00 11
1977	21.00 15
1978	26.00 7
1979	26.00 8
1980	24.00 12
1981	27.00 6
1982	28.00 2
1983	27.00 3
1984	27.00 4
1985	27.00 5

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04096100 GALENA RIVER NEAR LAPORTE, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	20.00	26.50	21.10	15.90	26.10	31.30	56.00	28.30	18.00	14.50	9.71	24.20
1971	22.50	27.30	25.30	16.40	42.70	34.10	18.20	16.70	12.30	11.90	11.80	19.80
1972	23.10	17.40	34.70	30.60	24.80	46.90	29.10	27.10	14.30	13.00	13.80	29.10
1973	33.80	43.30	51.80	36.50	29.30	36.20	49.60	31.50	38.10	17.60	11.60	12.40
1974	19.50	19.30	29.40	40.40	30.90	30.40	31.20	32.20	22.90	10.80	10.00	12.00
1975	17.50	27.40	25.40	35.10	32.00	33.00	38.60	23.20	26.10	13.70	12.50	12.70
1976	16.80	21.60	29.00	15.00	39.00	46.30	30.60	29.70	17.30	14.70	11.90	11.40
1977	17.40	22.10	21.40	17.10	27.10	40.80	27.10	20.70	12.90	13.70	12.20	20.00
1978	19.10	18.80	37.00	23.20	22.20	50.70	39.80	26.10	15.90	26.20	16.90	15.30
1979	17.30	18.20	27.60	24.40	25.30	67.60	43.50	26.70	14.50	11.50	21.40	11.80
1980	20.70	26.70	33.40	21.00	19.20	35.60	32.30	16.00	25.30	12.90	18.90	21.60
1981	25.30	16.80	28.10	20.20	35.20	19.40	44.70	45.20	37.20	17.70	19.50	21.30
1982	22.70	32.10	23.90	25.40	25.60	70.10	38.90	26.20	23.60	18.40	14.10	17.10
1983	15.50	33.80	43.40	24.20	27.80	32.40	50.30	39.90	19.10	15.00	11.80	12.30
1984	15.10	23.20	28.10	21.30	41.20	41.20	40.60	36.60	26.60	16.30	13.10	15.80
1985	21.60	29.20	33.20	32.20	51.60	50.60	30.90	16.50	15.60	14.10	16.00	13.20

	OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE						
	17.30	18.89	25.30	17.89	25.40	32.50
FIFTIETH PERCENTILE						
	19.69	24.80	28.50	23.69	28.50	38.50
SEVENTY FIFTH PERCENTILE						
	22.60	28.70	34.40	31.80	38.00	49.70

	APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE						
	30.70	21.30	14.80	12.90	11.80	12.30
FIFTIETH PERCENTILE						
	38.70	26.90	18.50	14.30	12.80	15.60
SEVENTY FIFTH PERCENTILE						
	44.40	32.00	25.90	17.30	16.69	21.00



## 04097970 LIME LAKE OUTLET AT PANAMA, IN

LOCATION.--Lat 41°42'46", long 85°07'10", in NW¼NW¼ sec.35, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001, on right bank 10 ft downstream from dam for Lime Lake, 30 ft upstream from bridge on Orland Road, and 0.7 mi northwest of Panama.

DRAINAGE AREA.--17.5 mi<sup>2</sup>, of which 3.68 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Occasional regulation by control structure for Lime Lake.

AVERAGE DISCHARGE.--16 years, 7.96 ft<sup>3</sup>/s, 6.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft<sup>3</sup>/s Apr. 10, 1985, gage height, 4.87 ft; no flow at times during 1971, 1972, and 1984.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1970													6	10	28	14	13	25	69	72	32	41	18	21	9	7									
1971	28	11	5		1	3	7	6	14	9	6	9	10	15	11	4	9	7	2	1	5	7	8	23	49	54	27	34							
1972	48		10	5		1	1	1	6	1	2	2	3	3	18	22	7	14	18	41	27	30	27	25	14	4	23	13							
1973																1	3	7	1	3	2	14	20	22	17	62	108	69	28	8					
1974					1		1		4	8	10	10	9	17	14	10	7	11	20	5		1	18	23	19	29	34	45	25	44					
1975										3	3	5	20	8	4	1	1	6	18	23	24	10	18	53	27	43	13	38	45	2					
1976						7	7	1	4	2	1	4	4	3	1	4	5	17	31	29	21	29	12	3	25	54	15	19	32	30	6				
1977											1	3	5	21	27	14	14	20	26	34	21	47	57	6	12	9	26	12	9	1					
1978								1	8	7	11	6	8	18	13	8	22	14	12	8	17	24	13	13	76	32	37	17							
1979														3	6	25	8	19	24	32	24	15	37	75	15	33	21	25	3						
1980												8	11	24	9	1	4	4	7	20	27	39	38	14	33	35	22	17	36	17					
1981				5	1	2							3	3	1	2	4	1	6		23	7	7	13	21	77	58	25	28	29	33	16			
1982													1	2	1	3	3	4	24	13	5	9	15	12	48	29	17	91	19	15	18	16	20		
1983														4	12	7	4	20	14	20	20	24	14	11	6	19	55	22	53	50	10				
1984	2	1	3	3	4	4	3	2	3	2	3	3	9	7	7	5	6	26	29	13	12	5	4	8	35	57	54	41	15						
1985																			13	34	41	36	33	42	25	10	29	19	18	11	18	28	8		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	78	5844	100.00	12	0.29	82	5513	94.34	24	6.3	437	2726	46.65
1	0.01	12	5766	98.67	13	0.37	115	5431	92.93	25	8.2	578	2289	39.17
2	0.02	18	5754	98.46	14	0.48	132	5316	90.97	26	11.0	596	1711	29.28
3	0.03	13	5736	98.15	15	0.62	120	5184	88.71	27	14.0	447	1115	19.08
4	0.04	7	5723	97.93	16	0.81	91	5064	86.65	28	18.0	332	668	11.43
5	0.05	17	5716	97.81	17	1.0	231	4973	85.10	29	23.0	214	336	5.75
6	0.06	19	5699	97.52	18	1.4	244	4742	81.14	30	30.0	66	122	2.09
7	0.08	10	5680	97.19	19	1.8	308	4498	76.97	31	39.0	48	56	0.96
8	0.10	32	5670	97.02	20	2.3	273	4190	71.70	32	50.0	8	8	0.14
9	0.13	33	5638	96.48	21	2.9	365	3917	67.03	33				
10	0.17	33	5605	95.91	22	3.8	407	3552	60.78	34				
11	0.22	59	5572	95.35	23	4.9	419	3145	53.82					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.24  
P90 = 0.54  
P75 = 2.0  
P70 = 2.5  
P50 = 5.6  
P25 = 12.3  
P10 = 19.3

## 04097970 LIME LAKE OUTLET AT PANAMA, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	0.65 15	0.68 15	0.78 15	0.83 13	1.19 13	1.60 10	2.50 11	2.80 10	4.00 10
1972	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.01 1	0.08 1	0.27 1	0.40 1
1973	0.00 2	0.00 2	0.02 3	0.16 6	0.83 9	1.10 7	1.10 6	1.80 8	3.30 8
1974	0.40 13	0.42 12	0.44 11	0.51 11	1.00 10	1.80 12	2.90 12	4.20 13	6.00 13
1975	0.04 5	0.07 6	0.11 6	0.15 5	0.25 4	0.36 3	0.36 2	0.49 2	1.10 2
1976	0.34 11	0.34 11	0.35 10	0.37 9	1.50 14	2.40 14	3.50 13	3.30 12	4.80 11
1977	0.05 6	0.05 5	0.05 5	0.10 3	0.14 3	0.30 2	0.40 3	0.79 3	1.80 4
1978	0.45 14	0.47 13	0.48 12	0.55 12	1.00 11	1.19 8	1.40 8	1.60 7	1.90 5
1979	0.12 7	0.13 7	0.15 7	0.20 7	0.28 5	0.43 5	0.51 4	0.82 4	2.10 6
1980	0.24 9	0.26 8	0.28 8	0.29 8	0.33 6	0.42 4	0.67 5	0.95 5	1.40 3
1981	0.03 4	0.03 4	0.03 4	0.14 4	0.71 8	1.70 11	3.50 14	4.40 14	5.60 12
1982	0.22 8	0.30 10	0.54 14	1.70 15	4.20 15	4.90 15	6.60 15	7.70 15	9.20 15
1983	0.35 12	0.50 14	0.52 13	0.86 14	1.19 12	1.60 9	1.90 9	3.10 11	6.20 14
1984	0.00 3	0.00 3	0.01 2	0.03 2	0.07 2	2.00 13	1.90 10	2.20 9	3.90 9
1985	0.27 10	0.29 9	0.32 9	0.39 10	0.69 7	1.10 6	1.19 7	1.50 6	3.30 7

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	21.00 11	21.00 11	20.00 12	18.00 11	15.00 14	12.00 15	9.20 15	7.80 15	6.80 15
1971	16.00 16	16.00 16	15.00 16	15.00 15	14.00 15	13.00 12	11.00 13	10.00 12	9.70 12
1972	17.00 15	17.00 15	16.00 15	15.00 16	14.00 16	11.00 16	7.40 16	5.90 16	5.00 16
1973	24.00 8	23.00 8	23.00 8	22.00 8	19.00 8	17.00 9	16.00 8	15.00 8	13.00 7
1974	28.00 6	27.00 6	26.00 6	25.00 6	24.00 5	22.00 5	21.00 3	19.00 3	16.00 4
1975	23.00 9	23.00 9	22.00 9	20.00 9	19.00 9	18.00 7	18.00 7	16.00 7	13.00 8
1976	33.00 5	32.00 5	31.00 5	29.00 5	28.00 3	24.00 3	21.00 4	18.00 5	15.00 6
1977	23.00 10	22.00 10	21.00 10	18.00 12	16.00 12	13.00 13	10.00 14	8.70 14	6.90 14
1978	19.00 13	19.00 13	19.00 13	18.00 13	17.00 11	16.00 10	14.00 11	13.00 11	11.00 10
1979	18.00 14	18.00 14	17.00 14	17.00 14	15.00 13	13.00 14	11.00 12	9.40 13	7.90 13
1980	27.00 7	24.00 7	24.00 7	23.00 7	22.00 7	18.00 8	15.00 9	14.00 9	11.00 11
1981	37.00 3	36.00 3	34.00 3	32.00 3	23.00 6	21.00 6	20.00 5	19.00 4	16.00 5
1982	44.00 2	43.00 2	43.00 2	42.00 2	40.00 2	31.00 2	25.00 2	22.00 2	18.00 2
1983	33.00 4	32.00 4	32.00 4	30.00 4	26.00 4	23.00 4	19.00 6	17.00 6	17.00 3
1984	20.00 12	20.00 12	20.00 11	19.00 10	18.00 10	16.00 11	14.00 10	13.00 10	12.00 9
1985	51.00 1	51.00 1	51.00 1	49.00 1	44.00 1	40.00 1	31.00 1	28.00 1	21.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	7.20 7
1972	2.00 1
1973	7.30 8
1974	11.00 12
1975	6.60 6
1976	11.00 13
1977	5.30 3
1978	5.40 4
1979	5.70 5
1980	4.80 2
1981	8.30 9
1982	14.00 15
1983	12.00 14
1984	9.30 10
1985	10.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	5.10 14
1971	5.30 13
1972	3.30 16
1973	11.00 3
1974	9.20 6
1975	7.80 8
1976	8.60 7
1977	4.10 15
1978	6.60 11
1979	5.30 12
1980	7.40 9
1981	11.00 4
1982	12.00 1
1983	11.00 5
1984	7.10 10
1985	12.00 2

04097970 LIME LAKE OUTLET AT PANAMA, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	2.49	7.13	4.95	3.78	3.76	3.88	14.00	8.98	3.45	4.02	2.97	1.61
1971	3.84	9.57	7.71	6.34	10.70	14.00	9.76	0.36	0.44	0.84	0.16	0.00
1972	0.69	1.33	4.89	3.30	1.97	0.80	7.39	11.40	2.81	1.19	1.00	2.77
1973	4.15	9.94	11.30	12.50	10.20	13.20	11.60	13.10	18.90	13.10	6.94	8.48
1974	1.11	4.35	6.24	9.99	14.50	21.90	21.40	18.00	11.60	1.18	0.25	0.55
1975	0.40	2.73	2.01	4.53	6.79	9.55	16.90	18.90	17.10	4.82	3.94	5.63
1976	2.04	3.09	9.90	9.22	13.60	27.40	19.80	7.95	2.50	6.08	1.45	0.14
1977	0.48	1.26	4.02	3.66	4.08	12.50	13.10	3.44	1.99	2.17	1.29	1.50
1978	2.27	4.08	7.25	10.40	9.02	9.11	17.00	15.10	2.72	1.66	0.38	0.53
1979	1.01	7.07	4.65	4.55	4.93	8.34	14.10	10.10	2.96	2.66	1.88	0.94
1980	0.35	0.94	2.52	3.79	4.73	12.70	22.20	7.43	11.50	5.56	6.18	11.50
1981	2.06	2.14	6.55	7.14	10.00	8.34	17.50	22.70	19.90	13.00	8.93	14.60
1982	5.04	5.92	10.70	12.20	12.00	23.90	35.90	9.97	16.60	7.64	2.54	1.51
1983	1.77	16.00	23.40	16.20	11.60	5.58	21.20	24.30	5.43	6.17	2.94	2.75
1984	2.16	4.18	11.90	9.14	8.72	12.20	17.30	11.10	4.51	1.31	1.01	1.61
1985	3.79	8.07	6.03	16.80	14.10	36.30	42.50	6.19	4.06	2.05	2.81	3.87

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.77	2.29	4.71	3.97	4.78	8.34
FIFTIETH PERCENTILE					
2.05	4.26	6.39	8.14	9.51	12.40
SEVENTY FIFTH PERCENTILE					
3.46	7.83	10.50	11.80	11.90	19.90
APRIL					
MAY					
JUNE					
JULY					
AUG					
SEPT					
TWENTY FIFTH PERCENTILE					
13.30	7.56	2.74	1.40	1.00	0.65
FIFTIETH PERCENTILE					
17.10	10.60	4.28	3.34	2.21	1.61
SEVENTY FIFTH PERCENTILE					
21.30	17.30	15.30	6.15	3.70	5.19

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04099510 PIGEON CREEK NEAR ANGOLA, IN

LOCATION.--Lat 41°38'04", long 85°06'35", in NW¼SE¼ sec.26, T.37 N., R.12 E., Steuben County, Hydrologic Unit 04050001, on left bank 5 ft upstream from bridge on U.S. Highway 20, 1.3 mi downstream from outlet of Hogback Lake, 1.3 mi southeast of Flint, and 5.8 mi west of Angola.

DRAINAGE AREA.--106 mi<sup>2</sup>, of which 22.5 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1945 to September 1985. Prior to October 1947, published as "near Flint". Published as Pigeon Creek at Hogback Lake Outlet near Angola, October 1947 to September 1971, and Pigeon Creek and Hogback Lake near Angola, October 1971 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 940.00 ft above National Geodetic Vertical Datum of 1929. Prior to October 1947, nonrecording gage at site 0.3 mi downstream at different datum. October 1947 to Aug. 3, 1953, nonrecording gage at site 1.2 mi upstream at same datum. Aug. 4, 1953, to Apr. 3, 1974, recording gage at site 1.3 mi upstream at same datum. Apr. 18, 1974, to Sept. 2, 1974, non-recording gage at same site and datum.

AVERAGE DISCHARGE.--40 years, 79.9 ft<sup>3</sup>/s, 10.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 795 ft<sup>3</sup>/s Mar. 22, 1982, gage height, 13.90 ft; minimum daily, 3.4 ft<sup>3</sup>/s Oct. 25-27, 1964.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1946											37	38	2	11	43	50	30	29	28	13	12	17	7	8	25	11	1	3								
1947									7	26	19	32	35	21	19	19	16	24	28	13	10	7	16	8	13	16	14	6	9	3	4					
1948									10	11	14	13	16	23	45	24	24	26	21	7	19	28	12	11	17	7	11	15	11	1						
1949									3	21	37	28	39	26	24	19	11	9	20	29	21	26	10	10	11	8	5	2	3	3						
1950									5		1	42	11	7	16	13	20	4	17	21	26	15	19	11	27	14	16	21	20	13	7	10	4	5		
1951													12	6	15	15	17	28	31	34	28	19	23	20	25	25	26	15	17	5	4					
1952										1	9	17	47	31	7	12	10	12	43	21	27	23	13	14	24	17	22	12	4							
1953					8	6	8	3	7	19	38	51	18	55	29	19	10	18	28	21	13	10	4													
1954				8	9	24	11	9	66	9	14	26	21	24	12	16	10	18	19	15	9	1	3	3	8	8	10	9	3							
1955									4	15	7	4	19	22	48	24	30	22	16	19	34	17	18	16	13	10	5	11	11							
1956										5	1	5	36	24	35	31	26	33	26	26	12	29	16	6	6	3	3	3	9	13	8	10				
1957											65	32	15	29	18	14	26	28	27	30	15	3	6	5	5	9	6	3								
1958										11	6	5	19	35	31	40	46	36	30	23	16	12	18	4	12	8	8	5								
1959											15	17	36	27	32	34	23	15	16	13	32	12	13	10	15	10	11	6	11	10	7					
1960												16	25	13	14	16	25	14	27	36	48	44	15	16	12	7	13	11	14							
1961										9	24	84	56	46	8	10	21	7	13	12	12	6	5	14	7	3	13	2	4	2	4	3				
1962					5	13	8	15	4	20	38	33	21	38	42	28	13	14	14	15	15	3	3	1	1	3	3	8	6	1						
1963				12	16	15	57	55	50	28	17	12	18	11	11	11	8	11	4	3	2	4	3	4	5	2	4	2								
1964				25	58	74	24	34	16	10	20	14	12	8	10	4	6	5	19	13	12	2														
1965			18	25	16	5	7	3	5	26	32	5	20	17	26	5	10	18	8	7	12	13	7	6	16	33	20	5								
1966								3	7	22	14	17	22	34	18	21	21	21	25	30	34	13	17	15	12	5	5	5	4							
1967				3	4	5	23	22	28	6	7	13	7	6	10	17	36	18	19	25	31	14	12	8	10	20	15	6								
1968									14	1	2	1	17	19	7	8	31	34	49	46	25	22	16	14	21	6	9	5	8	11						
1969									4	12	20	37	10	3	6	6	17	22	42	33	27	23	13	18	27	14	13	9	5	3	1					
1970										6	16	45	50	27	27	28	26	20	16	15	18	13	13	7	23	9	6									
1971						1	20	8	12	21	36	16	14	28	19	37	24	17	24	17	11	13	9	10	7	10	4	7								
1972			2	3	5	20	29	8	16	12	26	33	39	24	24	36	11	2	3	2	11	13	25	10	12											
1973														18	18	14	8	11	17	31	26	46	58	19	29	27	32	11								
1974											8	45	33	36	12	7	24	14	16	11	17	24	26	22	31	12	14	5	8							
1975										10	14	8	2	16	26	2	9	42	16	18	12	16	46	24	20	25	19	20	11	9						
1976														4	52	15	15	58	36	20	21	23	25	28	8	24	3	3	1	3	6	10	9	2		
1977											23	31	64	43	59	27	22	6	5	3	4	6	9	16	17	7	6	9	8							
1978										1	3	2	7	26	35	25	67	32	29	18	18	16	19	11	7	6	6	6	5	2	3	8	11	2		
1979										21	8	23	47	34	18	25	41	27	28	12	5	4	3	17	13	7	14	10	1	3	4					
1980											44	8	1	2	1	9	30	34	68	45	32	18	13	7	12	9	4	10	14	5						
1981														23	36	54	13	4	25	17	35	27	17	11	28	15	19	11	10	17	3					
1982														27	11	9	14	8	33	49	56	54	29	11	10	10	3	2	12	4	4	4	9	2		
1983														6	24	11	20	42	4	10	11	27	34	36	22	39	32	25	14	2	6					
1984										5		2	5	16	32	32	47	42	17	13	12	9	23	18	12	19	16	13	9	19	5					
1985														8	18	32	37	44	49	36	23	19	14	10	11	8	9	6	8	7	6	14	4	2		

## 04099510 PIGEON CREEK NEAR ANGOLA, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14610	100.00	12	21.0	824	11895	81.42	24	150.0	599	2188	14.98
1	3.4	18	14610	100.00	13	25.0	977	11071	75.78	25	180.0	407	1589	10.88
2	4.0	27	14592	99.88	14	29.0	897	10094	69.09	26	210.0	381	1182	8.09
3	4.7	67	14565	99.69	15	34.0	886	9197	62.95	27	250.0	255	801	5.48
4	5.6	105	14498	99.23	16	40.0	948	8311	56.89	28	290.0	257	546	3.74
5	6.6	157	14393	98.51	17	48.0	749	7363	50.40	29	350.0	124	289	1.98
6	7.8	188	14236	97.44	18	56.0	883	6614	45.27	30	410.0	62	165	1.13
7	9.2	155	14048	96.15	19	66.0	848	5731	39.23	31	480.0	58	103	0.70
8	11.0	326	13893	95.09	20	78.0	844	4883	33.42	32	570.0	25	45	0.31
9	13.0	340	13567	92.86	21	92.0	757	4039	27.65	33	670.0	18	20	0.14
10	15.0	574	13227	90.53	22	110.0	617	3282	22.46	34	790.0	2	2	0.01
11	18.0	758	12653	86.61	23	130.0	477	2665	18.24					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	11.1
P90 =	15.4
P75 =	25.5
P70 =	28.5
P50 =	48.6
P25 =	101.0
P10 =	189.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1947	11.00 13	11.00 13	12.00 17	13.00 17	13.00 12	14.00 9	14.00 7	15.00 7	17.00 6
1948	18.00 28	19.00 29	19.00 29	20.00 30	21.00 29	26.00 30	33.00 33	33.00 31	45.00 29
1949	11.00 14	11.00 14	11.00 12	12.00 13	13.00 13	14.00 10	16.00 9	18.00 10	21.00 8
1950	12.00 15	12.00 15	12.00 13	13.00 14	14.00 17	16.00 13	18.00 12	19.00 11	26.00 15
1951	32.00 38	32.00 38	33.00 38	34.00 38	39.00 38	57.00 38	56.00 38	59.00 38	68.00 37
1952	21.00 33	21.00 33	21.00 33	22.00 32	24.00 32	29.00 33	37.00 36	46.00 36	66.00 36
1953	13.00 19	13.00 19	13.00 18	15.00 21	17.00 23	17.00 17	20.00 15	22.00 15	24.00 11
1954	5.20 5	5.20 4	5.30 4	5.60 3	6.30 3	6.80 3	7.60 3	8.60 3	11.00 4
1955	9.80 8	9.90 8	10.00 8	11.00 9	13.00 14	18.00 22	23.00 25	26.00 24	54.00 33
1956	12.00 16	12.00 16	12.00 14	13.00 15	14.00 15	20.00 23	23.00 26	25.00 21	29.00 20
1957	16.00 26	16.00 26	16.00 26	16.00 22	16.00 18	17.00 18	20.00 16	23.00 17	31.00 21
1958	14.00 20	14.00 20	14.00 20	14.00 18	16.00 19	16.00 14	19.00 13	25.00 22	41.00 26
1959	21.00 34	22.00 34	22.00 34	24.00 34	27.00 35	28.00 31	31.00 30	33.00 32	47.00 31
1960	15.00 25	15.00 25	15.00 25	16.00 23	20.00 27	21.00 26	22.00 24	25.00 23	38.00 25
1961	14.00 21	14.00 21	14.00 21	15.00 19	16.00 20	17.00 15	20.00 17	20.00 12	20.00 7
1962	19.00 29	19.00 30	19.00 30	19.00 28	20.00 28	21.00 27	21.00 19	23.00 18	26.00 16
1963	7.00 6	7.00 6	7.20 6	7.40 6	7.90 5	8.70 5	9.50 5	10.00 5	10.00 3
1964	5.10 3	5.10 3	5.10 3	5.10 2	5.20 2	5.50 2	5.70 2	6.10 2	7.00 1
1965	3.40 1	3.40 1	3.50 1	3.60 1	3.80 1	4.30 1	5.00 1	6.00 1	7.90 2
1966	10.00 9	10.00 9	11.00 9	11.00 10	12.00 9	14.00 11	17.00 10	17.00 8	22.00 9
1967	8.00 7	8.10 7	8.40 7	9.00 7	9.50 7	11.00 7	14.00 8	18.00 9	26.00 17
1968	5.20 4	5.30 5	5.70 5	6.50 5	8.10 6	9.90 6	12.00 6	15.00 6	25.00 12
1969	12.00 17	12.00 17	12.00 15	13.00 16	14.00 16	18.00 19	24.00 27	32.00 30	46.00 30
1970	17.00 27	17.00 27	18.00 27	18.00 27	18.00 25	20.00 24	21.00 20	28.00 26	31.00 22
1971	14.00 22	14.00 22	14.00 22	15.00 20	16.00 21	18.00 20	21.00 21	23.00 19	29.00 18
1972	4.30 2	4.60 2	5.10 2	5.90 4	6.90 4	7.50 4	8.40 4	8.90 4	12.00 5
1973	11.00 10	11.00 10	11.00 10	12.00 11	13.00 10	20.00 25	20.00 18	24.00 20	36.00 24
1974	19.00 30	19.00 28	19.00 28	20.00 29	20.00 26	22.00 28	25.00 28	31.00 28	50.00 32
1975	12.00 18	12.00 18	12.00 16	12.00 12	13.00 11	16.00 12	19.00 14	20.00 13	25.00 13
1976	25.00 35	25.00 35	26.00 36	26.00 35	28.00 36	33.00 37	44.00 37	49.00 37	64.00 35
1977	15.00 23	15.00 23	15.00 23	16.00 24	17.00 24	18.00 21	22.00 22	22.00 16	24.00 10
1978	19.00 31	20.00 31	20.00 31	22.00 33	26.00 33	30.00 36	31.00 31	32.00 29	34.00 23
1979	11.00 11	11.00 11	11.00 11	11.00 8	12.00 8	14.00 8	18.00 11	21.00 14	25.00 14
1980	15.00 24	15.00 24	15.00 24	16.00 25	16.00 22	17.00 16	22.00 23	28.00 27	29.00 19
1981	26.00 37	27.00 37	27.00 37	27.00 37	29.00 37	29.00 34	36.00 35	37.00 33	43.00 28
1982	55.00 39	55.00 39	56.00 39	56.00 39	64.00 39	76.00 39	77.00 39	80.00 39	86.00 39
1983	25.00 36	25.00 36	25.00 35	26.00 36	27.00 34	30.00 35	33.00 34	44.00 35	69.00 38
1984	19.00 32	20.00 32	20.00 32	21.00 31	22.00 30	23.00 29	25.00 29	27.00 25	42.00 27
1985	11.00 12	11.00 12	13.00 19	16.00 26	23.00 31	28.00 32	32.00 32	37.00 34	56.00 34

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04099510 PIGEON CREEK NEAR ANGOLA, IN--Continued

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1946	220.00 37	213.00 37	190.00 37	155.00 37	151.00 35	118.00 36	111.00 34	95.00 35	74.00 36
1947	448.00 8	439.00 9	411.00 9	331.00 12	303.00 9	237.00 8	210.00 9	173.00 13	133.00 19
1948	355.00 20	344.00 20	306.00 24	276.00 20	220.00 24	212.00 14	190.00 14	163.00 17	133.00 20
1949	366.00 19	359.00 19	330.00 19	276.00 21	201.00 28	172.00 26	145.00 25	127.00 26	102.00 27
1950	731.00 2	727.00 2	690.00 2	607.00 3	494.00 3	409.00 1	338.00 1	322.00 1	252.00 1
1951	448.00 9	435.00 10	408.00 10	344.00 10	278.00 12	225.00 11	220.00 8	192.00 11	181.00 4
1952	370.00 16	367.00 17	347.00 18	301.00 16	261.00 13	204.00 17	197.00 13	195.00 10	167.00 7
1953	122.00 39	119.00 39	111.00 39	98.00 39	88.00 39	80.00 39	72.00 39	64.00 38	52.00 38
1954	317.00 27	310.00 27	283.00 29	247.00 29	221.00 23	174.00 25	137.00 28	114.00 30	85.00 34
1955	339.00 22	335.00 23	319.00 21	255.00 27	188.00 32	146.00 33	140.00 27	129.00 25	124.00 22
1956	548.00 6	537.00 6	506.00 6	464.00 6	398.00 6	246.00 7	250.00 5	213.00 4	156.00 9
1957	317.00 28	310.00 28	290.00 28	259.00 26	225.00 21	157.00 32	129.00 33	113.00 32	95.00 30
1958	274.00 31	270.00 32	243.00 33	202.00 33	139.00 37	104.00 37	98.00 37	94.00 36	83.00 35
1959	442.00 10	442.00 8	433.00 8	395.00 7	315.00 7	278.00 6	238.00 7	199.00 6	150.00 13
1960	339.00 23	331.00 24	296.00 26	229.00 31	200.00 29	160.00 29	144.00 26	145.00 21	135.00 18
1961	502.00 7	493.00 7	469.00 7	390.00 8	296.00 10	207.00 16	176.00 19	144.00 22	105.00 25
1962	411.00 13	403.00 12	382.00 12	341.00 11	261.00 14	169.00 27	133.00 31	114.00 31	87.00 33
1963	255.00 34	251.00 34	232.00 34	196.00 36	148.00 36	97.00 38	73.00 38	60.00 39	44.00 39
1964	92.00 40	91.00 40	87.00 40	81.00 40	75.00 40	65.00 40	51.00 40	43.00 40	32.00 40
1965	241.00 35	235.00 35	222.00 35	197.00 34	177.00 34	176.00 24	157.00 22	137.00 23	102.00 26
1966	300.00 29	300.00 29	291.00 27	260.00 25	190.00 31	125.00 34	109.00 35	106.00 34	106.00 24
1967	276.00 30	271.00 30	260.00 32	227.00 32	199.00 30	158.00 30	134.00 30	122.00 28	114.00 23
1968	394.00 15	391.00 15	374.00 13	321.00 13	242.00 15	212.00 15	180.00 18	168.00 14	138.00 17
1969	417.00 12	401.00 13	358.00 15	306.00 15	240.00 16	187.00 23	156.00 24	161.00 18	141.00 16
1970	231.00 36	230.00 36	221.00 36	197.00 35	185.00 33	158.00 31	136.00 29	115.00 29	88.00 31
1971	272.00 32	270.00 31	265.00 30	238.00 30	202.00 27	162.00 28	129.00 32	108.00 33	87.00 32
1972	162.00 38	161.00 38	156.00 38	141.00 38	133.00 38	123.00 35	105.00 36	85.00 37	65.00 37
1973	262.00 33	262.00 33	260.00 31	254.00 28	228.00 20	198.00 21	181.00 17	165.00 16	153.00 11
1974	338.00 24	336.00 22	326.00 20	287.00 18	215.00 26	200.00 19	182.00 16	167.00 15	142.00 14
1975	326.00 26	320.00 26	306.00 25	274.00 22	237.00 18	220.00 12	198.00 12	182.00 12	156.00 10
1976	577.00 5	570.00 5	544.00 5	481.00 5	450.00 4	309.00 5	239.00 6	195.00 7	159.00 8
1977	330.00 25	324.00 25	307.00 23	263.00 23	236.00 19	201.00 18	169.00 20	135.00 24	100.00 28
1978	679.00 4	674.00 4	652.00 3	611.00 2	526.00 2	342.00 4	257.00 4	213.00 5	168.00 6
1979	398.00 14	391.00 14	360.00 14	283.00 19	219.00 25	192.00 22	157.00 23	125.00 27	95.00 29
1980	369.00 17	368.00 16	356.00 16	320.00 14	307.00 8	216.00 13	183.00 15	158.00 19	129.00 21
1981	423.00 11	419.00 11	402.00 11	376.00 9	281.00 11	228.00 9	199.00 11	195.00 8	176.00 5
1982	794.00 1	792.00 1	778.00 1	718.00 1	571.00 1	393.00 2	305.00 2	254.00 2	197.00 2
1983	343.00 21	338.00 21	317.00 22	263.00 24	224.00 22	199.00 20	165.00 21	147.00 20	142.00 15
1984	368.00 18	363.00 18	350.00 17	300.00 17	240.00 17	225.00 10	208.00 10	195.00 9	151.00 12
1985	689.00 3	677.00 3	631.00 4	556.00 4	404.00 5	363.00 3	269.00 3	239.00 3	194.00 3

ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1947	35.00 5
1948	106.00 32
1949	75.00 17
1950	93.00 29
1951	150.00 38
1952	119.00 35
1953	59.00 7
1954	31.00 3
1955	94.00 30
1956	62.00 8
1957	77.00 20
1958	76.00 18
1959	82.00 23
1960	87.00 27
1961	66.00 11
1962	76.00 19
1963	34.00 4
1964	17.00 1
1965	42.00 6
1966	66.00 12
1967	69.00 13
1968	85.00 24
1969	81.00 21
1970	65.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1946	51.00 35
1947	79.00 22
1948	82.00 20
1949	62.00 28
1950	151.00 1
1951	124.00 3
1952	105.00 8
1953	35.00 38
1954	49.00 36
1955	80.00 21
1956	99.00 11
1957	59.00 30
1958	64.00 25
1959	92.00 16
1960	94.00 14
1961	63.00 26
1962	54.00 34
1963	27.00 39
1964	19.00 40
1965	57.00 32
1966	66.00 24
1967	68.00 23
1968	92.00 15
1969	89.00 17

04099510 PIGEON CREEK NEAR ANGOLA, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	74.00	16
1972	30.00	2
1973	86.00	25
1974	107.00	33
1975	69.00	14
1976	135.00	37
1977	62.00	9
1978	81.00	22
1979	87.00	28
1980	70.00	15
1981	86.00	26
1982	153.00	39
1983	110.00	34
1984	96.00	31
1985	125.00	36

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	58.00	31
1971	54.00	33
1972	41.00	37
1973	116.00	5
1974	86.00	19
1975	99.00	12
1976	103.00	9
1977	63.00	27
1978	106.00	7
1979	61.00	29
1980	88.00	18
1981	115.00	6
1982	131.00	2
1983	100.00	10
1984	95.00	13
1985	121.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1946	49.50	27.70	30.30	98.40	103.00	129.00	48.10	32.20	38.00	27.20	14.70	14.00
1947	14.10	18.10	22.30	43.20	68.00	78.50	300.00	169.00	136.00	33.50	20.50	50.40
1948	28.90	47.50	89.30	75.20	106.00	220.00	153.00	153.00	48.20	29.10	19.60	13.30
1949	15.80	22.50	24.20	132.00	197.00	105.00	77.90	51.70	58.60	36.50	20.80	14.60
1950	22.70	19.40	63.50	266.00	206.00	285.00	491.00	172.00	92.50	82.10	41.00	84.00
1951	46.10	72.10	179.00	148.00	193.00	204.00	176.00	186.00	76.90	134.00	51.30	27.20
1952	34.50	74.70	81.00	236.00	170.00	179.00	192.00	126.00	91.40	33.40	28.00	22.50
1953	17.00	19.60	28.90	34.00	36.60	85.40	71.40	56.90	21.70	16.70	21.60	8.05
1954	6.56	8.39	11.70	14.30	33.00	101.00	215.00	83.40	39.50	38.50	22.40	14.40
1955	154.00	71.60	74.50	156.00	84.10	174.00	92.80	43.90	31.50	29.70	28.00	15.10
1956	33.80	74.90	47.70	24.20	81.30	243.00	97.90	383.00	68.30	39.80	61.70	27.00
1957	16.30	20.90	29.20	38.50	58.60	74.60	204.00	107.00	59.30	61.30	21.60	16.70
1958	25.10	63.70	114.00	73.10	44.50	119.00	79.40	37.60	29.30	29.00	45.40	102.00
1959	45.20	67.60	46.60	55.40	257.00	201.00	223.00	119.00	40.30	24.50	22.60	19.60
1960	48.90	86.10	77.60	162.00	158.00	63.50	197.00	83.30	152.00	59.10	25.90	21.20
1961	18.50	22.90	21.00	17.20	28.40	146.00	187.00	188.00	44.70	26.60	27.70	22.50
1962	19.90	30.80	32.00	36.40	59.70	233.00	97.60	54.50	38.20	23.50	13.80	8.87
1963	8.73	11.00	12.90	10.40	8.55	113.00	69.30	29.80	22.90	10.80	14.40	5.83
1964	5.31	6.27	7.20	7.95	9.66	20.40	69.90	56.10	21.70	13.90	8.12	7.50
1965	4.12	4.51	9.92	46.70	103.00	165.00	172.00	98.10	30.00	14.70	14.00	25.00
1966	23.30	29.30	91.30	147.00	57.50	88.80	99.80	132.00	53.20	32.50	22.20	14.30
1967	9.43	27.90	153.00	63.20	81.20	143.00	164.00	77.40	45.70	26.10	13.30	8.13
1968	17.40	43.40	195.00	121.00	219.00	102.00	123.00	64.60	69.40	77.00	54.90	28.30
1969	15.10	32.10	76.40	158.00	214.00	74.30	181.00	148.00	73.80	49.50	39.60	18.60
1970	21.60	41.60	44.30	23.00	49.60	95.50	184.00	124.00	47.90	28.50	24.70	17.40
1971	23.20	35.50	66.50	31.50	138.00	171.00	76.50	44.80	30.50	16.00	11.30	10.50
1972	7.04	7.96	17.20	30.60	19.50	85.80	115.00	106.00	29.10	25.80	17.50	25.70
1973	35.70	122.00	111.00	147.00	94.50	196.00	187.00	116.00	156.00	122.00	70.20	31.40
1974	22.30	22.70	58.80	151.00	190.00	159.00	150.00	128.00	73.90	36.80	25.20	18.70
1975	13.50	24.70	32.70	80.50	110.00	133.00	154.00	198.00	237.00	80.90	63.60	65.50
1976	28.20	40.40	130.00	55.00	237.00	338.00	114.00	83.60	51.20	74.70	54.10	25.90
1977	25.10	24.70	26.70	18.30	30.90	215.00	183.00	93.20	31.70	32.10	32.60	34.30
1978	38.90	33.80	142.00	66.20	41.40	239.00	399.00	115.00	62.30	77.90	33.50	24.00
1979	12.70	17.90	35.00	41.20	19.80	199.00	173.00	89.90	29.80	27.00	48.80	28.60
1980	16.00	25.40	81.80	76.10	51.40	185.00	236.00	90.50	109.00	60.20	68.50	57.70
1981	29.70	29.80	54.30	36.00	144.00	125.00	122.00	177.00	263.00	164.00	126.00	119.00
1982	90.60	86.70	71.10	86.50	84.10	437.00	326.00	114.00	121.00	84.90	37.80	27.60
1983	34.70	125.00	168.00	96.70	92.70	96.00	191.00	199.00	78.60	67.30	31.10	22.20
1984	26.90	33.90	112.00	42.60	151.00	198.00	233.00	149.00	97.90	37.80	25.90	35.80
1985	52.90	119.00	94.90	155.00	151.00	345.00	297.00	66.60	53.30	36.10	38.10	46.40

OCT	NOV	DEC	JAN	FEB	MARCH
		TWENTY FIFTH PERCENTILE			
15.30	21.30	29.00	34.50	45.80	97.20
		FIFTIETH PERCENTILE			
22.90	30.30	61.10	64.70	88.40	153.00
		SEVENTY FIFTH PERCENTILE			
34.60	66.60	94.00	143.00	156.00	203.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
		TWENTY FIFTH PERCENTILE			
98.40	65.10	33.30	26.70	20.60	14.50
		FIFTIETH PERCENTILE			
173.00	107.00	53.20	34.80	26.80	22.50
		SEVENTY FIFTH PERCENTILE			
202.00	149.00	88.20	65.80	44.30	30.70



## 04099610 PRETTY LAKE INLET NEAR STROH, IN

LOCATION.--Lat 41°34'49", long 85°14'59", in SW¼NW¼ sec.15, T.36 N., R.11 E., Lagrange County, Hydrologic Unit 04050001, on left bank 400 ft upstream from mouth, 2.6 mi west of Stroh.

DRAINAGE AREA.--1.96 mi<sup>2</sup>, of which 1.32 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1963 to September 1980 (discontinued).

GAGE.--Water-stage recorder with steel V-notch weir, 0.5 ft<sup>3</sup>/s notch capacity. Datum of gage is 960.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 0.48 ft<sup>3</sup>/s, 3.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33 ft<sup>3</sup>/s Feb. 5, 1971, gage height, 9.30 ft; maximum gage height, 9.46 ft Feb. 4, 1971 (backwater from ice); no flow at times during 1963-65.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1964	172	73	21	7	6	9	8	5	3	21	4	6	10	5	7	3	4	2																		
1965	93	8	31	23	13	8	14	18	12	12	7	11	9	11	16	10	14	20	9	13	8	5														
1966		6	4	6	7	4	26	47	50	35	27	21	16	21	32	10	15	16	7	7	4		2	1					1							
1967						12	69	12	38	19	25	37	28	17	13	29	29	12	12	8	1	2	1			1										
1968						1	17	4	6	8	13	68	67	55	29	24	27	14	8	10	4	4	3	3	1											
1969									2	15	38	25	26	44	43	44	42	19	26	18	10	5	1	2	3	1		1								
1970									20	34	41	42	60	41	19	15	13	15	7	12	12	10	5	4	5	1	3	3	3							
1971			1	12	23	12	31	41	11	26	29	26	28	33	32	11	13	12	3	6	5	2	1	3	2				1		1					
1972	15	3	13	26	49	31	59	30	14	11	13	7	11	11	24	11	18	10	4	3	2		1													
1973										1	19	15	17	16	30	89	63	56	25	17	8	6	2	1												
1974									1	18	31	25	45	35	31	19	20	43	57	15	12	7	4	1	1											
1975										9	23	67	57	40	21	33	40	35	19	11	3	5	1	1												
1976						5	5	6	30	30	22	31	14	16	20	55	41	44	7	21	8	2	1	5	2			1								
1977							2	37	74	32	70	38	17	10	18	16	17	19	8	2			5													
1978		1	1		2	14	18	18	28	53	25	29	30	25	23	21	15	16	13	8	6	3	6	5	1	1	1	1		1						
1979						9	28	61	35	45	35	29	16	11	12	8	15	15	10	20	7	4	2	1								1				
1980						2	33	35	12	18	30	44	31	29	37	16	20	19	14	12	7	2	3	1				1								

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	280	6210	100.00	12	0.25	512	3335	53.70	24	3.8	16	44	0.71
1	0.01	91	5930	95.49	13	0.31	432	2823	45.46	25	4.8	8	28	0.45
2	0.02	71	5839	94.03	14	0.39	430	2391	38.50	26	6.1	6	20	0.32
3	0.03	74	5768	92.88	15	0.49	404	1961	31.58	27	7.6	6	14	0.23
4	0.04	100	5694	91.69	16	0.61	404	1557	25.07	28	9.6	5	8	0.13
5	0.05	94	5594	90.08	17	0.77	418	1153	18.57	29	12.0	2	3	0.05
6	0.06	235	5500	88.57	18	0.97	239	735	11.84	30	15.0	1	1	0.02
7	0.08	349	5265	84.78	19	1.2	199	496	7.99	31	19.0	0	0	0.00
8	0.10	269	4916	79.16	20	1.5	120	297	4.78	32				
9	0.12	433	4647	74.83	21	1.9	61	177	2.85	33				
10	0.16	380	4214	67.86	22	2.4	44	116	1.87	34				
11	0.20	499	3834	61.74	23	3.1	28	72	1.16					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.01  
P90 = 0.05  
P75 = 0.12  
P70 = 0.15  
P50 = 0.28  
P25 = 0.61  
P10 = 1.1

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04099610 PRETTY LAKE INLET NEAR STROH, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1965	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1	0.00 1
1966	0.01 4	0.01 3	0.01 3	0.02 3	0.03 2	0.04 2	0.06 4	0.11 5	0.13 4
1967	0.06 11	0.06 9	0.07 9	0.07 8	0.07 7	0.08 6	0.10 6	0.11 6	0.14 5
1968	0.07 13	0.07 13	0.08 10	0.08 9	0.08 8	0.08 7	0.10 7	0.11 7	0.17 6
1969	0.17 17	0.20 17	0.22 17	0.22 17	0.24 17	0.26 17	0.31 17	0.36 17	0.48 17
1970	0.12 15	0.14 15	0.14 14	0.15 14	0.17 14	0.22 15	0.26 15	0.30 16	0.29 14
1971	0.03 6	0.04 6	0.05 7	0.06 7	0.11 12	0.15 13	0.17 11	0.19 12	0.21 9
1972	0.00 2	0.00 2	0.00 2	0.00 2	0.03 3	0.04 3	0.04 2	0.04 2	0.06 2
1973	0.02 5	0.02 4	0.03 4	0.04 4	0.04 4	0.07 4	0.06 3	0.10 3	0.23 12
1974	0.11 14	0.12 14	0.14 15	0.16 15	0.17 15	0.18 14	0.20 14	0.24 13	0.34 16
1975	0.16 16	0.18 16	0.18 16	0.19 16	0.20 16	0.25 16	0.27 16	0.28 15	0.31 15
1976	0.05 7	0.05 7	0.07 8	0.08 10	0.10 10	0.13 10	0.16 9	0.18 9	0.22 11
1977	0.05 8	0.06 10	0.09 12	0.10 12	0.11 11	0.13 11	0.16 10	0.18 10	0.21 10
1978	0.01 3	0.02 5	0.05 5	0.05 5	0.06 5	0.08 8	0.18 12	0.19 11	0.20 8
1979	0.06 12	0.07 11	0.08 11	0.09 11	0.09 9	0.10 9	0.11 8	0.13 8	0.18 7
1980	0.05 9	0.05 8	0.05 6	0.05 6	0.06 6	0.07 5	0.08 5	0.10 4	0.13 3
1981	0.05 10	0.07 12	0.11 13	0.12 13	0.13 13	0.15 12	0.20 13	0.25 14	0.28 13

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1964	0.85 17	0.69 17	0.55 17	0.44 17	0.33 17	0.28 17	0.22 17	0.17 17	0.11 17
1965	2.30 16	2.00 15	1.70 15	1.40 12	1.10 14	1.00 13	0.88 12	0.75 13	0.52 15
1966	9.50 6	5.10 6	2.90 7	1.80 9	1.10 15	0.69 15	0.60 15	0.51 15	0.53 14
1967	5.00 9	3.70 10	2.30 11	1.40 13	1.19 11	0.99 14	0.85 14	0.77 12	0.70 10
1968	4.80 10	4.00 9	2.80 8	2.00 7	1.19 12	1.10 10	0.88 13	0.86 10	0.74 8
1969	11.00 4	7.40 4	5.00 4	3.40 3	2.40 3	1.70 3	1.40 3	1.40 2	1.19 2
1970	11.00 5	11.00 1	8.60 1	5.20 1	4.40 1	3.10 1	2.30 1	1.80 1	1.30 1
1971	16.00 1	9.80 2	5.10 3	3.00 4	2.30 4	1.50 4	1.10 7	0.93 6	0.70 9
1972	2.60 15	1.40 16	0.87 16	0.74 16	0.70 16	0.61 16	0.48 16	0.39 16	0.29 16
1973	3.50 12	2.30 14	1.90 12	1.70 10	1.40 9	1.10 11	0.99 8	0.93 7	0.89 5
1974	4.20 11	3.10 11	2.60 9	1.90 8	1.60 7	1.30 7	1.19 4	1.19 3	1.00 3
1975	3.30 13	2.50 12	1.70 13	1.40 14	1.19 13	1.00 12	0.98 9	0.91 8	0.78 7
1976	6.90 8	4.70 7	3.30 6	2.30 6	2.10 5	1.40 6	1.19 5	1.10 5	0.91 4
1977	3.00 14	2.30 13	1.70 14	1.40 15	1.30 10	1.10 8	0.91 11	0.74 14	0.55 13
1978	14.00 2	9.40 3	6.00 2	4.20 2	3.00 2	2.00 2	1.50 2	1.19 4	0.87 6
1979	13.00 3	7.20 5	4.30 5	2.70 5	2.00 6	1.50 5	1.19 6	0.91 9	0.69 11
1980	8.00 7	4.00 8	2.40 10	1.60 11	1.50 8	1.10 9	0.93 10	0.85 11	0.67 12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1965	0.17 2
1966	0.35 3
1967	0.39 5
1968	0.49 7
1969	0.72 16
1970	0.55 11
1971	0.90 17
1972	0.16 1
1973	0.53 10
1974	0.63 15
1975	0.57 12
1976	0.58 14
1977	0.50 8
1978	0.43 6
1979	0.52 9
1980	0.36 4
1981	0.57 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1964	0.06 17
1965	0.29 15
1966	0.34 14
1967	0.43 10
1968	0.59 6
1969	0.81 1
1970	0.78 2
1971	0.41 12
1972	0.20 16
1973	0.69 3
1974	0.67 4
1975	0.52 8
1976	0.59 5
1977	0.38 13
1978	0.54 7
1979	0.42 11
1980	0.44 9

04099610 PRETTY LAKE INLET NEAR STROH, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1963	*	*	*	*	*	*	*	*	*	0.04	0.08	0.01
1964	0.00	0.01	0.00	0.01	0.01	0.20	0.31	0.13	0.03	0.00	0.00	0.00
1965	0.00	0.00	0.00	0.22	0.33	0.98	1.06	0.47	0.07	0.03	0.20	0.18
1966	0.20	0.13	0.93	0.22	0.20	0.54	0.57	0.67	0.17	0.15	0.15	0.08
1967	0.08	0.26	0.87	0.32	0.53	0.89	0.99	0.59	0.25	0.15	0.09	0.09
1968	0.12	0.31	1.07	0.56	1.00	0.72	0.58	0.48	0.87	0.50	0.53	0.30
1969	0.24	0.59	0.84	1.65	1.41	0.73	1.43	1.15	0.67	0.51	0.31	0.20
1970	0.29	0.48	0.25	0.26	0.30	0.74	2.39	3.59	0.33	0.32	0.17	0.16
1971	0.19	0.30	0.32	0.15	2.33	0.69	0.41	0.36	0.15	0.09	0.05	0.04
1972	0.04	0.05	0.14	0.12	0.07	0.39	0.55	0.48	0.06	0.10	0.04	0.41
1973	0.38	0.93	0.75	0.84	0.51	1.30	0.94	0.68	0.68	0.58	0.44	0.22
1974	0.18	0.26	0.52	0.78	0.72	1.54	1.10	1.03	0.88	0.41	0.32	0.31
1975	0.20	0.32	0.34	0.56	0.73	0.69	1.16	0.81	0.74	0.25	0.24	0.19
1976	0.11	0.23	0.46	0.16	1.28	1.43	0.66	0.71	0.60	0.61	0.59	0.27
1977	0.28	0.21	0.22	0.11	0.42	1.25	0.82	0.40	0.17	0.21	0.15	0.28
1978	0.22	0.16	0.53	0.12	0.08	2.00	1.64	0.63	0.37	0.39	0.15	0.12
1979	0.09	0.15	0.28	0.31	0.12	2.00	0.89	0.53	0.16	0.22	0.17	0.06
1980	0.07	0.13	0.43	0.28	0.35	1.02	1.00	0.47	0.64	0.24	0.40	0.29
1981	0.13	0.18	0.54	0.24	1.96	0.90	5.95	1.14	3.67	1.14	0.88	2.68
1982	*	*	0.73	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.08	0.13	0.25	0.14	0.18	0.69
FIFTIETH PERCENTILE					
0.16	0.22	0.46	0.25	0.47	0.90
SEVENTY FIFTH PERCENTILE					
0.23	0.31	0.75	0.56	1.07	1.33
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
0.58	0.47	0.16	0.10	0.09	0.08
FIFTIETH PERCENTILE					
0.97	0.61	0.35	0.24	0.17	0.19
SEVENTY FIFTH PERCENTILE					
1.23	0.87	0.70	0.50	0.40	0.29

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04099750 PIGEON RIVER NEAR SCOTT, IN

LOCATION.--Lat 41°44'56", long 85°34'35", in SE¼NW¼ sec.14, T.38 N., R.8 E., Lagrange County, Hydrologic Unit 04050001, on right bank 20 ft downstream from bridge on County Road 750 North, 1,200 ft downstream from Page ditch, 0.7 mi south of Indiana-Michigan State line, and 1.2 mi northwest of Scott.

DRAINAGE AREA.--361 mi<sup>2</sup>, of which 53.9 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1968 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 815.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--17 years, 368 ft<sup>3</sup>/s, 13.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,370 ft<sup>3</sup>/s Mar. 21, 1982, gage height, 7.85 ft; minimum daily, 42 ft<sup>3</sup>/s Oct. 21, 1971.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969											1	27	23	22	30	10	16	27	33	25	31	25	20	21	17	11	10	5	8	2	1					
1970										14	10	21	35	64	52	33	24	31	15	9	6	3	16	13	11	7	1									
1971				3	8	20	14	15	28	10	13	17	27	43	35	23	24	22	5	8	11	10	16	5	6	1		1								
1972	1			2	11	39	23	39	30	46	30	25	13	10	10	10	13	17	18	27	11	1														
1973										6	10	7	19	16	16	37	37	32	55	42	34	21	25	7	1											
1974									26	15	54	28	15	19	19	6	17	18	16	21	15	19	31	15	10	14	7									
1975								1	28	2	17	24	19	44	24	17	26	20	34	35	11	27	26	10												
1976									4	18	11	42	27	43	20	14	20	32	29	38	14	8	8	2	3	4	2	13	8	4	2					
1977								5	9	10	78	81	32	24	21	8	10	8	4	24	8	6	13	8	15	1										
1978									2	6	29	14	33	49	41	43	28	19	10	23	14	8	10	4	2	3	1	5	10	11						
1979									18	20	67	39	36	37	31	18	14	7	4	9	15	14	10	13	5	5	1	2								
1980									13	12	18	14	19	34	33	43	52	37	12	19	18	7	6	7	16	6										
1981													34	20	37	27	10	27	30	12	28	20	21	19	22	14	9	11	9	4	6	3	2			
1982												2	18	19	10	10	10	28	47	50	49	22	28	14	7	9	4	9	7	1	3	5	4	7	2	
1983									16	9	29	19	26	14	8	6	35	44	23	19	28	24	13	23	6	10	4	7	2							
1984								6	8	14	25	42	26	49	15	30	19	16	12	15	11	17	13	13	18	11	6									
1985										1	9	25	18	36	42	41	32	27	15	19	11	11	11	8	6	5	5	12	3	12	7	9				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	160.0	495	5246	84.49	24	690.0	190	633	10.19
1	42.0	1	6209	100.00	13	180.0	435	4751	76.52	25	780.0	135	443	7.13
2	47.0	0	6208	99.98	14	200.0	553	4316	69.51	26	880.0	85	308	4.96
3	54.0	0	6208	99.98	15	230.0	395	3763	60.61	27	990.0	51	223	3.59
4	61.0	3	6208	99.98	16	260.0	335	3368	54.24	28	1100.0	64	172	2.77
5	68.0	10	6205	99.94	17	290.0	440	3033	48.85	29	1300.0	30	108	1.74
6	77.0	31	6195	99.77	18	330.0	429	2593	41.76	30	1400.0	37	78	1.26
7	87.0	53	6164	99.28	19	380.0	310	2164	34.85	31	1600.0	17	41	0.66
8	98.0	50	6111	98.42	20	420.0	426	1854	29.86	32	1800.0	15	24	0.39
9	110.0	205	6061	97.62	21	480.0	279	1428	23.00	33	2100.0	7	9	0.14
10	130.0	158	5856	94.31	22	540.0	271	1149	18.51	34	2300.0	2	2	0.03
11	140.0	452	5698	91.77	23	610.0	245	878	14.14					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 126.0  
P90 = 145.0  
P75 = 184.0  
P70 = 199.0  
P50 = 284.0  
P25 = 463.0  
P10 = 696.0

## 04099750 PIGEON RIVER NEAR SCOTT, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	118.00 9	134.00 11	145.00 11	151.00 12	154.00 12	161.00 12	168.00 10	193.00 11	202.00 8
1971	113.00 6	114.00 7	119.00 7	125.00 8	131.00 5	149.00 7	167.00 9	177.00 8	205.00 9
1972	42.00 1	63.00 1	69.00 1	74.00 1	79.00 1	85.00 1	89.00 1	93.00 1	105.00 1
1973	84.00 2	86.00 2	87.00 2	90.00 2	103.00 2	130.00 3	132.00 2	159.00 4	214.00 10
1974	142.00 13	144.00 13	147.00 12	149.00 11	153.00 11	159.00 11	169.00 11	185.00 10	232.00 11
1975	101.00 4	110.00 5	111.00 5	113.00 3	116.00 3	125.00 2	133.00 3	139.00 2	155.00 2
1976	120.00 11	138.00 12	148.00 13	157.00 14	162.00 13	172.00 13	196.00 14	212.00 13	258.00 13
1977	118.00 10	126.00 9	128.00 9	139.00 9	143.00 10	158.00 10	160.00 8	177.00 9	177.00 4
1978	102.00 5	105.00 4	107.00 4	122.00 5	140.00 8	149.00 8	154.00 5	164.00 6	187.00 6
1979	128.00 12	129.00 10	134.00 10	139.00 10	143.00 9	147.00 6	156.00 6	157.00 3	176.00 3
1980	114.00 7	114.00 6	116.00 6	122.00 6	127.00 4	138.00 4	159.00 7	173.00 7	186.00 5
1981	163.00 15	167.00 15	169.00 15	171.00 15	175.00 15	181.00 15	208.00 15	225.00 14	241.00 12
1982	271.00 16	276.00 16	293.00 16	302.00 16	322.00 16	345.00 16	364.00 16	394.00 16	427.00 16
1983	144.00 14	150.00 14	152.00 14	155.00 13	168.00 14	174.00 14	189.00 13	229.00 15	315.00 15
1984	115.00 8	117.00 8	120.00 8	124.00 7	132.00 6	140.00 5	150.00 4	160.00 5	202.00 7
1985	100.00 3	103.00 3	106.00 3	115.00 4	136.00 7	154.00 9	172.00 12	194.00 12	264.00 14

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	1400.00 6	1360.00 6	1300.00 6	1190.00 6	969.00 6	774.00 8	656.00 7	666.00 6	612.00 4
1970	949.00 13	862.00 15	816.00 13	742.00 13	699.00 13	633.00 13	532.00 15	464.00 15	383.00 14
1971	1130.00 9	967.00 11	763.00 15	740.00 14	678.00 14	611.00 14	506.00 16	436.00 16	382.00 15
1972	548.00 17	521.00 17	484.00 17	469.00 17	465.00 17	426.00 17	388.00 17	331.00 17	278.00 17
1973	914.00 15	864.00 14	795.00 14	729.00 15	666.00 15	596.00 15	576.00 11	541.00 10	534.00 9
1974	1080.00 10	1070.00 10	1050.00 8	984.00 8	848.00 8	778.00 6	727.00 6	670.00 4	574.00 5
1975	763.00 16	724.00 16	710.00 16	670.00 16	623.00 16	580.00 16	555.00 14	525.00 11	471.00 11
1976	1650.00 4	1600.00 4	1510.00 4	1360.00 5	1280.00 4	951.00 3	775.00 4	666.00 5	553.00 7
1977	926.00 14	872.00 13	845.00 12	780.00 12	750.00 10	653.00 11	568.00 12	472.00 14	379.00 16
1978	1530.00 5	1510.00 5	1460.00 5	1430.00 4	1310.00 3	934.00 4	744.00 5	632.00 7	535.00 8
1979	1270.00 8	1150.00 8	1040.00 9	897.00 9	730.00 12	685.00 10	589.00 10	495.00 13	397.00 13
1980	966.00 12	942.00 12	915.00 11	875.00 11	827.00 9	643.00 12	568.00 13	513.00 12	443.00 12
1981	1920.00 3	1800.00 3	1570.00 3	1460.00 3	1160.00 5	922.00 5	809.00 3	768.00 3	693.00 3
1982	2340.00 1	2310.00 1	2250.00 1	2080.00 1	1710.00 1	1250.00 2	1010.00 1	889.00 1	738.00 1
1983	1310.00 7	1290.00 7	1270.00 7	1090.00 7	913.00 7	777.00 7	646.00 9	569.00 9	568.00 6
1984	1080.00 11	1070.00 9	1020.00 10	892.00 10	744.00 11	711.00 9	649.00 8	616.00 8	507.00 10
1985	2080.00 2	1990.00 2	1920.00 2	1800.00 2	1390.00 2	1270.00 1	976.00 2	887.00 2	733.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	316.00 6
1971	350.00 8
1972	169.00 1
1973	355.00 10
1974	413.00 12
1975	291.00 2
1976	440.00 13
1977	296.00 3
1978	310.00 5
1979	334.00 7
1980	301.00 4
1981	351.00 9
1982	620.00 16
1983	444.00 14
1984	375.00 11
1985	480.00 15

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	431.00 4
1970	288.00 13
1971	265.00 16
1972	207.00 17
1973	431.00 5
1974	373.00 9
1975	337.00 11
1976	390.00 7
1977	275.00 15
1978	377.00 8
1979	287.00 14
1980	335.00 12
1981	490.00 2
1982	529.00 1
1983	409.00 6
1984	353.00 10
1985	485.00 3

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04099750 PIGEON RIVER NEAR SCOTT, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1968	*	*	*	*	*	*	*	*	419.00	423.00	383.00	255.00
1969	192.00	296.00	464.00	674.00	836.00	365.00	707.00	644.00	388.00	281.00	208.00	154.00
1970	173.00	243.00	236.00	200.00	253.00	311.00	688.00	572.00	267.00	200.00	159.00	153.00
1971	202.00	253.00	314.00	216.00	604.00	593.00	324.00	233.00	169.00	118.00	96.10	85.80
1972	96.30	96.70	157.00	198.00	143.00	315.00	402.00	417.00	173.00	151.00	121.00	205.00
1973	264.00	485.00	476.00	585.00	405.00	575.00	581.00	441.00	543.00	359.00	275.00	183.00
1974	161.00	168.00	279.00	497.00	668.00	816.00	576.00	526.00	347.00	181.00	147.00	135.00
1975	117.00	168.00	186.00	313.00	354.00	449.00	509.00	531.00	613.00	308.00	260.00	242.00
1976	165.00	189.00	438.00	261.00	720.00	1053.0	442.00	405.00	268.00	332.00	264.00	145.00
1977	171.00	176.00	235.00	173.00	215.00	707.00	581.00	348.00	166.00	163.00	147.00	214.00
1978	234.00	202.00	451.00	309.00	264.00	640.00	1089.0	452.00	273.00	283.00	152.00	173.00
1979	150.00	158.00	214.00	214.00	156.00	688.00	651.00	407.00	208.00	175.00	248.00	164.00
1980	133.00	194.00	326.00	335.00	251.00	516.00	732.00	350.00	418.00	203.00	271.00	300.00
1981	191.00	175.00	308.00	226.00	533.00	529.00	473.00	654.00	1103.0	654.00	516.00	538.00
1982	456.00	368.00	335.00	468.00	474.00	1389.0	1070.0	507.00	506.00	369.00	222.00	180.00
1983	169.00	465.00	719.00	422.00	352.00	352.00	729.00	811.00	329.00	250.00	169.00	136.00
1984	157.00	199.00	413.00	227.00	489.00	598.00	728.00	515.00	387.00	191.00	147.00	196.00
1985	280.00	466.00	420.00	649.00	581.00	1209.0	1074.0	321.00	244.00	181.00	192.00	219.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
154.00	172.00	236.00	215.00	252.00	407.00
FIFTIETH PERCENTILE					
171.00	199.00	326.00	309.00	405.00	593.00
SEVENTY FIFTH PERCENTILE					
218.00	332.00	445.00	483.00	593.00	762.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
491.00	378.00	235.00	180.00	147.00	151.00
FIFTIETH PERCENTILE					
651.00	452.00	338.00	227.00	200.00	182.00
SEVENTY FIFTH PERCENTILE					
731.00	552.00	441.00	339.00	266.00	225.00

## 04099808 LITTLE ELKHART RIVER AT MIDDLEBURY, IN

LOCATION.--Lat 41°40'31", long 85°42'01", in NE¼SE¼ sec.10, T.37 N., R.7 E., Elkhart County, Hydrologic Unit 04050001, on left bank 15 ft downstream from bridge on County Road 16, 0.1 mi east of Middlebury, and 1.7 mi downstream from Rowe Eden ditch.

DRAINAGE AREA.--97.6 mi<sup>2</sup>, of which 5.89 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1979 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 810.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--6 years, 105.5 ft<sup>3</sup>/s, 14.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,470 ft<sup>3</sup>/s, Feb. 24, 1985, gage height, 10.52 ft; minimum daily, 32 ft<sup>3</sup>/s Aug. 30, 31, 1984.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1980		3	11	31	43	57	40	31	33	33	15	16	4	9	16	5	6	4	5	1	1	1		1												
1981		2	17	29	26	31	24	22	35	22	22	35	12	20	13	9	8	9	7	5	2	4		5		1	1	1	1		1	1				
1982			19	24	15	18	40	45	48	34	39	14	14	7	5	10	10	5	1	6	1	1		1		2		2				2	1	1	1	
1983			10	54	20	15	16	23	35	46	17	37	20	20	17	11	5	6	4		5	1		2					1							
1984		8	11	29	45	56	30	30	26	12	31	9	12	10	8		9	3	3	2			1		1											
1985				23	53	25	33	38	36	20	29	18	19	12	8	6	10	6	6	3	5	2	2	2	2	2	2	2		3				1	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2192	100.00	12	120.0	77	494	22.54	24	480.0	5	28	1.28
1	32.0	13	2192	100.00	13	130.0	94	417	19.02	25	540.0	3	23	1.05
2	36.0	49	2179	99.41	14	150.0	75	323	14.74	26	610.0	5	20	0.91
3	40.0	162	2130	97.17	15	170.0	46	248	11.31	27	680.0	1	15	0.68
4	46.0	181	1968	89.78	16	190.0	35	202	9.22	28	770.0	2	14	0.64
5	51.0	227	1787	81.52	17	210.0	48	167	7.62	29	860.0	3	12	0.55
6	58.0	153	1560	71.17	18	240.0	30	119	5.43	30	970.0	3	9	0.41
7	65.0	179	1407	64.19	19	270.0	16	89	4.06	31	1100.0	1	6	0.27
8	73.0	216	1228	56.02	20	300.0	19	73	3.33	32	1200.0	2	5	0.23
9	82.0	211	1012	46.17	21	340.0	12	54	2.46	33	1400.0	2	3	0.14
10	92.0	120	801	36.54	22	380.0	4	42	1.92	34	1600.0	1	1	0.05
11	100.0	187	681	31.07	23	430.0	10	38	1.73					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 41.8  
P90 = 45.8  
P75 = 55.4  
P70 = 59.2  
P50 = 78.5  
P25 = 114.0  
P10 = 183.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1981	34.00 2	35.00 2	36.00 2	37.00 2	39.00 2	43.00 2	48.00 2	51.00 2	51.00 1
1982	60.00 5	61.00 5	62.00 5	69.00 5	74.00 5	82.00 5	82.00 5	84.00 5	91.00 5
1983	42.00 4	42.00 4	43.00 4	44.00 4	44.00 4	45.00 4	48.00 3	53.00 3	70.00 3
1984	37.00 3	37.00 3	38.00 3	39.00 3	41.00 3	42.00 1	45.00 1	47.00 1	55.00 2
1985	32.00 1	33.00 1	34.00 1	35.00 1	38.00 1	44.00 3	49.00 4	54.00 4	74.00 4

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1980	460.00 6	305.00 6	260.00 5	221.00 5	195.00 5	154.00 5	131.00 6	119.00 6	108.00 6
1981	1260.00 3	813.00 3	558.00 3	395.00 3	272.00 3	237.00 3	204.00 3	189.00 3	164.00 3
1982	1410.00 2	1210.00 2	995.00 1	680.00 1	453.00 1	311.00 2	247.00 2	211.00 2	170.00 2
1983	801.00 4	517.00 4	365.00 4	265.00 4	222.00 4	186.00 4	155.00 4	138.00 4	136.00 4
1984	519.00 5	361.00 5	253.00 6	198.00 6	155.00 6	148.00 6	140.00 5	131.00 5	112.00 5
1985	2040.00 1	1500.00 1	895.00 2	592.00 2	384.00 2	329.00 1	251.00 1	238.00 1	196.00 1

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04099808 LITTLE ELKHART RIVER AT MIDDLEBURY, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1981	76.00	1
1982	150.00	5
1983	99.00	3
1984	92.00	2
1985	130.00	4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1980	82.00	6
1981	116.00	3
1982	120.00	2
1983	99.00	4
1984	85.00	5
1985	131.00	1

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
	*	*	*	*	*	*	*	*	*	*	*	*
1979												
1980	48.20	76.70	104.00	79.20	75.20	130.00	167.00	72.80	70.40	42.80	52.50	65.70
1981	46.80	38.60	85.40	53.80	139.00	84.50	119.00	141.00	268.00	189.00	117.00	118.00
1982	93.10	83.70	79.50	94.10	90.80	404.00	199.00	115.00	108.00	73.00	54.50	45.40
1983	44.50	100.00	169.00	93.80	90.40	94.20	171.00	191.00	80.70	62.20	50.60	40.50
1984	47.10	53.80	97.40	59.10	124.00	127.00	151.00	111.00	100.00	55.20	42.40	52.50
1985	90.30	116.00	132.00	182.00	280.00	264.00	211.00	79.70	64.50	56.40	51.60	61.90



## 04099850 PINE CREEK NEAR ELKHART, IN

LOCATION.--Lat 41°40'53", long 85°52'57", in NE¼NW¼ sec.7, T.37 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, on right bank 50 ft upstream from bridge on County Road 14, 0.3 mi east of the intersection of County Roads 17 and 14, and 3.1 mi east oorectly

PERIOD OF RECORD.--October 1979 to September 1985.

GAGE.--Water stage recorder. Datum of gage is 755.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--6 years, 20.3 ft<sup>3</sup>/s, 8.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 577 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 7.45 ft; maximum gage height, 9.74 ft July 26, 1981; minimum daily discharge, 3.8 ft<sup>3</sup>/s July 26, 1980.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1980		5	3	8	16	32	49	35	18	36	55	30	18	12	12	15	5	9	5	3																
1981				2	3	40	42	24	5	35	24	25	36	27	21	21	14	13	14	5	2	2	1	2	1	1	4	1								
1982										9	44	63	53	44	53	31	12	12	15	9	5	5	1			2	1	1	1	1		2		1		
1983							3	30	5	48	19	33	65	48	30	26	15	13	14	5	1	3	4	1		1										
1984					12	34	56	28	57	34	25	38	26	11	13	7	4	8	2	3	5		1	1	1											
1985						1	35	16	44	50	56	42	31	17	20	9	9	11	6	4	4	2				3	2	1				1			1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	2192	100.00	12	17.0	252	1003	45.76	24	90.0	2	28	1.28
1	3.8	5	2192	100.00	13	20.0	188	751	34.26	25	100.0	8	26	1.19
2	4.4	3	2187	99.77	14	23.0	144	563	25.68	26	120.0	7	18	0.82
3	5.0	10	2184	99.64	15	26.0	126	419	19.11	27	140.0	4	11	0.50
4	5.7	19	2174	99.18	16	30.0	62	293	13.37	28	160.0	1	7	0.32
5	6.6	84	2155	98.31	17	34.0	60	231	10.54	29	180.0	1	6	0.27
6	7.6	129	2071	94.48	18	39.0	67	171	7.80	30	200.0	0	5	0.23
7	8.7	180	1942	88.59	19	45.0	30	104	4.74	31	230.0	1	5	0.23
8	9.9	72	1762	80.38	20	52.0	15	74	3.38	32	270.0	2	4	0.18
9	11.0	229	1690	77.10	21	59.0	19	59	2.69	33	310.0	0	2	0.09
10	13.0	226	1461	66.65	22	68.0	8	40	1.82	34	350.0	2	2	0.09
11	15.0	232	1235	56.34	23	78.0	4	32	1.46					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	7.5
P90 =	8.4
P75 =	11.4
P70 =	12.4
P50 =	16.2
P25 =	23.3
P10 =	35.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1981	3.80 1	4.10 1	4.80 1	5.60 1	6.00 1	6.90 1	8.80 1	8.60 1	9.20 1
1982	11.00 4	11.00 4	11.00 4	12.00 4	15.00 5	17.00 5	17.00 5	18.00 5	19.00 4
1983	11.00 5	11.00 5	12.00 5	12.00 5	12.00 4	12.00 4	13.00 4	15.00 4	19.00 5
1984	7.20 3	7.20 2	7.30 2	7.60 2	8.20 2	8.70 2	8.90 2	9.60 2	11.00 2
1985	7.10 2	7.30 3	7.60 3	8.00 3	8.70 3	9.90 3	11.00 3	12.00 3	14.00 3

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1980	49.00 6	42.00 6	35.00 6	31.00 6	30.00 6	24.00 6	21.00 6	20.00 6	18.00 6
1981	156.00 4	142.00 3	106.00 3	67.00 3	44.00 4	42.00 3	36.00 3	33.00 3	28.00 4
1982	354.00 2	266.00 1	214.00 1	140.00 1	92.00 1	52.00 1	46.00 1	46.00 1	37.00 1
1983	157.00 3	97.00 4	71.00 4	54.00 4	45.00 3	40.00 4	34.00 4	30.00 4	29.00 3
1984	111.00 5	69.00 5	51.00 5	42.00 5	31.00 5	27.00 5	26.00 5	25.00 5	22.00 5
1985	436.00 1	265.00 2	147.00 2	97.00 2	64.00 2	54.00 2	43.00 2	39.00 2	32.00 2

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04099850 PINE CREEK NEAR ELKHART, IN--Continued

ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1981	13.00	1
1982	29.00	5
1983	23.00	4
1984	18.00	2
1985	23.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1980	14.00	6
1981	20.00	4
1982	27.00	1
1983	22.00	3
1984	16.00	5
1985	23.00	2

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1980	8.19	12.30	16.90	11.80	11.70	21.90	25.00	13.70	16.60	7.20	6.84	12.90
1981	8.01	7.39	13.40	8.23	24.80	14.40	16.30	23.50	39.70	39.20	25.50	23.70
1982	17.80	18.80	16.60	22.00	21.70	82.30	38.40	28.80	27.20	23.50	15.70	12.90
1983	12.00	21.50	33.50	19.10	19.90	21.10	37.10	40.60	18.90	15.00	11.80	9.13
1984	8.51	9.72	16.90	9.98	21.90	21.80	29.60	22.60	23.80	12.10	11.40	10.20
1985	15.80	15.80	20.60	27.10	47.60	41.10	37.30	19.80	14.70	11.20	10.50	11.70

## 04100000 CHRISTIANA CREEK AT ELKHART, IN

LOCATION.--Lat 41°41'45", long 85°58'35", in NE¼ sec.5, T.37 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on right bank at Elkhart Water Works pumping plant, 0.4 mi upstream from mouth.

DRAINAGE AREA.--119 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1946 to June 1952 (discontinued).

GAGE.--Staff gage. Datum of gage is 730.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, wire-weight gage at site 700 ft downstream at same datum.

REMARKS.--Water is diverted down an old millrace about a 0.25 mi upstream, entering into St. Joseph River about 1 mi downstream. Diurnal fluctuation caused by small powerplant about 6 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 452 ft<sup>3</sup>/s Apr. 8, 1947, gage height, 2.19 ft, site then in use; minimum, 37 ft<sup>3</sup>/s Aug. 26, 1949.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1948			3	14	11	5	9	38	32	29	32	16	11	5	56	33	12	14	19	3	4	8	1	3	2	1	1	1	2	1					
1949		1	4	7	13	20	18	31	15	22	22	16	27	11	31	26	30	9	15	7	9	21	1	2	4	3									
1950					5	2	6	15	9	25	28	19	2	8	14	7	5	13	14	29	47	16	17	28	14	8	13	8	7	1	2	1	2		
1951									2	8	22	31	17	54	33	45	34	39	18	17	28	9	4	4											

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1461	100.00	12	89.0	88	981	67.15	24	210.0	38	103	7.05
1	40.0	1	1461	100.00	13	96.0	35	893	61.12	25	230.0	18	65	4.45
2	43.0	7	1460	99.93	14	100.0	149	858	58.73	26	250.0	9	47	3.22
3	46.0	21	1453	99.45	15	110.0	106	709	48.53	27	270.0	14	38	2.60
4	50.0	24	1432	98.02	16	120.0	94	603	41.27	28	290.0	10	24	1.64
5	54.0	30	1408	96.37	17	130.0	62	509	34.84	29	310.0	8	14	0.96
6	58.0	29	1378	94.32	18	140.0	86	447	30.60	30	330.0	1	6	0.41
7	62.0	75	1349	92.33	19	150.0	42	361	24.71	31	360.0	2	5	0.34
8	67.0	62	1274	87.20	20	160.0	59	319	21.83	32	380.0	1	3	0.21
9	72.0	62	1212	82.96	21	170.0	104	260	17.80	33	410.0	2	2	0.14
10	77.0	87	1150	78.71	22	190.0	27	156	10.68	34	440.0	0	0	0.00
11	83.0	82	1063	72.76	23	200.0	26	129	8.83					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	56.7
P90 =	64.3
P75 =	80.7
P70 =	85.9
P50 =	109.0
P25 =	150.0
P10 =	194.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	57.00 3	59.00 3	62.00 3	66.00 3	73.00 3	86.00 3	96.00 4	96.00 3	99.00 3
1949	45.00 2	45.00 2	48.00 2	49.00 1	49.00 1	55.00 1	58.00 1	63.00 1	68.00 1
1950	40.00 1	44.00 1	46.00 1	49.00 2	51.00 2	55.00 2	61.00 2	65.00 2	74.00 2
1951	73.00 4	76.00 4	80.00 4	81.00 4	82.00 4	98.00 4	95.00 3	98.00 4	114.00 4
1952	74.00 5	80.00 5	82.00 5	87.00 5	90.00 5	98.00 5	102.00 5	106.00 5	119.00 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	320.00 2	305.00 2	277.00 2	223.00 2	182.00 2	156.00 4	147.00 4	131.00 4	123.00 4
1949	232.00 3	231.00 3	225.00 3	206.00 3	177.00 3	163.00 2	151.00 3	140.00 3	129.00 3
1950	416.00 1	407.00 1	378.00 1	320.00 1	294.00 1	272.00 1	249.00 1	239.00 1	215.00 1
1951	224.00 4	218.00 4	204.00 4	178.00 4	164.00 4	158.00 3	155.00 2	152.00 2	149.00 2

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04100000 CHRISTIANA CREEK AT ELKHART, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	142.00	3
1949	99.00	1
1950	115.00	2
1951	155.00	5
1952	145.00	4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	97.00	4
1949	100.00	3
1950	161.00	1
1951	127.00	2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	*	*	*	*	*	*	299.00	223.00	199.00	123.00	79.10	139.00
1948	75.90	96.70	117.00	97.10	88.90	172.00	129.00	127.00	68.40	79.20	59.00	53.60
1949	62.80	84.20	93.40	136.00	172.00	132.00	120.00	107.00	114.00	72.90	53.20	61.90
1950	82.50	69.20	133.00	182.00	157.00	224.00	292.00	216.00	218.00	157.00	92.10	106.00
1951	95.00	103.00	137.00	154.00	146.00	141.00	158.00	157.00	128.00	110.00	104.00	92.50
1952	137.00	163.00	148.00	206.00	170.00	164.00	*	*	*	*	*	*

## 04100222 NORTH BRANCH ELKHART RIVER AT COSPERVILLE, IN

LOCATION.--Lat 41°28'54", long 85°28'32", in NE¼NW¼ sec.22, T.35 N., R.9 E., Noble County, Hydrologic Unit 04050001, on right bank at downstream side of bridge on County Road 900 North at Cosperville, 1,300 ft downstream from Boyd ditch, 1.7 mi upstream from Hustin ditch, and 3.1 mi downstream from Waldron Lake.

DRAINAGE AREA.--142 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1971 to September 1985. October 1950 to September 1971 at site 3.1 mi upstream, published as North Branch Elkhart River near Cosperville. Records may not be equivalent.

GAGE.--Water-stage recorder. Datum of gage is 880.12 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

REMARKS.--Flow regulated at times by dam at Waldron Lake.

AVERAGE DISCHARGE.--14 years, 141 ft<sup>3</sup>/s, 13.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 919 ft<sup>3</sup>/s Mar. 23, 1982, gage height, 8.12 ft; minimum daily, 2.4 ft<sup>3</sup>/s Nov. 21, 1971.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1972		3	5	1		1	1		1	10	14	5	8	21	19	30	32	39	29	29	9	14	5	14	12	20	22	16	6							
1973															7	8	10	14	22	9	10	10	5	7	34	53	54	50	47	25						
1974											6	6	25	9	29	23	15	10	23	16	8	20	29	23	21	16	25	15	12	7	6					
1975											3	11	16	24	31	10	21	21	11	16	16	34	17	18	44	37	21	11	3							
1976											1	10	11	1	9	20	21	30	47	18	23	39	25	23	27	12	8	7	4	13	10	7				
1977										1	1	1	3	4	4	36	72	59	39	24	18	18	6	18	10	6	8	6	31							
1978		1		2		2	2	5	3	3	2	8	15	12	8	12	8	17	40	22	37	25	25	25	23	21	10	4	4	4	13	12				
1979									1	1	7	9	11	13	24	61	63	27	21	24	10	4	6	15	23	15	14	5	11							
1980																5	9	46	32	37	50	47	40	35	13	9	17	26								
1981																1		8	22	27	48	44	24	22	32	24	33	15	28	25	7	5				
1982													7	14	8	2	7	7	7	17	39	50	48	46	50	8	8	5	17	4	5	5	9	2		
1983							1	4	4	4	8	4	4	6	8	24	18	15	14	7	6	12	40	32	22	37	18	39	24	11	7					
1984													1	6	4	17	9	13	13	24	36	65	33	27	32	20	26	21	19							
1985											1	10	2	8	13	9	20	26	19	29	43	28	26	27	11	11	14	9	12	9	8	13	17			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5114	100.00	12	17.0	95	4982	97.42	24	150.0	382	1761	34.43
1	2.4	3	5114	100.00	13	21.0	106	4887	95.56	25	180.0	350	1379	26.97
2	2.9	6	5111	99.94	14	25.0	158	4781	93.49	26	220.0	270	1029	20.12
3	3.4	1	5105	99.82	15	30.0	222	4623	90.40	27	260.0	253	759	14.84
4	4.1	2	5104	99.80	16	36.0	287	4401	86.06	28	310.0	226	506	9.89
5	4.9	1	5102	99.77	17	43.0	316	4114	80.45	29	370.0	130	280	5.48
6	5.9	3	5101	99.75	18	51.0	343	3798	74.27	30	440.0	48	150	2.93
7	7.1	3	5098	99.69	19	61.0	289	3455	67.56	31	530.0	44	102	1.99
8	8.5	10	5095	99.63	20	73.0	303	3166	61.91	32	640.0	30	58	1.13
9	10.0	19	5085	99.43	21	88.0	435	2863	55.98	33	760.0	26	28	0.55
10	12.0	37	5066	99.06	22	110.0	338	2428	47.48	34	910.0	2	2	0.04
11	15.0	47	5029	98.34	23	130.0	329	2090	40.87					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 22.1  
P90 = 30.5  
P75 = 50.1  
P70 = 57.4  
P50 = 103.0  
P25 = 192.0  
P10 = 309.0

## 04100222 NORTH BRANCH ELKHART RIVER AT COSPERVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1973	12.00 5	13.00 5	15.00 3	20.00 6	31.00 8	39.00 8	38.00 7	60.00 9	116.00 12
1974	18.00 9	18.00 8	19.00 7	20.00 7	25.00 5	27.00 5	32.00 5	40.00 5	51.00 5
1975	12.00 6	13.00 6	15.00 4	15.00 3	17.00 3	20.00 1	23.00 1	28.00 1	43.00 1
1976	14.00 7	15.00 7	15.00 5	16.00 4	19.00 4	23.00 4	26.00 2	31.00 2	51.00 6
1977	18.00 8	19.00 9	22.00 8	30.00 9	32.00 9	39.00 9	40.00 8	43.00 7	43.00 2
1978	10.00 3	12.00 3	22.00 9	31.00 10	36.00 10	44.00 10	53.00 10	52.00 8	61.00 7
1979	3.00 1	4.90 1	6.00 1	11.00 1	13.00 1	21.00 2	29.00 4	41.00 6	47.00 3
1980	11.00 4	13.00 4	16.00 6	20.00 5	29.00 7	34.00 6	35.00 6	39.00 4	51.00 4
1981	38.00 13	39.00 12	43.00 12	45.00 12	54.00 12	75.00 12	84.00 12	83.00 12	98.00 10
1982	35.00 12	46.00 13	57.00 13	68.00 13	88.00 13	97.00 13	104.00 13	120.00 13	121.00 13
1983	22.00 10	22.00 10	23.00 10	25.00 8	28.00 6	35.00 7	43.00 9	71.00 10	106.00 11
1984	7.80 2	8.50 2	9.60 2	11.00 2	15.00 2	23.00 3	28.00 3	36.00 3	61.00 8
1985	29.00 11	30.00 11	32.00 11	40.00 11	51.00 11	74.00 11	77.00 11	76.00 11	92.00 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1972	326.00 13	323.00 13	315.00 13	289.00 13	259.00 13	213.00 13	186.00 14	153.00 14	119.00 14
1973	422.00 8	419.00 8	408.00 9	380.00 9	345.00 7	321.00 7	296.00 6	276.00 6	281.00 2
1974	569.00 5	568.00 5	553.00 5	509.00 5	418.00 5	353.00 5	322.00 5	279.00 4	230.00 6
1975	321.00 14	319.00 14	307.00 14	286.00 14	238.00 14	196.00 14	194.00 13	185.00 12	171.00 11
1976	585.00 4	580.00 4	562.00 4	515.00 4	465.00 4	353.00 6	275.00 7	231.00 7	187.00 8
1977	366.00 10	362.00 10	359.00 10	344.00 10	342.00 8	279.00 9	227.00 12	182.00 13	139.00 13
1978	677.00 3	671.00 3	656.00 3	651.00 3	602.00 3	427.00 3	337.00 3	279.00 5	240.00 5
1979	417.00 9	416.00 9	411.00 8	386.00 8	332.00 10	274.00 10	234.00 9	191.00 11	142.00 12
1980	344.00 12	342.00 12	334.00 12	327.00 12	313.00 11	251.00 11	229.00 11	209.00 10	174.00 10
1981	566.00 6	561.00 6	543.00 6	498.00 6	416.00 6	362.00 4	326.00 4	292.00 3	263.00 4
1982	916.00 1	908.00 1	883.00 1	824.00 1	666.00 1	492.00 2	390.00 2	338.00 2	272.00 3
1983	474.00 7	472.00 7	461.00 7	410.00 7	336.00 9	297.00 8	257.00 8	226.00 8	229.00 7
1984	354.00 11	354.00 11	352.00 11	342.00 11	280.00 12	247.00 12	230.00 10	219.00 9	185.00 9
1985	831.00 2	826.00 2	808.00 2	770.00 2	613.00 2	593.00 1	445.00 1	402.00 1	313.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1973	189.00 12
1974	163.00 9
1975	99.00 2
1976	133.00 7
1977	97.00 1
1978	122.00 4
1979	123.00 5
1980	101.00 3
1981	141.00 8
1982	215.00 13
1983	174.00 10
1984	132.00 6
1985	185.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1972	86.00 14
1973	207.00 1
1974	137.00 7
1975	106.00 11
1976	123.00 10
1977	94.00 13
1978	149.00 6
1979	95.00 12
1980	132.00 9
1981	178.00 4
1982	186.00 3
1983	155.00 5
1984	133.00 8
1985	195.00 2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1972	20.90	17.80	46.50	61.50	43.20	122.00	213.00	207.00	57.30	45.50	33.90	161.00
1973	197.00	314.00	274.00	293.00	196.00	282.00	323.00	196.00	243.00	70.40	65.60	37.50
1974	25.10	38.00	84.80	213.00	268.00	406.00	211.00	162.00	108.00	83.00	30.70	22.10
1975	17.80	42.50	59.60	122.00	148.00	183.00	190.00	170.00	198.00	83.90	31.50	25.20
1976	24.60	51.70	120.00	61.50	244.00	406.00	143.00	119.00	75.80	95.70	105.00	31.80
1977	46.20	47.70	46.60	42.20	77.40	325.00	210.00	103.00	38.70	74.50	44.90	64.90
1978	75.10	103.00	211.00	124.00	118.00	289.00	499.00	199.00	72.30	41.40	18.30	39.00
1979	88.70	41.00	53.10	54.30	46.60	316.00	224.00	152.00	45.50	36.70	42.20	34.40
1980	78.70	69.40	105.00	124.00	78.20	216.00	272.00	120.00	218.00	66.10	107.00	130.00
1981	117.00	54.30	114.00	82.20	191.00	228.00	179.00	324.00	401.00	211.00	130.00	110.00
1982	100.00	159.00	128.00	126.00	160.00	542.00	413.00	179.00	177.00	162.00	57.00	33.30
1983	40.60	234.00	333.00	195.00	132.00	138.00	237.00	313.00	114.00	74.70	28.40	22.90
1984	35.80	100.00	168.00	94.80	170.00	229.00	234.00	188.00	143.00	51.60	111.00	71.10
1985	78.10	135.00	149.00	274.00	235.00	553.00	530.00	96.70	61.10	34.50	41.70	158.00

## 04100222 NORTH BRANCH ELKHART RIVER AT COSPERVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
25.00	42.10	58.00	61.50	78.00	208.00
FIFTIETH PERCENTILE					
60.60	61.80	117.00	123.00	154.00	286.00
SEVENTY FIFTH PERCENTILE					
91.50	141.00	179.00	200.00	206.00	406.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
205.00	120.00	60.10	44.50	31.30	30.10
FIFTIETH PERCENTILE					
229.00	175.00	111.00	72.40	43.50	38.20
SEVENTY FIFTH PERCENTILE					
346.00	201.00	203.00	86.80	106.00	115.00

## 04100252 FORKER CREEK NEAR BURR OAK, IN

LOCATION.--Lat 41°19'58", long 85°25'25", in SE¼NE¼ sec.12, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001, on right bank 300 ft downstream from bridge on State Highway 9, 400 ft downstream from Miller Lake Outlet, 0.8 mi northeast of Burr Oak, and 4.5 mi south of Albion.

DRAINAGE AREA.--19.2 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 889.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

REMARKS.--Occasional regulation at Miller Lake Outlet.

AVERAGE DISCHARGE.--16 years, 17.9 ft<sup>3</sup>/s, 12.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 480 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 7.00 ft; minimum daily, 0.13 ft<sup>3</sup>/s Sept. 10, 1972.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft<sup>3</sup>/s Mar. 31, 1985, gage height, 5.52 ft; minimum daily, 0.82 ft<sup>3</sup>/s Oct. 8, 1978.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
1970							10	19	29	14	4	17	NUMBER OF DAYS IN CLASS										15	12	22	16	13	23	18	14	18	6	5	2	1				
1971			22	31	22	3	5	6	1	9	5	1	11	9	10	31	25	25	31	35	24	14	10	11	5	10	2	5	2										
1972		1	1	24	18	28	2	2	10	10	9	4	10	12	20	31	23	16	28	23	14	27	14	17	3	8	9	2											
1973							8	7	2	3	5	5	11	15	7	5	2	2	21	22	58	58	29	34	32	21	11	5	2										
1974						10	9	44	24	19	24	3	4	2	3	2	7	18	27	26	30	29	15	18	8	8	12	9	7	7									
1975						15	10	9	1	6	12	23	22	20	18	11	22	16	24	11	36	23	17	19	24	12	13	1											
1976			2	21	12	10	14	12	7	12	10	29	12	18	28	32	28	25	12	10	18	16	8	5	5	4	5	8	1	2									
1977			3	1			15	15	38	25	19	32	22	26	8	12	20	17	15	3	10	18	12	19	14	12	7	2											
1978		3	14	13	5	5	2	5	7	4	5	2	3	6	6	14	55	30	22	30	12	25	22	12	12	9	11	12	10	5	1	3							
1979			12	12	12	14	11	6	6	10	30	27	31	29	22	14	16	15	7	8	23	21	9	8	6	7	4	2	1	2									
1980		5	3	11	1				1	3	7		17	14	34	33	26	38	26	19	22	23	19	17	19	15	5	3	5										
1981												10	17	17	17	26	59	43	22	11	15	16	24	18	9	13	15	10	8	5	5	3	2						
1982						2	12	6	8	8	1		4	7	20	19	40	40	29	34	22	30	23	22	13	7	8	1	2	2	4	1							
1983						2	43	7	5	18	5	10	10	10	12	8	6	8	41	38	24	17	22	20	14	21	17	11	3	2	1								
1984						23	3	15	16	16	7	20	9	25	17	24	31	19	25	15	14	14	17	11	16	9	6	8	5	1									
1985						25	15	14	12	19	20	21	25	42	38	16	8	14	14	19	10	5	5	6	4	10	6	10	3	1	1	1	1	1	1	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	1.9	282	4583	78.42	24	36.0	210	845	14.46
1	0.13	9	5844	100.00	13	2.5	222	4301	73.60	25	46.0	216	635	10.87
2	0.17	52	5835	99.85	14	3.1	278	4079	69.80	26	59.0	155	419	7.17
3	0.21	96	5783	98.96	15	4.0	297	3801	65.04	27	75.0	115	264	4.52
4	0.27	80	5687	97.31	16	5.1	374	3504	59.96	28	96.0	74	149	2.55
5	0.35	72	5607	95.94	17	6.5	343	3130	53.56	29	120.0	39	75	1.28
6	0.44	89	5535	94.71	18	8.3	353	2787	47.69	30	160.0	17	36	0.62
7	0.56	202	5446	93.19	19	11.0	357	2434	41.65	31	200.0	9	19	0.33
8	0.72	170	5244	89.73	20	14.0	281	2077	35.54	32	260.0	7	10	0.17
9	0.92	158	5074	86.82	21	17.0	384	1796	30.73	33	330.0	2	3	0.05
10	1.2	184	4916	84.12	22	22.0	314	1412	24.16	34	420.0	1	1	0.02
11	1.5	149	4732	80.97	23	28.0	253	1098	18.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.42  
P90 = 0.71  
P75 = 2.3  
P70 = 3.1  
P50 = 7.6  
P25 = 21.4  
P10 = 49.1



## 04100252 FORKER CREEK NEAR BURR OAK, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	0.50 9	0.53 9	0.57 9	0.59 7	0.75 7	1.00 8	1.19 6	1.70 7	4.10 7
1972	0.18 4	0.18 3	0.18 3	0.19 2	0.21 1	0.25 1	0.27 1	0.29 1	0.51 1
1973	0.13 1	0.21 4	0.29 5	0.62 8	1.30 12	5.60 14	4.60 12	6.40 11	13.00 12
1974	0.56 10	0.56 10	0.59 10	0.66 10	0.76 8	0.91 6	1.40 7	3.10 10	5.50 10
1975	0.37 6	0.37 6	0.38 6	0.42 5	0.56 6	0.66 5	0.69 3	0.96 3	2.50 5
1976	0.48 8	0.50 8	0.54 8	0.62 9	0.83 9	1.30 10	1.70 8	2.10 8	5.30 9
1977	0.26 5	0.26 5	0.27 4	0.29 4	0.32 4	0.92 7	0.87 5	1.30 5	1.30 2
1978	0.90 13	1.10 13	1.19 13	1.19 13	1.50 13	4.20 13	9.00 14	11.00 14	13.00 13
1979	0.16 3	0.16 2	0.17 1	0.18 1	0.23 3	0.25 2	0.44 2	0.74 2	2.20 3
1980	0.15 2	0.15 1	0.17 2	0.20 3	0.21 2	0.56 3	1.70 9	1.70 6	2.30 4
1981	1.50 14	1.60 14	1.90 14	2.00 14	3.20 14	3.60 12	7.50 13	8.10 12	9.90 11
1982	1.90 15	2.00 15	2.20 15	3.00 15	4.20 15	6.20 15	9.80 15	12.00 15	14.00 14
1983	0.66 11	0.69 11	0.75 11	0.87 12	1.10 11	1.80 11	2.50 11	8.40 13	15.00 15
1984	0.45 7	0.47 7	0.49 7	0.50 6	0.52 5	0.57 4	0.72 4	1.10 4	3.60 6
1985	0.74 12	0.75 12	0.77 12	0.84 11	0.97 10	1.10 9	2.20 10	2.80 9	4.80 8

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	97.00 15	91.00 15	75.00 15	54.00 15	47.00 14	35.00 15	30.00 14	26.00 12	19.00 13
1971	107.00 14	98.00 13	78.00 14	59.00 14	49.00 13	37.00 14	27.00 15	23.00 15	19.00 14
1972	76.00 16	74.00 16	71.00 16	52.00 16	38.00 16	31.00 16	25.00 16	20.00 16	16.00 16
1973	132.00 10	123.00 10	106.00 10	83.00 7	61.00 9	45.00 10	44.00 7	43.00 5	37.00 4
1974	151.00 9	146.00 8	129.00 6	92.00 6	68.00 6	61.00 5	51.00 5	45.00 4	35.00 6
1975	110.00 13	97.00 14	79.00 12	70.00 11	56.00 10	46.00 8	44.00 6	38.00 8	34.00 7
1976	175.00 6	163.00 5	136.00 5	106.00 5	83.00 5	51.00 6	38.00 9	30.00 10	24.00 10
1977	112.00 12	100.00 12	79.00 13	62.00 13	54.00 11	43.00 11	32.00 11	25.00 13	22.00 11
1978	230.00 4	219.00 4	174.00 3	131.00 4	110.00 2	67.00 3	53.00 4	42.00 6	37.00 5
1979	168.00 7	154.00 7	112.00 8	69.00 12	46.00 15	38.00 13	31.00 13	24.00 14	17.00 15
1980	117.00 11	106.00 11	98.00 11	74.00 9	63.00 8	43.00 12	32.00 12	28.00 11	22.00 12
1981	315.00 3	252.00 3	173.00 4	132.00 3	91.00 4	65.00 4	65.00 1	52.00 3	43.00 2
1982	333.00 2	314.00 2	284.00 1	196.00 1	119.00 1	82.00 2	64.00 2	55.00 1	45.00 1
1983	181.00 5	157.00 6	116.00 7	72.00 10	64.00 7	48.00 7	36.00 10	31.00 9	33.00 8
1984	161.00 8	141.00 9	109.00 9	82.00 8	54.00 12	45.00 9	41.00 8	40.00 7	32.00 9
1985	431.00 1	380.00 1	251.00 2	171.00 2	103.00 3	86.00 1	60.00 3	54.00 2	39.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	15.00 6
1972	5.70 1
1973	24.00 13
1974	25.00 14
1975	12.00 4
1976	22.00 9
1977	8.10 2
1978	22.00 10
1979	13.00 5
1980	12.00 3
1981	16.00 7
1982	36.00 15
1983	22.00 11
1984	19.00 8
1985	23.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	11.00 13
1971	11.00 14
1972	11.00 15
1973	28.00 2
1974	19.00 7
1975	19.00 8
1976	13.00 12
1977	14.00 11
1978	22.00 4
1979	9.50 16
1980	15.00 10
1981	26.00 3
1982	29.00 1
1983	20.00 6
1984	18.00 9
1985	21.00 5

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04100252 FORKER CREEK NEAR BURR OAK, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	*	*	*	*	*	*	*	*	8.90	19.60	2.24	0.68
1970	1.52	12.50	5.77	4.04	13.40	25.80	43.50	19.00	5.64	0.78	1.40	1.95
1971	4.46	11.00	14.70	4.41	45.50	28.80	9.61	9.32	5.49	0.41	0.25	0.27
1972	0.36	0.28	4.97	10.50	4.24	22.00	37.40	15.50	3.40	8.79	3.62	19.60
1973	26.10	48.20	26.60	32.30	15.80	47.40	40.60	22.70	59.70	7.80	10.30	1.81
1974	1.04	1.67	18.70	49.50	33.60	55.90	29.30	18.90	12.20	2.81	0.78	0.73
1975	0.66	3.47	6.58	21.50	29.30	21.70	45.20	29.30	55.20	10.70	3.22	1.95
1976	1.11	2.78	17.90	4.75	60.60	38.50	12.20	9.35	4.23	1.58	3.95	0.33
1977	1.54	1.11	2.59	1.22	9.89	49.50	31.10	6.76	2.09	20.10	16.00	24.40
1978	13.70	12.20	52.50	9.58	5.95	67.40	60.50	25.60	7.88	7.60	0.67	0.23
1979	0.47	1.94	4.30	5.44	2.96	43.50	32.50	13.60	2.09	1.34	4.53	0.64
1980	0.55	5.50	15.30	7.85	9.65	44.50	36.40	10.10	16.10	8.53	14.60	15.50
1981	3.35	3.95	19.30	5.75	53.30	13.60	57.80	38.10	90.70	12.00	4.76	17.00
1982	19.30	17.80	13.80	21.70	27.00	111.00	46.10	16.70	32.60	35.60	4.13	1.58
1983	2.00	38.60	47.90	13.70	15.60	15.30	50.60	41.10	6.74	9.18	1.49	0.62
1984	0.64	3.14	28.30	5.08	38.10	44.60	35.40	34.60	17.30	4.68	3.32	1.02
1985	2.74	8.81	15.00	30.70	62.50	65.70	52.90	5.17	2.07	0.83	1.98	2.15

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.65	2.15	5.97	4.83	9.71	22.90
FIFTIETH PERCENTILE					
1.53	4.72	15.20	8.71	21.40	44.00
SEVENTY FIFTH PERCENTILE					
4.18	12.40	24.80	21.60	43.60	54.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
31.40	9.54	3.81	1.46	1.44	0.63
FIFTIETH PERCENTILE					
39.00	17.80	7.88	7.80	3.32	1.58
SEVENTY FIFTH PERCENTILE					
49.50	28.40	24.90	11.40	4.64	8.82

## 04100295 RIMMELL BRANCH NEAR ALBION, IN

LOCATION.--Lat 41°23'07", long 85°22'14", in NE¼SE¼ sec.21, T.34 N., R.10 E., Noble County, Hydrologic Unit 04050001, on right bank 900 ft downstream from culvert on County Road 300 E, 0.75 mi south of State Highway 8, 3.0 mi east of intersection of State Highway 9 and State Highway 8 in Albion.

DRAINAGE AREA.--10.7 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1979 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 935.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--5 years, 11.9 ft<sup>3</sup>/s, 15.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 414 ft<sup>3</sup>/s Mar. 28, 1985, gage height, 11.51 ft; maximum gage height, 12.82 ft, Apr. 14, 1981, minimum daily discharge, 0.14 ft<sup>3</sup>/s, many days during 1980.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1981					5	2	2	2	5	7	38	49	33	27	29	21	25	19	10	14	10	9	15	4	5	11	6	4	6	1	4	1		1	
1982							13	17	7	7	4	7	8	32	21	43	39	27	25	19	20	12	17	16	4	10	2	4	2	4	1	1	2	1	
1983					19	15	20	28	21	9	6	10	5	4	10	24	43	35	17	19	16	13	14	6	7	8	8	4	2			1	1		
1984		1	5		9	16	9	14	25	17	10	16	22	46	22	14	17	20	10	17	13	10	11	11	10	10	3	3	1	2	1		1		
1985					6	20	26	14	25	13	13	11	20	29	30	19	25	22	14	8	11	9	7	6	8	7	4	2	3	7	3			3	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	1826	100.00	12	1.9	88	1283	70.26	24	31.0	34	169	9.26
1	0.14	0	1826	100.00	13	2.3	138	1195	65.44	25	39.0	46	135	7.39
2	0.18	1	1826	100.00	14	3.0	112	1057	57.89	26	50.0	23	89	4.87
3	0.22	5	1825	99.95	15	3.8	121	945	51.75	27	63.0	17	66	3.61
4	0.28	39	1820	99.67	16	4.7	149	824	45.13	28	79.0	14	49	2.68
5	0.36	53	1781	97.54	17	6.0	123	675	36.97	29	100.0	14	35	1.92
6	0.45	70	1728	94.63	18	7.6	76	552	30.23	30	130.0	9	21	1.15
7	0.57	75	1658	90.80	19	9.6	77	476	26.07	31	160.0	3	12	0.66
8	0.73	83	1583	86.69	20	12.0	70	399	21.85	32	200.0	4	9	0.49
9	0.92	53	1500	82.15	21	15.0	53	329	18.02	33	260.0	5	5	0.27
10	1.2	71	1447	79.24	22	19.0	64	276	15.11	34	330.0	0	0	0.00
11	1.5	93	1376	75.36	23	25.0	43	212	11.61					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.44
P90 =	0.60
P75 =	1.5
P70 =	1.9
P50 =	4.0
P25 =	10.2
P10 =	29.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1982	0.32 3	0.32 3	0.34 2	0.55 3	1.30 4	2.20 4	3.30 4	4.70 4	5.80 4
1983	0.48 4	0.50 4	0.53 4	0.55 4	0.60 3	0.80 2	1.19 2	3.10 3	4.40 3
1984	0.20 1	0.24 1	0.29 1	0.32 1	0.35 1	0.41 1	0.44 1	0.57 1	1.50 1
1985	0.25 2	0.30 2	0.36 3	0.46 2	0.55 2	0.97 3	2.40 3	3.00 2	4.20 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1981	289.00 3	157.00 3	101.00 3	65.00 3	39.00 3	30.00 3	29.00 3	28.00 3	22.00 2
1982	312.00 2	227.00 2	185.00 1	126.00 1	75.00 1	49.00 2	36.00 2	29.00 2	22.00 3
1983	210.00 5	110.00 5	69.00 5	39.00 5	33.00 5	25.00 5	19.00 5	16.00 5	18.00 4
1984	223.00 4	129.00 4	86.00 4	54.00 4	34.00 4	26.00 4	23.00 4	21.00 4	17.00 5
1985	327.00 1	266.00 1	169.00 2	111.00 2	63.00 2	55.00 1	38.00 1	34.00 1	25.00 1

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04100295 RIMMELL BRANCH NEAR ALBION, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1982	18.00	4
1983	10.00	2
1984	9.90	1
1985	15.00	3

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1981	13.00	3
1982	14.00	1
1983	10.00	4
1984	9.80	5
1985	13.00	2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1980	*	*	10.10	3.38	*	*	*	*	9.09	2.22	5.45	*
1981	1.82	1.38	7.59	2.27	38.60	6.68	31.80	14.40	39.10	3.40	1.32	5.68
1982	8.93	9.39	6.05	8.23	14.90	69.90	22.60	4.93	6.83	10.90	2.22	0.84
1983	0.80	24.80	23.90	5.49	8.22	9.20	25.10	20.40	3.55	1.69	0.43	0.47
1984	0.62	3.50	14.20	2.45	17.10	29.90	19.60	16.90	3.51	1.55	7.98	0.66
1985	3.51	8.64	13.10	13.80	44.80	44.00	26.10	2.05	0.93	0.71	1.16	1.85

## 04100465 TURKEY CREEK AT SYRACUSE, IN

LOCATION.--Lat 41°25'35", long 85°45'16", in NE¼SE¼ sec.6, T.34 N., R.7 E., Kosciusko County, Hydrologic Unit 04050001, on right bank 75 ft upstream from Main Street bridge in Syracuse and 1,500 ft downstream from dam at outlet of Syracuse Lake.

DRAINAGE AREA.--43.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 848.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 37.9 ft<sup>3</sup>/s, 11.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft<sup>3</sup>/s Mar. 31, 1985, gage height, 5.52 ft; minimum daily, 0.82 ft<sup>3</sup>/s Oct. 8, 1978.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1970										9	47	12	11	1	7	10		6	76	14	1	29	32	8	6	33	23	30	6	4							
1971						3	34	23	47	16	28	8	5	15	6	3					1	5		46	36	25	43	20	1								
1972				1	6	22	16	13	19	16	9	17	23	27	7	7	5	22	49	6	2	4	3	12	14	15	10	22	19	7							
1973						1	5	18	4	2	21	23	5	6	7	1	3	6	3	7	11	7	3	13	97	97	25										
1974						1	5	14	34	49	4	1	1	10	6	1	3		2	4	10	17	55	31	8	2	25	62	15	5							
1975						5	9	9	5	24	25	14	6	7	11	14	4	3	24	11	23	9	8	15	37	78	17	7									
1976											13	36	18	24	33	13	9	23	19	18	3	13	8	11	8	53	22	8	19	13	2						
1977											15	24	21	7	5		5	38	79	14	9	12	22	23	28	11	15	20	16	1							
1978					2		7	3	6	3	9	7	4	18	13	2	14	39	23	16	17	25	13	10	27	25	12	21	13	13	15	8					
1979		1	4	3	3	3	1	5	16	35	33	30	29	14	28	21	23	6	8	2		5			2	1	15	31	42	4							
1980							1	10	25	24	27	18	15	5	5	24	3	5	1	3	24	16	14	14	18	22	21	35	26	9	1						
1981										8	39	41	26	11	2	3	2	4	6	2	5	7	26	19	23	7	17	16	35	17	31	18					
1982										2	26	22	21	13	32	11	11	1	7	4	10	2	2	9	73	27	8	26	23	26	9						
1983								3	23	31	28	18	9	16	9	4	3	1	2	1	2	2	27	2	2	18	14	52	89	9							
1984					2	3	5	5	10	31	27	31	24	15	7	11	11	30	14	5	4	4	1	28	14	7	25	48	4								
1985							1	6	32	31	8	11	9	16	18	18	12	13	4		2	2	1		44	30	20	15	19	11	17	13	12				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	5.4	257	4553	77.91	24	42.0	246	2298	39.32
1	0.82	1	5844	100.00	13	6.4	220	4296	73.51	25	50.0	395	2052	35.11
2	0.97	4	5843	99.98	14	7.6	220	4076	69.75	26	60.0	434	1657	28.35
3	1.2	3	5839	99.91	15	9.1	127	3856	65.98	27	71.0	433	1223	20.93
4	1.4	6	5836	99.86	16	11.0	147	3729	63.81	28	84.0	458	790	13.52
5	1.6	14	5830	99.76	17	13.0	174	3582	61.29	29	100.0	155	332	5.68
6	1.9	73	5816	99.52	18	15.0	323	3408	58.32	30	120.0	99	177	3.03
7	2.3	72	5743	98.27	19	18.0	128	3085	52.79	31	140.0	53	78	1.33
8	2.7	154	5671	97.04	20	21.0	66	2957	50.60	32	170.0	13	25	0.43
9	3.2	247	5517	94.40	21	25.0	182	2891	49.47	33	200.0	12	12	0.21
10	3.8	417	5270	90.18	22	30.0	192	2709	46.36	34	240.0	0	0	0.00
11	4.6	300	4853	83.04	23	36.0	219	2517	43.07					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.1  
P90 = 3.8  
P75 = 6.1  
P70 = 7.5  
P50 = 23.1  
P25 = 65.0  
P10 = 91.2

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04100465 TURKEY CREEK AT SYRACUSE, IN--Continued

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	3.50 10	3.60 10	3.70 9	3.80 8	4.00 7	4.30 7	7.20 8	15.00 11	20.00 11
1972	1.40 2	1.60 2	1.70 2	1.90 2	2.00 2	2.10 1	2.20 1	2.30 1	2.60 1
1973	3.10 8	3.30 8	3.40 7	3.90 9	4.60 10	6.10 13	6.60 6	12.00 9	32.00 15
1974	2.60 6	2.90 6	3.00 6	3.10 5	3.30 5	3.70 4	5.60 5	6.00 5	14.00 6
1975	1.90 4	2.10 4	2.30 4	2.40 3	2.50 3	3.00 2	3.30 2	3.60 2	9.60 5
1976	3.80 12	4.00 13	4.10 12	4.40 12	4.70 11	5.60 11	7.30 9	7.30 6	17.00 7
1977	3.90 14	4.20 14	4.50 15	4.70 13	4.90 14	5.90 12	15.00 14	18.00 14	17.00 8
1978	3.80 13	3.90 12	4.20 13	4.70 14	4.80 12	9.60 15	13.00 13	15.00 12	24.00 13
1979	0.82 1	1.00 1	1.10 1	1.30 1	1.80 1	4.10 6	6.70 7	7.30 7	8.00 4
1980	2.30 5	2.60 5	2.90 5	3.20 6	3.30 6	3.70 5	4.80 4	5.20 4	5.20 3
1981	3.00 7	3.20 7	3.70 8	3.70 7	4.30 8	4.50 8	8.90 12	12.00 10	17.00 9
1982	3.50 9	3.60 9	4.00 10	4.30 11	4.90 13	5.40 9	7.50 10	16.00 13	22.00 12
1983	3.70 11	3.80 11	4.10 11	4.20 10	4.50 9	5.60 10	17.00 15	21.00 15	31.00 14
1984	1.70 3	1.80 3	2.00 3	2.40 4	3.20 4	3.50 3	3.50 3	3.70 3	4.30 2
1985	4.10 15	4.40 15	4.50 14	5.20 15	5.40 15	7.60 14	8.70 11	11.00 8	17.00 10

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	109.00 10	103.00 12	92.00 13	87.00 13	79.00 14	74.00 12	66.00 11	57.00 13	46.00 14
1971	84.00 16	83.00 16	81.00 16	78.00 16	74.00 15	64.00 15	61.00 14	57.00 14	47.00 13
1972	108.00 11	107.00 11	106.00 8	98.00 8	92.00 9	73.00 13	57.00 15	46.00 15	38.00 15
1973	98.00 14	95.00 14	90.00 14	86.00 14	83.00 12	78.00 10	75.00 9	74.00 7	72.00 5
1974	125.00 6	123.00 6	120.00 6	112.00 6	104.00 5	96.00 5	93.00 4	85.00 4	71.00 6
1975	92.00 15	88.00 15	85.00 15	80.00 15	67.00 16	64.00 16	64.00 12	61.00 11	58.00 9
1976	121.00 7	119.00 7	116.00 7	111.00 7	102.00 6	81.00 9	61.00 13	58.00 12	48.00 11
1977	102.00 13	98.00 13	93.00 12	89.00 12	83.00 13	65.00 14	53.00 16	44.00 16	36.00 16
1978	150.00 4	147.00 4	144.00 4	140.00 4	130.00 4	110.00 4	93.00 5	76.00 5	62.00 8
1979	116.00 8	112.00 8	103.00 9	95.00 9	90.00 10	89.00 8	83.00 6	67.00 9	47.00 12
1980	140.00 5	138.00 5	133.00 5	124.00 5	102.00 7	90.00 6	76.00 8	75.00 6	64.00 7
1981	169.00 2	164.00 2	148.00 3	141.00 3	140.00 2	132.00 2	113.00 2	99.00 2	83.00 2
1982	152.00 3	151.00 3	150.00 2	142.00 2	134.00 3	122.00 3	107.00 3	85.00 3	76.00 3
1983	111.00 9	109.00 9	101.00 10	95.00 10	94.00 8	90.00 7	80.00 7	70.00 8	72.00 4
1984	108.00 12	107.00 10	101.00 11	95.00 11	86.00 11	75.00 11	72.00 10	66.00 10	54.00 10
1985	239.00 1	235.00 1	221.00 1	212.00 1	180.00 1	163.00 1	131.00 1	112.00 1	97.00 1

ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	41.00 10
1972	13.00 1
1973	52.00 14
1974	42.00 11
1975	34.00 6
1976	38.00 8
1977	26.00 2
1978	33.00 4
1979	34.00 5
1980	30.00 3
1981	41.00 9
1982	59.00 15
1983	51.00 13
1984	36.00 7
1985	50.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	30.00 12
1971	28.00 14
1972	25.00 16
1973	51.00 2
1974	42.00 6
1975	34.00 9
1976	32.00 10
1977	29.00 13
1978	39.00 8
1979	26.00 15
1980	41.00 7
1981	50.00 3
1982	49.00 4
1983	46.00 5
1984	31.00 11
1985	54.00 1

## 04100465 TURKEY CREEK AT SYRACUSE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	9.50	30.30	26.00	16.90	28.90	32.10	76.10	70.20	45.30	18.70	4.11	4.79
1971	47.00	15.00	36.70	54.50	49.70	65.90	46.30	5.45	3.06	3.05	2.43	2.10
1972	2.10	2.77	28.20	15.80	14.50	28.30	71.30	67.30	5.05	7.28	7.73	45.60
1973	68.20	69.50	75.30	77.00	72.20	55.80	82.60	36.00	55.40	11.40	7.40	5.79
1974	3.69	19.90	41.30	57.70	88.70	101.00	79.30	60.50	36.50	14.90	3.92	3.27
1975	2.91	15.10	19.60	47.30	59.10	64.20	57.90	50.90	65.70	11.20	5.26	11.00
1976	7.65	13.40	55.90	35.50	44.40	94.70	31.70	20.30	23.10	24.90	26.90	5.00
1977	19.80	32.80	15.80	14.40	20.40	70.70	56.40	22.10	5.47	22.40	17.00	47.50
1978	41.20	21.20	49.50	23.70	20.50	69.30	130.00	76.00	12.00	9.01	12.00	5.11
1979	3.67	12.80	9.63	8.81	46.60	88.00	88.30	39.90	3.94	3.49	9.44	4.38
1980	4.33	7.31	33.10	63.20	18.60	81.80	93.40	26.60	93.50	26.50	21.90	17.50
1981	4.38	6.02	35.00	38.90	60.60	73.30	63.10	132.00	127.00	39.90	15.00	5.74
1982	10.20	51.30	41.00	14.20	81.50	124.00	115.00	15.10	65.10	56.80	6.09	10.10
1983	33.10	55.30	91.10	66.40	45.10	49.50	91.80	83.40	23.20	4.31	3.71	3.53
1984	3.76	4.20	35.10	42.90	87.60	46.50	81.80	28.40	19.60	10.80	11.40	6.07
1985	27.80	63.70	67.00	70.60	58.30	149.00	167.00	26.20	12.10	5.07	3.93	3.64

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

3.71	8.68	26.50	16.10	22.60	51.10
------	------	-------	-------	-------	-------

## FIFTIETH PERCENTILE

8.57	17.50	35.90	40.90	48.10	70.00
------	-------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

31.80	46.70	54.30	61.80	69.30	93.00
-------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

59.20	23.10	7.10	5.62	3.97	3.82
-------	-------	------	------	------	------

## FIFTIETH PERCENTILE

80.50	37.90	23.10	11.30	7.56	5.42
-------	-------	-------	-------	------	------

## SEVENTY FIFTH PERCENTILE

93.00	69.50	62.70	24.30	14.30	10.80
-------	-------	-------	-------	-------	-------

## 04100500 ELKHART RIVER AT GOSHEN, IN

LOCATION.--Lat 41°35'36", long 85°50'55", in NE¼NE¼ sec.8, T.36 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, on right bank 20 ft downstream from River Avenue bridge at Goshen, 0.4 mi upstream from Rock Run, and at mile 16.1.

DRAINAGE AREA.--594 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1931 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 769.43 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 20, 1931, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--54 years, 520 ft<sup>3</sup>/s, 11.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,360 ft<sup>3</sup>/s Feb. 24, 1985; maximum gage height, 11.94 ft Mar. 14, 1982; minimum daily discharge, 7.0 ft<sup>3</sup>/s Aug. 11, 1964, result of extreme regulation.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1932													1	1		29	10	27	47	30	49	52	45	28	21	20	1	2	1	2						
1933															2	5	49	45	27	39	45	33	21	21	35	19	14	5	4	1						
1934													11	56	44	7	5	45	54	69	46	7	7	6	3	5										
1935													1	36	18	39	49	41	22	24	25	37	38	21	11	2	1									
1936													1	49	47	26	12	41	28	14	42	32	13	22	18	6	3	4	6	1	1					
1937															6	20	38	43	31	41	19	53	50	31	21	8	4									
1938															7	20	48	58	30	34	24	27	24	24	36	23	5	2	2	1						
1939															4	30	47	52	56	46	24	12	16	19	21	19	8	7	2	1	1					
1940												1	1	2	7	52	36	88	33	19	12	11	53	35	10	2	2	1	1							
1941								1		9	20	25	15	17	28	51	62	54	39	30	13	1														
1942									1		3	3	5	20	18	80	64	28	45	18	18	14	8	16	12	6	5	1								
1943															10	12	21	59	36	56	58	33	20	18	10	9	10	6	4	3						
1944															8	50	61	42	50	28	11	16	13	13	31	14	8	10	7	3	1					
1945															16	55	86	33	17	27	22	36	33	12	10	8	7	2	1							
1946													8	4	2	40	19	31	33	49	57	14	17	22	34	25	5	3	1	1						
1947													2	4	3	17	22	51	40	41	24	26	34	19	29	28	10	9	4	1	1					
1948												1	3	1	10	23	24	54	48	30	28	34	32	18	28	17	7	7	1							
1949												4	1		1	25	44	35	40	24	26	38	46	30	17	16	1	13	3	1						
1950															1	8	13	22	22	23	35	59	27	12	14	28	36	28	19	11	4	3				
1951																		27	28	46	50	33	29	47	52	25	14	10	3					1		
1952															1	2	5	24	41	21	20	28	44	36	46	44	32	12	8	2						
1953									3	4	2	8	4	3	7	24	32	58	32	36	27	52	51	19	2	1										
1954				3	2	2	5		1	5	2	6	7	8	5	17	13	46	27	14	49	37	40	20	14	24	7	6	3	1	1					
1955													1	2	5	11	5	9	25	23	43	35	54	51	37	24	14	10	6	6	2			2		
1956											1	1	1		3	5	10	38	65	32	37	34	20	58	9	14	7	3	9	12	4	1	2			
1957								1	5	5			10	10	11	18	39	54	37	31	60	32	16	6	5	10	11	3	1							
1958								1	2	2			1			7	18	38	29	68	67	31	34	14	22	17	9	4								
1959							1	2	2				2	2	3	4	7	20	22	34	55	32	19	45	25	18	15	14	13	15	12	3				
1960																16	30	20	27	35	29	46	40	57	24	22	9	7	3	1						
1961															1	1	42	115	52	21	27	17	18	8	18	16	15	6	3	4	1					
1962															2	12	24	8	54	38	32	52	45	38	19	11	6	6	7	4	5	2				
1963															2	7	61	84	60	31	28	22	23	4	8	4	11	6	9	4						
1964	1		1										18	14	32	41	101	41	30	18	13	11	17	19	7	1										
1965															24	31	15	32	40	38	18	13	18	16	13	25	28	41	8	4	1					
1966																	23	30	35	28	46	42	41	36	26	18	17	10	8	2	2			1		
1967															13	15	57	19	24	15	19	25	25	41	31	13	32	10	14	9	2	1				
1968																	2	12	2	6	32	38	43	48	55	29	30	21	14	13	10	5	4	2		
1969																	3	11	55	27	26	40	42	38	34	36	25	10	4	6	6	2				
1970																	1	15	19	56	56	47	34	35	21	23	22	22	5	4	4	1				
1971															13	31	26	25	37	23	47	46	36	22	18	13	16	8	2	2						
1972															5	32	27	25	62	47	35	19	12	16	28	25	17	12	4							
1973																	12	16	21	33	6	9	26	41	84	66	31	15	3				2			
1974																	4	27	45	46	13	30	21	25	35	19	26	33	9	13	13	6				
1975																	32	6	78	27	24	20	22	43	40	37	21	7	6	2						



## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	19724	100.00	12	66.0	122	19596	99.35	24	770.0	1184	3866	19.60
1	7.0	1	19724	100.00	13	81.0	301	19474	98.73	25	950.0	1094	2682	13.60
2	8.6	0	19723	99.99	14	100.0	414	19173	97.21	26	1200.0	592	1588	8.05
3	11.0	4	19723	99.99	15	120.0	990	18759	95.11	27	1400.0	406	996	5.05
4	13.0	2	19719	99.97	16	150.0	1232	17769	90.09	28	1700.0	279	590	2.99
5	16.0	2	19717	99.96	17	180.0	2418	16537	83.84	29	2100.0	172	311	1.58
6	19.0	6	19715	99.95	18	230.0	1897	14119	71.58	30	2600.0	83	139	0.70
7	24.0	2	19709	99.92	19	280.0	1765	12222	61.97	31	3200.0	32	56	0.28
8	29.0	10	19707	99.91	20	340.0	1888	10457	53.02	32	4000.0	19	24	0.12
9	36.0	16	19697	99.86	21	420.0	1609	8569	43.44	33	4900.0	4	5	0.03
10	44.0	23	19681	99.78	22	510.0	1739	6960	35.29	34	6000.0	1	1	0.01
11	54.0	62	19658	99.67	23	630.0	1355	5221	26.47					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	121.0
P90 =	150.0
P75 =	216.0
P70 =	238.0
P50 =	365.0
P25 =	660.0
P10 =	1110.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1933	125.00 29	128.00 24	140.00 26	160.00 33	205.00 44	293.00 50	293.00 47	319.00 46	347.00 43
1934	140.00 38	153.00 39	168.00 42	175.00 41	189.00 39	208.00 35	228.00 34	246.00 32	265.00 29
1935	74.00 12	77.00 7	79.00 4	84.00 4	88.00 3	92.00 3	95.00 3	97.00 3	102.00 1
1936	105.00 21	112.00 19	118.00 18	123.00 17	126.00 14	150.00 18	190.00 24	193.00 21	249.00 25
1937	71.00 11	83.00 9	85.00 6	86.00 5	90.00 5	96.00 5	100.00 4	112.00 4	181.00 11
1938	104.00 20	109.00 17	115.00 16	120.00 16	141.00 22	153.00 20	164.00 16	175.00 17	210.00 17
1939	130.00 33	143.00 35	151.00 34	158.00 32	169.00 30	177.00 27	187.00 22	206.00 26	241.00 24
1940	126.00 31	134.00 28	152.00 35	170.00 37	176.00 34	191.00 30	201.00 30	199.00 22	213.00 18
1941	58.00 8	99.00 14	108.00 14	116.00 15	128.00 15	130.00 12	142.00 12	147.00 9	177.00 9
1942	35.00 5	45.00 2	50.00 1	53.00 1	58.00 1	65.00 1	76.00 1	90.00 2	132.00 4
1943	136.00 36	139.00 32	142.00 29	153.00 29	182.00 36	212.00 37	243.00 38	263.00 37	273.00 30
1944	150.00 41	167.00 45	184.00 45	187.00 45	198.00 43	223.00 39	243.00 39	291.00 41	327.00 39
1945	127.00 32	134.00 29	141.00 27	146.00 26	158.00 26	164.00 22	165.00 17	171.00 15	172.00 8
1946	160.00 46	191.00 50	193.00 47	206.00 48	233.00 48	285.00 48	294.00 48	345.00 49	398.00 45
1947	76.00 13	89.00 11	107.00 13	112.00 12	113.00 10	120.00 9	132.00 9	153.00 10	180.00 10
1948	125.00 30	146.00 36	148.00 31	163.00 34	189.00 40	245.00 43	304.00 49	299.00 43	335.00 42
1949	61.00 9	113.00 20	134.00 23	137.00 23	136.00 19	140.00 15	155.00 14	164.00 14	203.00 14
1950	109.00 24	137.00 31	155.00 36	166.00 35	175.00 32	197.00 34	236.00 36	247.00 33	292.00 35
1951	232.00 52	251.00 52	270.00 53	276.00 52	300.00 52	365.00 51	412.00 51	434.00 50	512.00 50
1952	150.00 42	193.00 51	216.00 51	241.00 51	251.00 50	291.00 49	381.00 50	469.00 52	557.00 52
1953	95.00 17	133.00 27	148.00 32	156.00 31	167.00 28	179.00 28	195.00 29	212.00 27	253.00 26
1954	11.00 2	46.00 3	64.00 3	71.00 3	89.00 4	95.00 4	101.00 5	117.00 7	141.00 6
1955	179.00 49	180.00 47	194.00 48	212.00 49	281.00 51	387.00 52	443.00 53	460.00 51	636.00 53
1956	70.00 10	110.00 18	120.00 19	127.00 19	139.00 20	221.00 38	272.00 43	288.00 39	332.00 40
1957	40.00 6	71.00 6	118.00 17	127.00 20	141.00 21	145.00 16	159.00 15	176.00 18	204.00 15
1958	30.00 4	81.00 8	101.00 11	111.00 11	116.00 12	123.00 11	135.00 10	160.00 11	235.00 23
1959	161.00 47	162.00 44	171.00 44	172.00 40	188.00 37	248.00 44	280.00 44	319.00 47	464.00 48
1960	20.00 3	66.00 4	88.00 7	98.00 8	113.00 11	150.00 17	190.00 25	231.00 30	302.00 37

## 04100500 ELKHART RIVER AT GOSHEN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1961	108.00 22	136.00 30	150.00 33	153.00 30	167.00 29	174.00 25	194.00 28	202.00 24	207.00 16
1962	158.00 45	159.00 41	164.00 41	170.00 38	191.00 41	239.00 42	237.00 37	261.00 36	281.00 31
1963	97.00 18	99.00 15	102.00 12	104.00 10	108.00 8	114.00 8	124.00 8	133.00 8	142.00 7
1964	50.00 7	71.00 5	80.00 5	86.00 6	97.00 6	106.00 6	115.00 7	116.00 6	130.00 3
1965	7.00 1	18.00 1	56.00 2	58.00 2	66.00 2	71.00 2	76.00 2	80.00 1	107.00 2
1966	104.00 19	128.00 25	135.00 24	138.00 24	146.00 23	168.00 23	189.00 23	256.00 34	287.00 33
1967	86.00 14	90.00 12	100.00 10	113.00 13	123.00 13	135.00 13	181.00 20	182.00 19	228.00 22
1968	88.00 15	88.00 10	90.00 8	96.00 7	110.00 9	121.00 10	135.00 11	161.00 12	227.00 21
1969	182.00 50	187.00 48	195.00 50	195.00 46	210.00 45	226.00 40	254.00 40	290.00 40	403.00 46
1970	145.00 39	147.00 37	155.00 37	171.00 39	181.00 35	193.00 31	218.00 33	259.00 35	288.00 34
1971	116.00 26	121.00 23	130.00 22	131.00 22	148.00 24	195.00 32	215.00 32	234.00 31	300.00 36
1972	94.00 16	95.00 13	97.00 9	101.00 9	104.00 7	107.00 7	112.00 6	115.00 5	134.00 5
1973	135.00 34	150.00 38	158.00 38	181.00 44	210.00 46	280.00 47	259.00 41	306.00 44	525.00 51
1974	157.00 43	160.00 42	162.00 39	168.00 36	175.00 33	183.00 29	193.00 26	215.00 28	254.00 27
1975	117.00 27	119.00 21	122.00 20	125.00 18	130.00 16	136.00 14	143.00 13	162.00 13	202.00 13
1976	135.00 35	141.00 33	142.00 28	146.00 25	158.00 25	176.00 26	187.00 21	201.00 23	282.00 32
1977	140.00 37	141.00 34	143.00 30	147.00 27	159.00 27	174.00 24	193.00 27	204.00 25	218.00 19
1978	150.00 40	154.00 40	163.00 40	177.00 42	193.00 42	238.00 41	285.00 45	277.00 38	309.00 38
1979	115.00 25	119.00 22	122.00 21	129.00 21	131.00 17	154.00 21	166.00 18	173.00 16	196.00 12
1980	124.00 28	129.00 26	138.00 25	148.00 28	174.00 31	195.00 33	204.00 31	219.00 29	227.00 20
1981	190.00 51	191.00 49	194.00 49	202.00 47	214.00 47	255.00 45	292.00 46	317.00 45	332.00 41
1982	254.00 53	260.00 53	270.00 52	288.00 53	372.00 53	431.00 53	439.00 52	471.00 53	483.00 49
1983	157.00 44	162.00 43	170.00 43	180.00 43	189.00 38	209.00 36	232.00 35	322.00 48	435.00 47
1984	108.00 23	109.00 16	112.00 15	116.00 14	133.00 18	152.00 19	172.00 19	190.00 20	260.00 28
1985	169.00 48	172.00 46	191.00 46	216.00 50	235.00 49	265.00 46	269.00 42	293.00 42	394.00 44

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1932	2200.00 40	1720.00 41	1300.00 47	1020.00 48	934.00 46	804.00 45	750.00 44	698.00 42	621.00 39
1933	2900.00 22	2230.00 28	1730.00 32	1490.00 31	1420.00 24	1320.00 12	1170.00 12	1010.00 16	922.00 15
1934	1130.00 51	1050.00 51	994.00 50	827.00 51	655.00 51	495.00 52	410.00 52	379.00 52	351.00 52
1935	1310.00 50	1090.00 50	908.00 51	842.00 50	697.00 50	609.00 50	601.00 50	560.00 48	467.00 49
1936	2660.00 28	2430.00 24	2040.00 23	1750.00 21	1330.00 29	979.00 37	858.00 39	702.00 41	590.00 42
1937	1580.00 48	1400.00 49	1220.00 49	1120.00 47	983.00 45	850.00 44	768.00 43	813.00 35	720.00 29
1938	2240.00 37	1980.00 35	1590.00 39	1320.00 40	1140.00 39	1000.00 36	916.00 34	817.00 34	694.00 32
1939	3280.00 13	2560.00 19	2020.00 24	1590.00 26	1490.00 21	1260.00 15	1160.00 13	961.00 21	756.00 27
1940	2260.00 35	1880.00 40	1310.00 46	998.00 49	788.00 49	704.00 49	671.00 47	655.00 45	517.00 47
1941	515.00 54	472.00 54	438.00 54	389.00 54	380.00 54	362.00 54	330.00 54	311.00 54	287.00 53
1942	2460.00 31	2110.00 31	1860.00 27	1640.00 25	1360.00 26	1060.00 33	934.00 31	783.00 38	597.00 41
1943	4720.00 4	3990.00 5	3560.00 3	3210.00 3	2640.00 3	1720.00 4	1500.00 4	1320.00 4	1170.00 3
1944	3270.00 14	2870.00 14	2290.00 14	2200.00 9	1740.00 10	1580.00 7	1370.00 6	1170.00 7	858.00 20
1945	2230.00 38	1910.00 38	1630.00 37	1330.00 38	1020.00 44	939.00 39	864.00 38	792.00 37	628.00 38
1946	3180.00 15	2400.00 26	1740.00 30	1260.00 41	924.00 47	787.00 46	745.00 45	653.00 46	617.00 40
1947	3090.00 17	2420.00 25	2010.00 25	1650.00 23	1440.00 22	1180.00 22	1080.00 17	932.00 24	768.00 25
1948	2300.00 32	2020.00 32	1630.00 38	1460.00 32	1260.00 34	1180.00 23	1080.00 18	980.00 18	802.00 21
1949	2300.00 33	2010.00 33	1730.00 31	1540.00 29	1190.00 36	1070.00 31	926.00 32	818.00 33	703.00 31
1950	4820.00 3	4220.00 3	3480.00 5	3150.00 4	2650.00 2	2190.00 2	2040.00 1	1960.00 1	1550.00 1
1951	4420.00 6	2950.00 10	2120.00 19	1750.00 22	1440.00 23	1220.00 18	1130.00 14	1080.00 12	1000.00 7
1952	2240.00 36	1910.00 39	1700.00 35	1570.00 28	1510.00 18	1300.00 13	1190.00 11	1150.00 10	1000.00 8
1953	1090.00 52	953.00 52	823.00 52	724.00 52	646.00 52	588.00 51	566.00 51	528.00 50	479.00 48
1954	3330.00 12	2670.00 16	2060.00 22	1580.00 27	1360.00 27	1120.00 27	913.00 35	843.00 31	710.00 30
1955	4320.00 7	3830.00 6	3050.00 6	2400.00 7	1760.00 9	1220.00 19	1060.00 21	1030.00 15	973.00 9
1956	4000.00 9	3520.00 7	2830.00 7	2580.00 6	2140.00 6	1420.00 11	1310.00 9	1170.00 8	867.00 18
1957	1760.00 45	1640.00 45	1470.00 40	1360.00 36	1210.00 35	860.00 43	698.00 46	621.00 47	536.00 46
1958	1540.00 49	1440.00 48	1390.00 45	1210.00 45	845.00 48	743.00 48	645.00 48	554.00 49	466.00 50
1959	2770.00 25	2640.00 17	2350.00 13	2220.00 8	1950.00 8	1700.00 6	1470.00 5	1260.00 5	961.00 10
1960	2700.00 26	2220.00 29	1810.00 28	1440.00 35	1300.00 30	1070.00 32	1030.00 25	1000.00 17	948.00 13
1961	2910.00 21	2480.00 22	2250.00 15	1840.00 17	1510.00 19	1160.00 24	1050.00 22	885.00 27	669.00 34
1962	2980.00 20	2630.00 18	2110.00 20	2020.00 12	1570.00 13	1110.00 28	948.00 29	835.00 32	691.00 33
1963	1650.00 47	1490.00 47	1410.00 43	1320.00 39	1100.00 40	762.00 47	606.00 49	506.00 51	414.00 51
1964	775.00 53	672.00 53	617.00 53	589.00 53	544.00 53	488.00 53	404.00 53	344.00 53	287.00 54
1965	1780.00 44	1650.00 44	1440.00 41	1260.00 42	1140.00 37	1030.00 34	944.00 30	857.00 29	664.00 35
1966	3550.00 10	2790.00 15	2150.00 18	1780.00 18	1290.00 31	904.00 42	782.00 41	714.00 40	733.00 28
1967	2680.00 27	2380.00 27	2060.00 21	1770.00 20	1410.00 25	1150.00 26	1010.00 26	963.00 20	896.00 16
1968	3520.00 11	3210.00 9	2540.00 10	2060.00 11	1520.00 15	1230.00 16	1080.00 19	1040.00 14	869.00 17
1969	3050.00 18	2890.00 12	2410.00 11	1960.00 14	1510.00 16	1160.00 25	964.00 28	971.00 19	866.00 19
1970	2150.00 41	1920.00 37	1630.00 36	1330.00 37	1280.00 32	1080.00 30	919.00 33	795.00 36	636.00 37

## 04100500 ELKHART RIVER AT GOSHEN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1971	1920.00	42	1660.00	42	1260.00	48	1180.00	46	1090.00	41	953.00	38	769.00	42	667.00	43	578.00	44
1972	1660.00	46	1540.00	46	1410.00	44	1230.00	44	1060.00	42	919.00	41	785.00	40	655.00	44	541.00	45
1973	2810.00	23	2520.00	20	2010.00	26	1530.00	30	1270.00	33	1190.00	20	1130.00	15	1070.00	13	1040.00	6
1974	2500.00	29	2450.00	23	2220.00	16	1920.00	16	1620.00	11	1450.00	8	1290.00	10	1160.00	9	950.00	12
1975	1860.00	43	1650.00	43	1440.00	42	1240.00	43	1020.00	43	937.00	40	886.00	37	861.00	28	769.00	24
1976	3040.00	19	2900.00	11	2580.00	9	2130.00	10	1970.00	7	1430.00	10	1120.00	16	946.00	22	802.00	22
1977	2490.00	30	2110.00	30	1720.00	33	1460.00	33	1330.00	28	1110.00	29	899.00	36	726.00	39	587.00	43
1978	4310.00	8	4130.00	4	3500.00	4	2980.00	5	2550.00	4	1720.00	5	1340.00	8	1090.00	11	929.00	14
1979	4470.00	5	3320.00	8	2620.00	8	1930.00	15	1490.00	20	1230.00	17	1040.00	23	850.00	30	644.00	36
1980	2210.00	39	1970.00	36	1780.00	29	1640.00	24	1540.00	14	1180.00	21	1030.00	24	925.00	25	756.00	26
1981	3120.00	16	2870.00	13	2390.00	12	1980.00	13	1590.00	12	1440.00	9	1350.00	7	1210.00	6	1070.00	5
1982	5950.00	2	5080.00	1	4670.00	1	3880.00	1	2810.00	1	1980.00	3	1570.00	3	1350.00	3	1100.00	4
1983	2800.00	24	2520.00	21	2180.00	17	1780.00	19	1510.00	17	1280.00	14	1060.00	20	933.00	23	957.00	11
1984	2300.00	34	1990.00	34	1700.00	34	1440.00	34	1140.00	38	1010.00	35	971.00	27	917.00	26	778.00	23
1985	6010.00	1	4920.00	2	3990.00	2	3440.00	2	2490.00	5	2390.00	1	1800.00	2	1590.00	2	1280.00	2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1933	516.00	27
1934	438.00	15
1935	245.00	2
1936	419.00	12
1937	405.00	11
1938	441.00	16
1939	507.00	26
1940	396.00	10
1941	327.00	9
1942	319.00	8
1943	540.00	32
1944	699.00	46
1945	467.00	22
1946	581.00	36
1947	315.00	7
1948	634.00	43
1949	523.00	29
1950	733.00	47
1951	867.00	52
1952	791.00	50
1953	446.00	18
1954	280.00	4
1955	809.00	51
1956	467.00	23
1957	462.00	21
1958	435.00	13
1959	619.00	41
1960	590.00	39
1961	498.00	25
1962	563.00	35
1963	310.00	6
1964	212.00	1
1965	295.00	5
1966	533.00	30
1967	547.00	33
1968	586.00	37
1969	622.00	42
1970	451.00	20
1971	547.00	34
1972	254.00	3
1973	775.00	49
1974	638.00	44
1975	441.00	17
1976	616.00	40
1977	435.00	14
1978	520.00	28
1979	491.00	24
1980	447.00	19
1981	539.00	31
1982	908.00	53
1983	669.00	45
1984	586.00	38
1985	769.00	48

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	467.00	30
1933	608.00	14
1934	253.00	52
1935	315.00	50
1936	374.00	46
1937	509.00	27
1938	447.00	37
1939	522.00	25
1940	347.00	48
1941	206.00	53
1942	419.00	42
1943	815.00	2
1944	557.00	19
1945	421.00	41
1946	452.00	35
1947	512.00	26
1948	541.00	22
1949	465.00	31
1950	1000.00	1
1951	754.00	6
1952	710.00	7
1953	330.00	49
1954	458.00	33
1955	676.00	9
1956	603.00	15
1957	353.00	47
1958	447.00	36
1959	636.00	13
1960	659.00	11
1961	443.00	38
1962	465.00	32
1963	274.00	51
1964	197.00	54
1965	427.00	40
1966	495.00	29
1967	547.00	21
1968	675.00	10
1969	591.00	17
1970	457.00	34
1971	392.00	45
1972	407.00	44
1973	787.00	4
1974	586.00	18
1975	498.00	28
1976	552.00	20
1977	413.00	43
1978	592.00	16
1979	430.00	39
1980	535.00	24
1981	707.00	8
1982	757.00	5
1983	656.00	12
1984	538.00	23
1985	807.00	3

## 04100500 ELKHART RIVER AT GOSHEN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1932	218.00	373.00	467.00	782.00	828.00	571.00	579.00	382.00	258.00	560.00	235.00	360.00
1933	309.00	423.00	765.00	737.00	555.00	1013.0	1329.0	1114.0	350.00	267.00	221.00	208.00
1934	313.00	313.00	279.00	310.00	207.00	340.00	645.00	233.00	101.00	94.00	101.00	103.00
1935	90.90	124.00	146.00	326.00	339.00	643.00	454.00	687.00	346.00	200.00	272.00	144.00
1936	158.00	418.00	347.00	345.00	570.00	1087.0	575.00	541.00	143.00	97.40	96.80	116.00
1937	187.00	529.00	322.00	948.00	727.00	603.00	900.00	682.00	448.00	305.00	291.00	193.00
1938	153.00	159.00	205.00	328.00	791.00	873.00	1076.0	517.00	462.00	401.00	254.00	185.00
1939	170.00	222.00	297.00	319.00	879.00	1331.0	1158.0	473.00	386.00	311.00	536.00	218.00
1940	185.00	211.00	215.00	214.00	237.00	611.00	585.00	783.00	615.00	243.00	131.00	131.00
1941	163.00	168.00	245.00	252.00	261.00	348.00	371.00	246.00	179.00	108.00	73.00	58.50
1942	132.00	265.00	242.00	230.00	690.00	1257.0	839.00	325.00	242.00	188.00	377.00	268.00
1943	256.00	567.00	637.00	823.00	939.00	1051.0	666.00	2354.0	968.00	647.00	414.00	454.00
1944	318.00	439.00	256.00	212.00	389.00	1238.0	1693.0	1092.0	503.00	216.00	168.00	163.00
1945	172.00	190.00	182.00	168.00	369.00	699.00	941.00	930.00	485.00	236.00	343.00	344.00
1946	857.00	339.00	279.00	673.00	708.00	845.00	363.00	256.00	590.00	265.00	141.00	117.00
1947	142.00	229.00	238.00	426.00	499.00	537.00	1398.0	920.00	817.00	305.00	198.00	458.00
1948	265.00	309.00	484.00	564.00	711.00	1201.0	858.00	983.00	475.00	298.00	196.00	143.00
1949	137.00	198.00	262.00	919.00	1168.0	689.00	509.00	445.00	523.00	376.00	228.00	178.00
1950	353.00	239.00	617.00	1866.0	1561.0	1936.0	2424.0	776.00	572.00	718.00	485.00	556.00
1951	338.00	401.00	963.00	1005.0	1126.0	1077.0	1071.0	788.00	427.00	1079.0	504.00	278.00
1952	411.00	691.00	671.00	1438.0	1143.0	988.00	1034.0	709.00	613.00	366.00	260.00	210.00
1953	170.00	214.00	322.00	422.00	416.00	628.00	527.00	530.00	271.00	165.00	195.00	97.90
1954	97.40	126.00	172.00	183.00	352.00	646.00	1315.0	712.00	545.00	579.00	464.00	313.00
1955	1652.0	720.00	615.00	1055.0	703.00	1014.0	689.00	441.00	355.00	334.00	359.00	149.00
1956	381.00	605.00	356.00	245.00	724.00	980.00	800.00	1973.0	471.00	241.00	274.00	176.00
1957	143.00	171.00	224.00	294.00	397.00	368.00	1149.0	563.00	362.00	315.00	136.00	126.00
1958	174.00	319.00	655.00	510.00	373.00	541.00	370.00	222.00	279.00	417.00	712.00	784.00
1959	517.00	420.00	333.00	400.00	1657.0	1395.0	1304.0	718.00	360.00	305.00	175.00	137.00
1960	350.00	513.00	532.00	996.00	1042.0	672.00	1221.0	815.00	957.00	416.00	208.00	223.00
1961	216.00	240.00	204.00	175.00	300.00	998.00	1138.0	969.00	307.00	219.00	270.00	277.00
1962	274.00	349.00	367.00	493.00	613.00	1481.0	667.00	469.00	261.00	291.00	153.00	159.00
1963	155.00	163.00	144.00	122.00	108.00	1008.0	460.00	310.00	210.00	272.00	206.00	115.00
1964	99.90	130.00	122.00	158.00	156.00	301.00	535.00	365.00	160.00	184.00	87.30	66.30
1965	75.90	95.90	135.00	352.00	576.00	930.00	1084.0	793.00	272.00	153.00	216.00	458.00
1966	355.00	309.00	790.00	868.00	523.00	577.00	615.00	962.00	319.00	195.00	261.00	149.00
1967	131.00	331.00	1262.0	521.00	680.00	1131.0	1138.0	634.00	289.00	198.00	134.00	115.00
1968	217.00	416.00	1007.0	779.00	1437.0	714.00	825.00	455.00	828.00	832.00	377.00	251.00
1969	211.00	378.00	648.00	980.00	1225.0	508.00	1041.0	811.00	395.00	478.00	278.00	184.00
1970	224.00	428.00	358.00	271.00	406.00	545.00	1272.0	888.00	450.00	232.00	215.00	210.00
1971	295.00	421.00	486.00	271.00	991.00	882.00	449.00	360.00	212.00	162.00	120.00	106.00
1972	113.00	124.00	272.00	348.00	202.00	570.00	960.00	803.00	253.00	334.00	232.00	670.00
1973	871.00	1132.0	1007.0	1187.0	790.00	1055.0	1069.0	742.00	789.00	325.00	280.00	195.00
1974	190.00	203.00	384.00	915.00	1122.0	1479.0	860.00	789.00	519.00	297.00	162.00	143.00
1975	130.00	222.00	263.00	533.00	662.00	730.00	910.00	741.00	1000.0	377.00	238.00	197.00
1976	159.00	232.00	574.00	303.00	1154.0	1536.0	550.00	486.00	373.00	515.00	533.00	227.00
1977	254.00	241.00	211.00	183.00	357.00	1268.0	824.00	399.00	204.00	409.00	236.00	360.00
1978	368.00	318.00	845.00	444.00	327.00	1476.0	1772.0	694.00	290.00	238.00	151.00	159.00
1979	190.00	192.00	248.00	296.00	234.00	1416.0	1005.0	639.00	244.00	188.00	306.00	175.00
1980	219.00	279.00	504.00	455.00	340.00	1002.0	1293.0	510.00	796.00	258.00	367.00	399.00
1981	302.00	215.00	454.00	305.00	918.00	703.00	966.00	1325.0	1516.0	912.00	417.00	487.00
1982	458.00	542.00	492.00	527.00	734.00	2497.0	1405.0	622.00	665.00	653.00	286.00	198.00
1983	220.00	834.00	1276.0	712.00	573.00	584.00	1211.0	1314.0	486.00	307.00	198.00	144.00
1984	192.00	287.00	686.00	389.00	890.00	936.00	962.00	719.00	596.00	258.00	314.00	254.00
1985	401.00	642.00	755.00	1003.0	1206.0	2138.0	1959.0	487.00	362.00	213.00	210.00	349.00

STREAMS TRIBUTARY TO LAKE MICHIGAN  
04100500 ELKHART RIVER AT GOSHEN, IN--Continued

813

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
157.00	209.00	244.00	288.00	366.00	609.00
FIFTIETH PERCENTILE					
217.00	309.00	357.00	424.00	671.00	933.00
SEVENTY FIFTH PERCENTILE					
323.00	422.00	640.00	792.00	923.00	1210.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
608.00	466.00	272.00	215.00	173.00	143.00
FIFTIETH PERCENTILE					
951.00	691.00	391.00	298.00	236.00	194.00
SEVENTY FIFTH PERCENTILE					
1171.00	812.00	577.00	403.00	321.00	287.00

LOCATION.--Lat 41°41'30", long 85°58'30", in SW¼NE¼ sec.5, T.37 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on left bank 200 ft downstream from Elkhart River, 200 ft upstream from Main Street bridge in Elkhart, 2,000 ft downstream from Christiana Creek, 0.5 mi downstream from Elkhart Hydroelectric Plant, and at mile 76.5.

PERIOD OF RECORD.--August 1947 to September 1985. Gage heights at site 0.8 mi downstream at different datum from September 1924 to March 1926 are available from the district office.

REMARKS.--The flow is regulated by Elkhart Hydroelectric Plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,800 ft<sup>3</sup>/s Feb. 27, 1985; maximum gage height, 27.91 ft Mar. 21, 1982; minimum daily discharge, 336 ft<sup>3</sup>/s Aug. 5, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
1948										1	1	11	NUMBER OF DAYS IN CLASS										14	10	19	5	8	6	3	3	4						
1949									1	5	10	41	18	47	34	27	16	17	35	25	27	18	11	10	10	7	5	1									
1950													5	15	32	18	36	23	10	18	17	21	17	34	28	26	18	17	3	5	3	15	3	1			
1951												1	1	1	6	24	31	34	29	37	38	40	35	38	26	10	7	9	1								
1952													18	39	20	21	15	23	39	20	37	35	31	30	19	13	3										
1953							3	12	16	15	21	10	29	42	36	32	37	64	34	8	4	2															
1954							1	3	7	22	18	44	21	28	26	28	8	20	20	16	33	19	5	15	15	11	2	1	2								
1955										2	4	9	9	21	23	31	19	20	41	36	46	20	31	20	16	10	6		1								
1956												6	4	18	35	54	33	42	65	12	20	18	6	8	5	4	15	11	6	1	2	1					
1957						2			3	4	14	48	16	38	34	41	39	47	38	7	7	16	6	5													
1958								1		6	3	11	7	16	29	55	50	69	43	26	22	4	22	1													
1959								1	1	1	5	20	13	38	52	54	29	22	16	7	14	13	8	10	28	21	10	2									
1960													2	7	38	20	29	47	34	40	35	38	23	22	20	6	5										
1961									1		2	8	14	31	51	61	30	32	44	17	16	9	16	11	5	5	3	4	4	1							
1962									1	5	12	18	10	13	17	46	23	57	72	21	20	9	10	6	3	2	8	9	3								
1963							2	2	7	6	22	28	83	39	54	18	24	14	23	7	6	6	4	8	9	3											
1964	1			3	2	8	23	36	39	30	33	73	16	22	12	13	14	21	14	5	1																
1965							3	26	16	10	11	38	14	37	24	29	19	21	18	6	13	16	17	20	24	3											
1966										1	6	10	5	33	31	4																					

## 04101000 ST. JOSEPH RIVER AT ELKHART, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13880	100.00	12	1300.0	379	12567	90.54	24	5400.0	583	1792	12.91
1	336.0	1	13880	100.00	13	1400.0	875	12188	87.81	25	6100.0	477	1209	8.71
2	380.0	0	13879	99.99	14	1600.0	885	11313	81.51	26	6900.0	305	732	5.27
3	430.0	3	13879	99.99	15	1800.0	1314	10428	75.13	27	7800.0	184	427	3.08
4	480.0	2	13876	99.97	16	2100.0	856	9114	65.66	28	8800.0	86	243	1.75
5	550.0	12	13874	99.96	17	2300.0	1161	8258	59.50	29	9900.0	56	157	1.13
6	620.0	30	13862	99.87	18	2600.0	1266	7097	51.13	30	11000.0	51	101	0.73
7	690.0	77	13832	99.65	19	3000.0	815	5831	42.01	31	13000.0	7	50	0.36
8	780.0	97	13755	99.10	20	3300.0	1092	5016	36.14	32	14000.0	26	43	0.31
9	880.0	164	13658	98.40	21	3800.0	812	3924	28.27	33	16000.0	13	17	0.12
10	1000.0	224	13494	97.22	22	4300.0	697	3112	22.42	34	18000.0	4	4	0.03
11	1100.0	703	13270	95.61	23	4800.0	623	2415	17.40					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 1120.0  
 P90 = 1320.0  
 P75 = 1800.0  
 P70 = 1960.0  
 P50 = 2650.0  
 P25 = 4080.0  
 P10 = 5890.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1949	870.00 12	980.00 9	1080.00 12	1140.00 12	1170.00 10	1260.00 9	1340.00 8	1390.00 6	1600.00 7
1950	976.00 18	1020.00 12	1090.00 13	1140.00 13	1240.00 13	1380.00 14	1540.00 16	1700.00 18	1900.00 15
1951	1760.00 35	1960.00 35	2010.00 35	2080.00 35	2160.00 35	2400.00 36	2420.00 34	2530.00 34	3070.00 35
1952	1640.00 34	1710.00 34	1790.00 33	1830.00 33	1930.00 34	2120.00 34	2520.00 35	2840.00 36	3160.00 36
1953	1290.00 31	1410.00 31	1520.00 31	1610.00 32	1630.00 30	1670.00 24	1740.00 23	1860.00 24	2030.00 21
1954	649.00 5	795.00 3	871.00 4	888.00 4	914.00 3	937.00 3	976.00 3	1050.00 3	1140.00 3
1955	1150.00 28	1260.00 26	1420.00 27	1450.00 25	1550.00 26	1770.00 29	1980.00 29	2260.00 31	2940.00 34
1956	968.00 17	1020.00 13	1140.00 18	1200.00 16	1310.00 17	1520.00 21	1650.00 21	1780.00 21	1990.00 17
1957	564.00 3	816.00 6	912.00 5	1040.00 7	1090.00 6	1240.00 8	1390.00 9	1500.00 9	1710.00 8
1958	776.00 8	907.00 7	995.00 8	1050.00 8	1150.00 8	1230.00 7	1270.00 6	1440.00 7	1770.00 10
1959	949.00 15	1210.00 25	1430.00 28	1460.00 26	1650.00 31	1780.00 31	1870.00 27	1920.00 25	2060.00 22
1960	764.00 7	990.00 11	1030.00 9	1090.00 10	1200.00 11	1380.00 15	1500.00 15	1640.00 14	2010.00 18
1961	1000.00 19	1050.00 16	1290.00 23	1340.00 23	1440.00 22	1510.00 20	1650.00 22	1660.00 15	1770.00 11
1962	838.00 11	1150.00 23	1430.00 29	1530.00 29	1740.00 32	2060.00 33	2230.00 33	2290.00 32	2340.00 27
1963	645.00 4	806.00 4	990.00 7	1030.00 6	1080.00 5	1160.00 5	1210.00 5	1260.00 5	1270.00 5
1964	454.00 2	566.00 2	690.00 2	716.00 2	765.00 2	855.00 2	941.00 2	942.00 2	1010.00 2
1965	336.00 1	462.00 1	561.00 1	637.00 1	711.00 1	718.00 1	749.00 1	766.00 1	908.00 1
1966	1050.00 25	1090.00 20	1130.00 17	1180.00 15	1280.00 14	1370.00 13	1490.00 14	1690.00 17	1800.00 14
1967	968.00 16	1120.00 21	1260.00 21	1300.00 21	1310.00 18	1330.00 12	1470.00 12	1500.00 10	1770.00 12
1968	810.00 10	984.00 10	1050.00 10	1070.00 9	1130.00 7	1170.00 6	1280.00 7	1510.00 11	2010.00 19
1969	1490.00 33	1640.00 33	1850.00 34	1900.00 34	1930.00 33	2030.00 32	2140.00 32	2320.00 33	2920.00 32
1970	1170.00 29	1370.00 30	1470.00 30	1590.00 30	1610.00 28	1740.00 27	1930.00 28	2150.00 27	2180.00 25
1971	1240.00 30	1300.00 27	1390.00 24	1450.00 24	1540.00 24	1770.00 30	2030.00 30	2150.00 28	2510.00 29
1972	651.00 6	812.00 5	846.00 3	887.00 3	963.00 4	1090.00 4	1140.00 4	1160.00 4	1240.00 4
1973	1040.00 24	1070.00 19	1190.00 19	1220.00 18	1280.00 15	1470.00 18	1560.00 17	1820.00 22	2380.00 28
1974	1140.00 27	1340.00 29	1410.00 25	1510.00 28	1580.00 27	1720.00 26	1780.00 24	1930.00 26	2160.00 24
1975	799.00 9	1120.00 22	1280.00 22	1300.00 22	1360.00 21	1420.00 16	1470.00 13	1560.00 13	1760.00 9
1976	1000.00 20	1320.00 28	1420.00 26	1500.00 27	1540.00 25	1710.00 25	2120.00 31	2160.00 29	2550.00 30
1977	930.00 14	1060.00 17	1110.00 14	1120.00 11	1160.00 9	1300.00 10	1420.00 10	1480.00 8	1510.00 6
1978	927.00 13	929.00 8	950.00 6	1010.00 5	1220.00 12	1330.00 11	1470.00 11	1540.00 12	1780.00 13
1979	1010.00 21	1040.00 15	1130.00 15	1280.00 19	1320.00 20	1550.00 22	1630.00 20	1670.00 16	1940.00 16
1980	1090.00 26	1180.00 24	1260.00 20	1280.00 20	1490.00 23	1620.00 23	1810.00 25	1840.00 23	2030.00 20
1981	1930.00 36	2000.00 36	2090.00 36	2180.00 36	2260.00 36	2360.00 35	2650.00 36	2640.00 35	2850.00 31
1982	2300.00 37	2440.00 37	2590.00 37	2840.00 37	3200.00 37	3290.00 37	3400.00 37	3410.00 37	3530.00 37
1983	1320.00 32	1450.00 32	1540.00 32	1610.00 31	1630.00 29	1760.00 28	1860.00 26	2230.00 30	2940.00 33
1984	1010.00 22	1060.00 18	1130.00 16	1210.00 17	1310.00 19	1460.00 17	1600.00 18	1710.00 19	2070.00 23
1985	1020.00 23	1030.00 14	1080.00 11	1160.00 14	1300.00 16	1490.00 19	1610.00 19	1760.00 20	2290.00 26

## 04101000 ST. JOSEPH RIVER AT ELKHART, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	12200.00 6	11800.00 6	11000.00 6	9040.00 9	7300.00 11	6330.00 12	6010.00 9	5380.00 11	4360.00 17
1949	8480.00 22	7760.00 25	7350.00 26	6820.00 23	5530.00 30	4880.00 29	4540.00 29	4160.00 31	3600.00 29
1950	18200.00 2	17300.00 3	16100.00 3	15200.00 2	12800.00 2	11200.00 1	9670.00 1	9110.00 1	7790.00 1
1951	9020.00 17	8540.00 18	8250.00 17	7600.00 17	6400.00 21	5410.00 23	5230.00 19	5030.00 18	4810.00 11
1952	9380.00 15	9140.00 15	8560.00 16	8140.00 15	7640.00 9	6510.00 10	6110.00 7	6060.00 6	5530.00 6
1953	4650.00 37	4380.00 37	4120.00 37	3730.00 37	3420.00 37	3190.00 37	3050.00 37	2930.00 36	2720.00 36
1954	9020.00 18	8600.00 17	7660.00 21	6710.00 26	6080.00 24	5370.00 24	4780.00 25	4390.00 24	3750.00 27
1955	9000.00 20	7780.00 24	7640.00 22	6770.00 24	5410.00 31	4690.00 32	4440.00 31	4300.00 25	4250.00 21
1956	13000.00 5	11900.00 5	10500.00 10	9020.00 10	8040.00 7	5820.00 18	5820.00 13	5260.00 14	4240.00 22
1957	5030.00 35	4960.00 35	4760.00 35	4440.00 35	4300.00 35	3600.00 34	3220.00 34	3030.00 35	2750.00 35
1958	4800.00 36	4660.00 36	4640.00 36	4380.00 36	3770.00 36	3230.00 36	3170.00 35	3080.00 34	2860.00 33
1959	7800.00 26	7670.00 26	7590.00 23	7330.00 19	6650.00 19	6250.00 13	5740.00 14	5110.00 16	4030.00 24
1960	8000.00 25	7800.00 22	7470.00 25	6360.00 29	5790.00 26	5150.00 26	4960.00 22	4940.00 20	4810.00 12
1961	10000.00 13	9730.00 13	9120.00 14	8070.00 16	6720.00 18	5130.00 27	4770.00 26	4240.00 30	3520.00 30
1962	9020.00 19	8960.00 16	8740.00 15	8220.00 14	7240.00 12	5610.00 20	4740.00 28	4270.00 29	3710.00 28
1963	5970.00 34	5720.00 34	5420.00 34	5160.00 34	4530.00 34	3580.00 35	3060.00 36	2690.00 37	2240.00 37
1964	3730.00 38	3420.00 38	3080.00 38	2830.00 38	2650.00 38	2500.00 38	2180.00 38	1960.00 38	1690.00 38
1965	6680.00 32	6400.00 32	6050.00 33	5800.00 32	5590.00 29	5190.00 25	4760.00 27	4300.00 26	3490.00 31
1966	9310.00 16	8370.00 20	7920.00 19	7310.00 20	5830.00 25	4790.00 31	4480.00 30	4270.00 27	4260.00 20
1967	8100.00 24	7790.00 23	7540.00 24	7120.00 21	6780.00 17	6090.00 14	5300.00 18	4790.00 22	4400.00 16
1968	12100.00 7	11600.00 7	10800.00 7	9120.00 8	7150.00 16	6030.00 15	5530.00 17	5380.00 12	4790.00 13
1969	11600.00 9	11200.00 9	10600.00 8	9240.00 7	7720.00 8	6420.00 11	6000.00 10	6060.00 7	5670.00 5
1970	7670.00 27	7480.00 27	7140.00 28	6520.00 28	6400.00 20	5800.00 19	5040.00 21	4530.00 23	3810.00 26
1971	7260.00 29	7220.00 29	7140.00 29	6750.00 25	6310.00 23	5580.00 21	4810.00 24	4270.00 28	3920.00 25
1972	6970.00 30	6750.00 30	6480.00 30	5780.00 33	5270.00 33	4820.00 30	4370.00 32	3820.00 32	3400.00 32
1973	8880.00 21	8500.00 19	8150.00 18	6950.00 22	6370.00 22	6000.00 16	5690.00 15	5560.00 9	5390.00 7
1974	11100.00 11	11000.00 10	10500.00 9	9580.00 6	8280.00 6	7460.00 6	7020.00 4	6620.00 4	5820.00 4
1975	6510.00 33	6390.00 33	6150.00 32	5960.00 30	5680.00 28	5120.00 28	4850.00 23	4810.00 21	4340.00 18
1976	13300.00 4	12900.00 4	12200.00 4	10900.00 4	9730.00 5	7860.00 4	6910.00 5	6200.00 5	5200.00 9
1977	6930.00 31	6690.00 31	6230.00 31	5830.00 31	5300.00 32	4660.00 33	4120.00 33	3500.00 33	2800.00 34
1978	12000.00 8	11600.00 8	11200.00 5	10900.00 5	10100.00 4	7520.00 5	6150.00 6	5490.00 10	4770.00 14
1979	11400.00 10	10700.00 11	9980.00 11	8560.00 12	7220.00 13	6590.00 8	5870.00 12	5050.00 17	4150.00 23
1980	8280.00 23	8120.00 21	7740.00 20	7500.00 18	7180.00 15	5830.00 17	5560.00 16	5130.00 15	4520.00 15
1981	10600.00 12	10200.00 12	9610.00 12	8600.00 11	7220.00 14	6570.00 9	6070.00 8	5750.00 8	5360.00 8
1982	18500.00 1	18200.00 1	17800.00 1	16100.00 1	13200.00 1	9790.00 3	8190.00 3	7180.00 3	5940.00 3
1983	9600.00 14	9380.00 14	9310.00 13	8470.00 13	7630.00 10	6810.00 7	5940.00 11	5330.00 13	5070.00 10
1984	7460.00 28	7440.00 28	7260.00 27	6660.00 27	5740.00 27	5440.00 22	5200.00 20	5020.00 19	4320.00 19
1985	17900.00 3	17600.00 2	16500.00 2	14800.00 3	11500.00 3	10500.00 2	8330.00 2	7600.00 2	6270.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1949	2950.00 14
1950	3670.00 26
1951	4780.00 36
1952	4230.00 35
1953	2940.00 12
1954	1840.00 3
1955	3700.00 28
1956	2610.00 7
1957	2660.00 9
1958	2480.00 6
1959	2650.00 8
1960	3180.00 18
1961	2950.00 13
1962	3210.00 20
1963	2060.00 5
1964	1430.00 1
1965	1800.00 2
1966	2960.00 15
1967	3020.00 16
1968	3600.00 24
1969	3860.00 30
1970	3270.00 21

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	3190.00 19
1949	2570.00 29
1950	5260.00 1
1951	3830.00 10
1952	4180.00 4
1953	2090.00 35
1954	2550.00 30
1955	3220.00 17
1956	3190.00 18
1957	2090.00 36
1958	2430.00 32
1959	2890.00 25
1960	3700.00 13
1961	2700.00 28
1962	2790.00 26
1963	1730.00 37
1964	1280.00 38
1965	2420.00 33
1966	3050.00 22
1967	3040.00 23
1968	3900.00 8
1969	4170.00 5



## 04101000 ST. JOSEPH RIVER AT ELKHART, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	3640.00	25
1972	2010.00	4
1973	3720.00	29
1974	3950.00	33
1975	3180.00	19
1976	3930.00	31
1977	2710.00	10
1978	2830.00	11
1979	3290.00	22
1980	3150.00	17
1981	3680.00	27
1982	4880.00	37
1983	3950.00	32
1984	3490.00	23
1985	4130.00	34

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	2990.00	24
1971	2780.00	27
1972	2510.00	31
1973	4170.00	6
1974	3890.00	9
1975	3240.00	16
1976	3710.00	12
1977	2200.00	34
1978	3500.00	15
1979	3060.00	21
1980	3630.00	14
1981	4120.00	7
1982	4470.00	2
1983	3760.00	11
1984	3130.00	20
1985	4230.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1948	1901.0	2188.0	2856.0	2561.0	3160.0	7062.0	4930.0	5410.0	2880.0	2204.0	1682.0	1360.0
1949	1174.0	1538.0	1717.0	3695.0	5355.0	3665.0	3940.0	2537.0	2605.0	2061.0	1327.0	1468.0
1950	2325.0	1776.0	3456.0	7315.0	6461.0	8846.0	12690.0	6209.0	4922.0	3921.0	2631.0	2770.0
1951	2260.0	2577.0	4320.0	5104.0	5209.0	4918.0	4774.0	4559.0	3316.0	3918.0	3033.0	2031.0
1952	2754.0	4131.0	4005.0	7086.0	5887.0	5314.0	5896.0	4765.0	3920.0	2580.0	2124.0	1813.0
1953	1705.0	1862.0	2311.0	2480.0	2460.0	3349.0	2966.0	2734.0	1762.0	1199.0	1327.0	976.00
1954	952.00	1140.0	1305.0	1285.0	2559.0	3951.0	5921.0	3956.0	3346.0	2677.0	1973.0	1583.0
1955	4935.0	3425.0	3321.0	4430.0	3556.0	5216.0	3917.0	2560.0	2195.0	1995.0	1719.0	1342.0
1956	2322.0	2623.0	2307.0	1786.0	3056.0	5483.0	3759.0	7725.0	3037.0	2150.0	2292.0	1617.0
1957	1241.0	1402.0	1861.0	1840.0	2429.0	2465.0	4009.0	3160.0	2239.0	1950.0	1268.0	1315.0
1958	1469.0	2451.0	3145.0	2891.0	2283.0	3584.0	2633.0	1911.0	1714.0	2111.0	2399.0	2492.0
1959	2045.0	2095.0	1838.0	1827.0	4721.0	6218.0	5400.0	3915.0	2230.0	1755.0	1481.0	1298.0
1960	2397.0	2972.0	3081.0	4931.0	5198.0	3573.0	5637.0	4258.0	4866.0	3449.0	2112.0	2026.0
1961	1861.0	1784.0	1737.0	1511.0	1960.0	4219.0	4952.0	5020.0	2447.0	1771.0	2672.0	2439.0
1962	2307.0	2478.0	2520.0	2694.0	2848.0	6334.0	4554.0	3061.0	2176.0	1945.0	1353.0	1217.0
1963	1352.0	1421.0	1315.0	1207.0	1120.0	3981.0	2932.0	2117.0	1588.0	1322.0	1441.0	962.00
1964	791.00	1097.0	958.00	1127.0	1154.0	1679.0	2642.0	2134.0	1319.0	1055.0	737.00	721.00
1965	799.00	856.00	1356.0	2079.0	3328.0	4680.0	5495.0	3567.0	1883.0	1393.0	1466.0	2195.0
1966	2037.0	1973.0	3555.0	4651.0	3582.0	3809.0	4028.0	5504.0	2591.0	1712.0	1705.0	1389.0
1967	1312.0	2111.0	4514.0	2827.0	3405.0	5171.0	6515.0	3943.0	2611.0	1721.0	1181.0	1199.0
1968	2086.0	3398.0	5053.0	4309.0	7039.0	4314.0	4754.0	2941.0	3795.0	4409.0	2701.0	2098.0
1969	2045.0	2744.0	4165.0	5840.0	6871.0	4239.0	6637.0	5629.0	4651.0	3476.0	2355.0	1630.0
1970	2145.0	2676.0	2379.0	2034.0	2460.0	3200.0	6323.0	5237.0	3249.0	2366.0	2071.0	1807.0
1971	2542.0	3057.0	3635.0	2425.0	5321.0	5791.0	3374.0	2307.0	1576.0	1251.0	1042.0	1193.0
1972	1223.0	1299.0	2070.0	2894.0	2080.0	3742.0	4887.0	4385.0	2043.0	1739.0	1354.0	2393.0
1973	2987.0	4275.0	4564.0	6068.0	4313.0	5644.0	6034.0	4605.0	4917.0	2604.0	2449.0	1597.0
1974	1854.0	1962.0	2771.0	5035.0	5604.0	8045.0	6307.0	5800.0	4074.0	2276.0	1557.0	1498.0
1975	1373.0	1934.0	2115.0	3216.0	3589.0	4444.0	4902.0	4955.0	4642.0	2476.0	2341.0	2976.0
1976	1666.0	1823.0	4111.0	2812.0	5537.0	8934.0	4790.0	5035.0	3112.0	2981.0	2242.0	1441.0
1977	1683.0	1717.0	1532.0	1315.0	1764.0	4850.0	4380.0	2663.0	1525.0	1601.0	1311.0	2095.0
1978	2211.0	2080.0	4116.0	3465.0	2810.0	5694.0	8386.0	4142.0	2555.0	3342.0	1422.0	1701.0
1979	1781.0	1848.0	2364.0	2670.0	2318.0	6879.0	6031.0	4486.0	2341.0	1977.0	2337.0	1600.0
1980	1683.0	2435.0	3668.0	3522.0	2792.0	4866.0	6492.0	3555.0	5405.0	2592.0	3007.0	3626.0
1981	2481.0	2264.0	3355.0	2500.0	4668.0	4411.0	4411.0	5882.0	7213.0	4257.0	4180.0	3855.0
1982	3963.0	3468.0	3313.0	3479.0	3601.0	10760.0	8309.0	4563.0	4671.0	3648.0	2118.0	1713.0
1983	1825.0	3860.0	5638.0	3921.0	3512.0	3669.0	6551.0	6993.0	3467.0	2407.0	1874.0	1400.0
1984	1705.0	2103.0	3396.0	2674.0	4426.0	4880.0	5441.0	4517.0	3653.0	1778.0	1428.0	1668.0
1985	2507.0	3417.0	3799.0	5519.0	5896.0	9975.0	8822.0	3423.0	2458.0	1680.0	1623.0	1753.0

## STREAMS TRIBUTARY TO LAKE MICHIGAN

04101000 ST. JOSEPH RIVER AT ELKHART, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
1445.00	1782.00	2018.00	2068.00	2460.00	3792.00
FIFTIETH PERCENTILE					
1881.00	2107.00	3113.00	2859.00	3534.00	4858.00
SEVENTY FIFTH PERCENTILE					
2323.00	2801.00	3851.00	4485.00	5237.00	5898.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
4023.00	3031.00	2190.00	1735.00	1405.00	1356.00
FIFTIETH PERCENTILE					
4941.00	4322.00	2746.00	2131.00	1797.00	1624.00
SEVENTY FIFTH PERCENTILE					
6311.00	5086.00	3959.00	2753.00	2345.00	2096.00

## 04177720 FISH CREEK AT HAMILTON, IN

LOCATION.--Lat 41°31'55", long 84°54'12", in SE¼SW¼ sec.34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003, on left bank 6 ft upstream from bridge on County Road 775 South, 0.5 mi downstream from Hamilton Lake outlet, and 0.5 mi southeast of Hamilton.

DRAINAGE AREA.--37.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1969 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 876.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--16 years, 32.8 ft<sup>3</sup>/s, 11.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 654 ft<sup>3</sup>/s Feb. 24, 1985, gage height, 11.95 ft; minimum daily, 0.52 ft<sup>3</sup>/s Aug. 31, 1971.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1970						7	25	11	15	15	33	26	21	52	10	14	7	21	15	17	15	13	12	9	12	7	6	1	1								
1971		2	1	2	2																																
1972						9	6	12	19	15	23	21	26	25	33	21	15	30	20	16	21	14	7	6	3	5	6	2	2	1							
1973						8	8	39	41	29	12	10	13	19	14	26	22	20	15	19	29	11	8	3	6	10	3	1									
1974									7	9	9	3	11	14	19	18	16	24	36	40	33	35	28	20	12	19	6	4			2						
1975						2	18	27	21	24	20	10	8	15	10	21	19	15	14	23	19	12	23	15	9	11	7	3	10	4	5						
									7	17	24	19	28	24	12	12	29	19	15	15	30	29	24	14	16	11	8	3	5	4							
1976								8	12	15	25	22	17	15	26	30	36	30	18	18	16	11	18	7	8	6	5	5	4	6	5	1	2				
1977						5	7	22	35	25	35	63	20	16	18	14	14	5	10	12	8	8	11	10	9	7	3	5	2	1							
1978								3	19	21	29	33	18	68	31	19	9	18	14	9	12	9	9	8	9	6	4	8	4	2	2	1					
1979								12	26	24	31	28	45	30	23	15	11	13	19	22	11	20	5	9	7	6	4	1	2			1					
1980								10	14	3	13	19	16	23	17	16	39	24	31	31	23	26	12	10	15	8	8	6	2								
1981						4	6	5	13	13	17	16	25	33	20	31	23	23	28	18	17	17	9	10	10	7	7	6	6	1							
1982							22	25	11	6	3	5	2	15	14	27	38	41	44	29	21	9	15	13	10	1	2	1	1	2	3	5					
1983						2	20	16	46	17	9	7	6	3	4	7	12	26	22	31	25	26	13	14	10	10	5	5	1	1	2						
1984						2	10	16	21	26	28	11	16	27	37	20	22	11	11	15	8	19	13	12	9	12	4	10	3	3							
1985						1	21	19	12	19	22	24	11	25	26	26	16	17	30	12	17	12	9	10	9	5	7	5	5	2	1	2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.00	12	5.5	314	4455	76.23	24	71.0	171	701	12.00
1	0.52	2	5844	100.00	13	6.8	339	4141	70.86	25	88.0	153	530	9.07
2	0.64	1	5842	99.97	14	8.4	275	3802	65.06	26	110.0	135	377	6.45
3	0.80	2	5841	99.95	15	10.0	386	3527	60.35	27	140.0	64	242	4.14
4	0.99	2	5839	99.91	16	13.0	314	3141	53.75	28	170.0	73	178	3.05
5	1.2	28	5837	99.88	17	16.0	366	2827	48.37	29	210.0	45	105	1.80
6	1.5	84	5809	99.40	18	20.0	282	2461	42.11	30	260.0	33	60	1.03
7	1.9	135	5725	97.96	19	24.0	345	2179	37.29	31	320.0	11	27	0.46
8	2.3	270	5590	95.65	20	30.0	391	1834	31.38	32	390.0	8	16	0.27
9	2.9	287	5320	91.03	21	38.0	266	1443	24.69	33	490.0	8	8	0.14
10	3.6	288	5033	86.12	22	46.0	293	1177	20.14	34	610.0	0	0	0.00
11	4.4	290	4745	81.19	23	58.0	183	884	15.13					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.4  
P90 = 3.0  
P75 = 5.8  
P70 = 7.0  
P50 = 15.1  
P25 = 37.6  
P10 = 82.6

## STREAMS TRIBUTARY TO LAKE ERIE

04177720 FISH CREEK AT HAMILTON, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1971	1.19 2	1.30 3	1.40 3	1.50 3	1.60 1	2.50 3	2.80 3	3.20 3	5.50 4
1972	0.52 1	0.61 1	0.82 1	1.10 1	1.80 2	2.80 4	2.90 4	2.90 1	3.40 1
1973	1.30 3	1.30 2	1.40 2	1.40 2	1.80 3	4.10 7	3.80 7	5.90 7	12.00 9
1974	2.80 13	2.90 13	2.90 13	3.40 14	3.60 11	4.50 9	4.90 8	6.70 9	15.00 10
1975	1.40 4	1.40 4	1.50 4	1.60 4	2.00 5	2.20 1	2.30 1	3.40 4	4.50 2
1976	1.90 9	2.00 9	2.10 9	2.60 9	3.80 13	6.50 14	8.90 13	11.00 12	20.00 14
1977	1.60 6	1.70 6	1.90 7	2.20 8	2.70 6	3.00 5	3.20 5	4.00 5	4.70 3
1978	2.30 11	2.30 11	2.40 11	2.70 10	3.50 10	5.90 11	6.20 10	10.00 11	11.00 7
1979	2.80 14	2.90 14	3.00 14	3.10 13	3.70 12	4.70 10	5.40 9	5.50 6	9.20 6
1980	2.30 12	2.50 12	2.70 12	2.80 12	3.00 8	4.20 8	7.50 12	12.00 13	12.00 8
1981	1.90 10	2.00 10	2.10 10	2.70 11	5.00 14	6.30 12	10.00 14	13.00 14	15.00 11
1982	3.10 15	3.30 15	3.90 15	6.50 15	16.00 15	22.00 15	23.00 15	26.00 15	28.00 15
1983	1.70 7	1.70 7	2.00 8	2.10 7	2.70 7	3.10 6	3.30 6	6.30 8	18.00 13
1984	1.40 5	1.40 5	1.60 5	1.60 5	1.80 4	2.20 2	2.40 2	3.20 2	7.20 5
1985	1.80 8	1.80 8	1.90 6	2.10 6	3.40 9	6.40 13	6.40 11	7.80 10	17.00 12

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1970	170.00 15	155.00 15	123.00 15	92.00 15	82.00 15	66.00 14	55.00 14	47.00 14	34.00 14
1971	215.00 14	188.00 14	141.00 14	107.00 14	86.00 14	66.00 15	49.00 15	42.00 15	33.00 15
1972	153.00 16	140.00 16	117.00 16	87.00 16	60.00 16	57.00 16	46.00 16	37.00 16	30.00 16
1973	302.00 10	256.00 10	165.00 12	110.00 12	92.00 13	71.00 13	65.00 12	63.00 10	57.00 8
1974	301.00 11	281.00 6	254.00 5	193.00 5	114.00 7	112.00 5	92.00 4	80.00 3	64.00 5
1975	242.00 12	218.00 12	157.00 13	107.00 13	97.00 11	76.00 12	68.00 10	65.00 9	57.00 9
1976	434.00 4	387.00 4	306.00 4	225.00 4	198.00 3	119.00 4	87.00 5	76.00 5	58.00 6
1977	304.00 8	253.00 11	181.00 10	128.00 9	99.00 10	84.00 9	70.00 9	54.00 12	40.00 12
1978	491.00 3	468.00 3	370.00 3	273.00 2	218.00 2	130.00 3	95.00 3	79.00 4	66.00 3
1979	321.00 7	277.00 9	194.00 8	124.00 11	96.00 12	82.00 11	62.00 13	49.00 13	39.00 13
1980	227.00 13	196.00 13	179.00 11	139.00 7	125.00 5	85.00 6	77.00 8	67.00 8	54.00 11
1981	332.00 6	280.00 7	233.00 6	169.00 6	119.00 6	85.00 7	81.00 6	74.00 6	64.00 4
1982	596.00 2	553.00 2	519.00 1	384.00 1	241.00 1	153.00 1	116.00 1	98.00 1	75.00 1
1983	362.00 5	330.00 5	214.00 7	128.00 10	104.00 8	85.00 8	65.00 11	57.00 11	56.00 10
1984	302.00 9	277.00 8	182.00 9	131.00 8	100.00 9	83.00 10	77.00 7	73.00 7	58.00 7
1985	609.00 1	557.00 1	395.00 2	265.00 3	165.00 4	137.00 2	98.00 2	94.00 2	74.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	26.00 4
1972	13.00 1
1973	35.00 9
1974	44.00 12
1975	24.00 3
1976	46.00 13
1977	19.00 2
1978	35.00 10
1979	28.00 5
1980	28.00 6
1981	33.00 7
1982	59.00 15
1983	35.00 11
1984	33.00 8
1985	48.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	20.00 14
1971	20.00 15
1972	18.00 16
1973	44.00 2
1974	35.00 8
1975	34.00 11
1976	35.00 9
1977	24.00 12
1978	39.00 5
1979	24.00 13
1980	36.00 6
1981	41.00 4
1982	46.00 1
1983	35.00 7
1984	34.00 10
1985	42.00 3

## 04177720 FISH CREEK AT HAMILTON, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1970	3.95	18.00	9.11	9.07	19.80	45.60	78.40	40.20	7.36	3.59	1.89	3.26
1971	6.15	13.20	21.90	8.76	82.70	50.30	18.70	16.90	11.60	3.30	1.92	4.16
1972	3.28	2.46	15.50	19.50	8.37	54.00	55.10	25.30	4.42	6.58	2.32	15.90
1973	18.30	66.50	48.70	52.20	32.90	89.00	51.20	47.20	42.40	63.00	11.60	4.48
1974	5.19	9.54	35.20	99.20	66.70	86.90	44.70	49.40	13.70	3.96	2.40	2.31
1975	5.48	5.11	10.90	46.50	61.20	40.40	71.20	62.80	62.00	10.00	21.40	8.30
1976	5.99	18.20	55.00	14.00	129.00	104.00	25.80	14.20	14.10	27.30	6.97	3.37
1977	2.70	4.43	7.25	5.96	24.70	93.70	70.60	24.80	5.19	6.48	20.60	18.80
1978	10.50	10.20	85.10	16.10	11.10	138.00	112.00	31.50	14.20	25.60	5.65	6.94
1979	4.17	6.44	14.80	17.70	7.84	89.50	73.00	20.40	7.53	7.63	35.00	7.34
1980	3.55	18.50	44.50	20.00	18.50	84.40	79.20	36.90	56.80	22.90	25.90	19.60
1981	5.84	7.30	26.70	10.20	87.70	28.10	76.50	45.30	119.00	31.50	17.10	47.10
1982	28.00	25.50	21.80	34.30	39.90	219.00	77.00	42.30	37.00	18.50	3.69	3.16
1983	3.01	64.40	74.70	21.20	32.70	37.60	77.10	77.50	15.20	7.67	2.54	2.00
1984	4.47	14.10	52.40	9.69	62.50	72.80	88.10	61.40	14.40	3.98	9.50	10.90
1985	21.30	47.60	44.10	61.90	108.00	110.00	78.50	8.24	6.27	3.12	12.00	13.40

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
3.65	6.65	15.00	9.82	18.80	46.80
FIFTIETH PERCENTILE					
5.33	13.70	30.90	18.60	36.40	85.60
SEVENTY FIFTH PERCENTILE					
9.41	23.69	51.50	43.40	78.70	101.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
52.20	21.50	7.40	3.96	2.43	3.29
FIFTIETH PERCENTILE					
74.70	38.50	14.20	7.65	8.23	7.14
SEVENTY FIFTH PERCENTILE					
78.50	48.80	41.00	24.90	19.69	15.30

## 04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN

LOCATION.--Lat 41°23'08", long 84°48'06", in SW¼SW¼ sec.18, T.5 N., R.1 E., Defiance County, Ohio, Hydrologic Unit 04100003, on left bank at bridge on Ohio State Highway 249, 3.5 mi northeast of Newville, 6.5 mi northwest of Hicksville, Ohio, and at mile 42.3.

DRAINAGE AREA.--610 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1946 to September 1985. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 795.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--39 years, 529 ft<sup>3</sup>/s, 11.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,710 ft<sup>3</sup>/s Apr. 6, 1950, gage height, 17.05 ft; maximum gage height, 17.96 ft Mar. 17, 1982; minimum daily discharge, 14 ft<sup>3</sup>/s Sept. 10, 16, 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1948				8	16	13	17	9	25	24	16	21	17	25	24	11	14	12	15	12	14	10	14	8	5	9	14	7	5	1							
1949				1	29	27	13	16	31	22	17	18	11	16	15	22	12	21	22	14	9	12	5	9	8	6	2	1	2	4							
1950					1	4	1	10	41	18	14	9	11	20	22	19	11	13	12	25	12	17	12	11	9	16	15	21	9	5	4			2	1		
1951									10	4	18	15	17	16	16	31	20	23	19	23	20	21	17	11	14	13	21	14	13	4	3	2					
1952					5	24	20	27	15	10	12	8	7	12	21	18	17	16	24	21	13	16	11	11	11	15	18	8	3	3							
1953				8	19	21	17	31	32	18	24	46	13	15	7	12	10	9	20	21	17	7	8	2	2	4	1	1									
1954				20	20	10	29	45	37	17	9	15	12	17	9	11	8	8	13	13	12	8	8	9	3	10	7	9	1	3	2						
1955				3	10	9	8	6	13	16	7	16	17	17	13	41	26	28	15	17	16	16	15	13	3	10	10	6	7	7							
1956					3	10	6	14	12	30	38	28	32	11	24	13	18	10	13	14	18	17	9	7	3	4	4	7	7	5	3	3	2	1			
1957					11	28	30	38	11	21	26	12	9	15	17	27	31	18	10	10	7	6	6	9	6	4	3	10									
1958					4	12			1	23	22	15	26	20	37	36	37	23	15	20	5	13	13	10	10	5	5	11	2								
1959				11	7	3	11	18	16	11	14	23	29	24	18	16	19	14	14	12	8	11	12	11	13	11	15	12	4	4	4						
1960								15	13	10	17	18	14	10	10	15	39	26	28	28	18	21	22	6	9	15	7	12	10	3							
1961						3	21	76	26	34	19	23	21	15	18	17	9	6	10	10	11	12	5	4	4	4	10	2	3	6							
1962					3	25	23	10	18	11	15	29	39	16	23	14	27	14	12	13	15	12	10	5	10	4	2	4	4	7							
1963				16	16	12	32	56	72	30	10	13	5	11	18	14	8	8	7	3	4	2	6	4	3	2	5	5	3								
1964				11	26	33	42	37	33	31	25	17	14	11	9	5	15	10	8	6	5	6	4	7	9	2											
1965					9	18	26	29	28	9	29	19	21	5	14	20	12	11	10	5	11	6	5	15	20	13	8	9	2	5	4	2					
1966					18	6	11	28	19	18	7	10	40	30	20	17	19	19	15	14	14	11	14	9	7	5	4	3	2	2	3						
1967				1	14	19	36	19	12	8	12	6	7	13	17	18	22	14	13	13	17	18	15	12	14	10	9	7	11	1	2	2	3				
1968					10	6	1	15	6	4	12	21	23	51	39	28	18	20	22	10	13	8	18	12	8	7	3	3	6	2							
1969						18	15	36	16	15	5	6	9	25	30	38	22	19	14	17	17	10	17	8	12	5	4	2	3	2							
1970					7	11	9	20	26	53	37	24	12	24	12	16	14	16	7	8	10	13	12	20	8	6											
1971				3	6	12	8	25	25	19	14	17	24	23	27	17	22	27	12	12	10	9	8	10	8	6	4	6	3	5	3						
1972					6	35	31	25	27	22	26	23	27	15	12	10	7	24	19	13	16	2	6	13	6	1											
1973					2	18	5	3	14	5	7	12	13	9	18	24	19	34	30	25	29	27	29	15	25	2											
1974					7	18	17	33	36	20	5	10	13	16	17	23	22	15	16	7	9	15	10	8	13	12	8	11	4								
1975					6	15	10	3	10	21	27	18	16	9	15	21	33	23	29	21	20	17	15	10	7	10	8	1									
1976					2	6	14	15	5	10	33	24	28	19	26	27	26	21	10	14	14	10	12	7	4	9	8	4	4	4	6	2	2				
1977					6	11	26	55	63	38	25	19	14	8	10	3	8	6	7	3	8	14	9	9	5	9	5	4									
1978					10	8	14	26	32	36	52	29	17	15	21	12	7	4	7	10	6	8	8	8	8	6	11	9	4	2	1	2					
1979					5	41	34	29	51	25	21	16	11	16	17	13	16	12	13	7	8	6	7	10	2	3	2										
1980					6	12	16	17	9	17	18	23	23	38	35	17	27	20	11	12	12	10	14	11	9	6	3										
1981									2	11	28	48	31	32	36	18	25	14	12	7	13	14	7	17	14	14	7	6	4	3	2						
1982					7	15	18	8	14	4	2	3	29	30	28	28	32	27	29	22	7	9	14	13	9	1	2	3	1	3	3	4					
1983					8	9	28	22	12	14	15	7	10	12	27	27	34	18	14	17	14	12	13	16	28	2	2	2	2								
1984					13	9	15	26	22	25	31	25	23	22	15	11	12	8	15	17	10	7	14	11	13	13	5	2	2								
1985						3	26	33	21	16	26	28	34	28	18	23	20	10	9	10	4	6	7	10	13	8	3	3	3	1	2						

## 04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13880	100.00	12	120.0	743	8969	64.62	24	1300.0	370	1657	11.94
1	14.0	12	13880	100.00	13	150.0	653	8226	59.27	25	1600.0	325	1287	9.27
2	17.0	99	13868	99.91	14	180.0	741	7573	54.56	26	1900.0	361	962	6.93
3	21.0	160	13769	99.20	15	220.0	731	6832	49.22	27	2300.0	230	601	4.33
4	25.0	229	13609	98.05	16	270.0	784	6101	43.96	28	2800.0	171	371	2.67
5	31.0	335	13380	96.40	17	330.0	679	5317	38.31	29	3400.0	96	200	1.44
6	37.0	519	13045	93.98	18	400.0	589	4638	33.41	30	4200.0	58	104	0.75
7	46.0	622	12526	90.24	19	480.0	608	4049	29.17	31	5100.0	25	46	0.33
8	55.0	713	11904	85.76	20	590.0	504	3441	24.79	32	6200.0	9	21	0.15
9	67.0	743	11191	80.63	21	710.0	477	2937	21.16	33	7500.0	11	12	0.09
10	82.0	798	10448	75.27	22	870.0	485	2460	17.72	34	9200.0	1	1	0.01
11	100.0	681	9650	69.52	23	1100.0	318	1975	14.23					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 34.5  
 P90 = 46.5  
 P75 = 82.9  
 P70 = 98.5  
 P50 = 214.0  
 P25 = 585.0  
 P10 = 1520.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	35.00 21	37.00 21	38.00 20	39.00 19	42.00 18	68.00 26	92.00 27	94.00 19	173.00 21
1949	22.00 9	23.00 10	23.00 8	25.00 9	27.00 6	31.00 6	33.00 4	43.00 5	67.00 8
1950	34.00 19	35.00 20	38.00 21	41.00 20	56.00 23	64.00 24	68.00 20	100.00 22	127.00 18
1951	61.00 33	63.00 33	67.00 33	80.00 34	121.00 37	227.00 37	211.00 37	267.00 37	287.00 33
1952	55.00 31	55.00 31	57.00 31	59.00 31	71.00 29	92.00 30	150.00 32	236.00 35	403.00 37
1953	26.00 12	27.00 12	29.00 13	31.00 12	35.00 12	41.00 11	43.00 8	48.00 7	64.00 6
1954	18.00 3	18.00 3	19.00 3	19.00 3	20.00 1	22.00 3	26.00 3	32.00 3	54.00 4
1955	21.00 8	22.00 8	23.00 9	25.00 10	27.00 7	39.00 9	59.00 15	97.00 20	261.00 30
1956	20.00 7	20.00 6	21.00 5	23.00 5	27.00 8	50.00 15	72.00 22	82.00 17	104.00 13
1957	26.00 13	27.00 13	27.00 11	28.00 11	32.00 11	39.00 10	48.00 10	60.00 11	94.00 11
1958	31.00 16	32.00 16	34.00 16	35.00 15	38.00 16	45.00 13	52.00 12	100.00 23	184.00 24
1959	66.00 35	69.00 34	74.00 35	80.00 35	98.00 34	118.00 32	178.00 36	256.00 36	292.00 34
1960	23.00 10	23.00 9	23.00 10	24.00 6	31.00 10	50.00 16	56.00 13	76.00 15	187.00 25
1961	44.00 25	45.00 25	46.00 25	48.00 23	56.00 24	59.00 20	66.00 18	69.00 14	68.00 9
1962	58.00 32	58.00 32	61.00 32	69.00 32	82.00 32	131.00 36	163.00 33	177.00 32	180.00 22
1963	26.00 11	26.00 11	29.00 12	32.00 13	36.00 13	37.00 8	40.00 6	43.00 4	43.00 3
1964	18.00 4	18.00 4	19.00 4	20.00 4	20.00 2	21.00 1	24.00 1	27.00 2	37.00 1
1965	14.00 1	15.00 1	15.00 1	16.00 1	21.00 3	21.00 2	24.00 2	26.00 1	37.00 2
1966	29.00 14	30.00 14	32.00 14	34.00 14	37.00 14	45.00 14	59.00 14	66.00 12	110.00 14
1967	19.00 5	21.00 7	22.00 6	24.00 7	26.00 5	28.00 5	44.00 9	53.00 9	87.00 10
1968	16.00 2	17.00 2	17.00 2	18.00 2	21.00 4	27.00 4	34.00 5	48.00 8	115.00 15
1969	66.00 36	69.00 35	70.00 34	73.00 33	77.00 31	129.00 34	133.00 31	169.00 30	322.00 36
1970	46.00 28	47.00 27	47.00 26	52.00 27	56.00 25	62.00 21	74.00 23	118.00 28	151.00 20
1971	33.00 17	34.00 17	36.00 18	37.00 17	44.00 19	58.00 18	81.00 25	98.00 21	125.00 17
1972	20.00 6	20.00 5	22.00 7	24.00 8	30.00 9	36.00 7	42.00 7	46.00 6	63.00 5
1973	46.00 29	47.00 28	53.00 30	57.00 29	87.00 33	97.00 31	98.00 28	138.00 29	282.00 31
1974	45.00 26	46.00 26	47.00 27	48.00 24	55.00 22	62.00 22	67.00 19	86.00 18	184.00 23
1975	34.00 20	34.00 18	35.00 17	38.00 18	38.00 15	43.00 12	49.00 11	60.00 10	98.00 12
1976	63.00 34	71.00 36	82.00 36	88.00 36	99.00 35	129.00 35	170.00 35	176.00 31	285.00 32
1977	30.00 15	30.00 15	32.00 15	36.00 16	41.00 17	52.00 17	64.00 16	69.00 13	66.00 7
1978	33.00 18	35.00 19	37.00 19	42.00 21	60.00 26	90.00 29	114.00 30	115.00 27	134.00 19
1979	46.00 27	48.00 29	51.00 28	56.00 28	61.00 27	68.00 25	69.00 21	77.00 16	121.00 16
1980	49.00 30	49.00 30	52.00 29	58.00 30	62.00 28	72.00 27	111.00 29	201.00 33	202.00 26
1981	81.00 37	84.00 37	90.00 37	93.00 37	109.00 36	123.00 33	163.00 34	214.00 34	247.00 29
1982	112.00 38	116.00 38	128.00 38	154.00 38	253.00 38	333.00 38	348.00 38	375.00 38	419.00 38
1983	43.00 24	43.00 24	45.00 24	48.00 25	52.00 20	62.00 23	64.00 17	113.00 26	297.00 35
1984	38.00 22	39.00 22	40.00 22	44.00 22	52.00 21	59.00 19	80.00 24	101.00 24	221.00 27
1985	40.00 23	41.00 23	43.00 23	51.00 26	75.00 30	80.00 28	91.00 26	111.00 25	245.00 28

## 04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	3470.00 27	3320.00 27	2900.00 27	2470.00 21	1790.00 22	1610.00 13	1350.00 13	1090.00 18	848.00 20
1949	4950.00 11	4780.00 11	4120.00 12	2750.00 17	1770.00 24	1530.00 16	1190.00 21	1010.00 23	774.00 24
1950	9450.00 1	8310.00 2	5710.00 4	4700.00 2	3270.00 4	2720.00 1	2370.00 1	2370.00 1	1770.00 1
1951	5910.00 7	5580.00 7	4560.00 9	3320.00 7	2380.00 10	1850.00 7	1700.00 5	1440.00 7	1350.00 2
1952	4430.00 16	4400.00 16	3940.00 14	3140.00 12	2430.00 8	1720.00 10	1640.00 7	1530.00 4	1220.00 5
1953	1900.00 37	1720.00 37	1270.00 37	1080.00 37	786.00 37	636.00 37	545.00 37	450.00 37	335.00 37
1954	2960.00 30	2630.00 22	3080.00 23	2390.00 23	1910.00 19	1390.00 21	1110.00 24	885.00 29	643.00 31
1955	3250.00 28	3180.00 28	2660.00 29	2090.00 27	1400.00 32	1010.00 34	1010.00 30	899.00 27	797.00 22
1956	9190.00 2	7620.00 4	5470.00 5	3920.00 6	2850.00 5	1680.00 11	1790.00 3	1480.00 5	1020.00 15
1957	2700.00 32	2660.00 32	2570.00 31	2220.00 25	1770.00 25	1090.00 32	931.00 32	790.00 33	610.00 34
1958	2960.00 30	2870.00 30	2600.00 30	1990.00 32	1260.00 35	895.00 35	802.00 35	743.00 35	637.00 32
1959	4810.00 13	4740.00 12	4300.00 10	3260.00 10	2730.00 7	2180.00 5	1760.00 4	1480.00 6	1110.00 7
1960	3640.00 23	3580.00 23	3070.00 24	1980.00 33	1580.00 27	1310.00 27	1100.00 25	1110.00 16	980.00 17
1961	3700.00 22	3670.00 20	3560.00 17	2920.00 14	2120.00 14	1450.00 19	1230.00 19	975.00 25	896.00 27
1962	4190.00 18	4070.00 17	3520.00 18	3300.00 9	2310.00 11	1520.00 17	1230.00 20	1030.00 21	777.00 23
1963	2370.00 33	2350.00 33	2280.00 33	2000.00 30	1450.00 31	864.00 36	623.00 36	507.00 36	362.00 36
1964	1170.00 38	1110.00 38	988.00 38	821.00 38	628.00 38	515.00 38	390.00 38	322.00 38	233.00 38
1965	3570.00 25	3410.00 25	2990.00 25	1990.00 31	1570.00 28	1330.00 26	1240.00 17	1050.00 20	744.00 25
1966	4790.00 14	4620.00 13	3960.00 13	2850.00 15	1870.00 20	1070.00 33	856.00 34	812.00 32	741.00 26
1967	4750.00 15	4580.00 14	3910.00 15	2600.00 19	1610.00 26	1190.00 29	983.00 31	992.00 24	836.00 21
1968	5210.00 10	4960.00 10	4190.00 11	3000.00 13	2190.00 12	1750.00 9	1370.00 12	1240.00 12	1050.00 12
1969	5740.00 8	5370.00 8	4640.00 7	3240.00 11	2190.00 13	1610.00 14	1300.00 15	1240.00 13	1060.00 11
1970	2090.00 36	2070.00 36	1920.00 36	1540.00 36	1370.00 33	1200.00 28	1040.00 29	886.00 28	655.00 30
1971	4130.00 19	3880.00 19	3390.00 20	2590.00 20	1980.00 15	1460.00 18	1060.00 26	879.00 30	678.00 28
1972	2330.00 34	2270.00 35	2080.00 35	1740.00 34	1170.00 36	1140.00 30	920.00 33	750.00 34	605.00 35
1973	2320.00 35	2300.00 34	2150.00 34	2030.00 29	1780.00 23	1350.00 25	1130.00 23	1090.00 17	1070.00 10
1974	3610.00 24	3570.00 24	3390.00 21	2760.00 16	1980.00 16	1810.00 8	1530.00 10	1360.00 9	1080.00 9
1975	2890.00 31	2800.00 31	2530.00 32	1710.00 35	1370.00 34	1090.00 31	1060.00 27	1010.00 22	896.00 19
1976	6480.00 6	6040.00 6	5220.00 6	3960.00 5	3480.00 3	2110.00 6	1560.00 9	1350.00 10	1030.00 14
1977	3220.00 29	3160.00 29	2820.00 28	2040.00 28	1820.00 21	1440.00 20	1170.00 22	901.00 26	637.00 33
1978	8040.00 5	7430.00 5	6030.00 3	4700.00 3	3730.00 2	2260.00 4	1640.00 8	1430.00 8	1140.00 6
1979	3490.00 26	3380.00 26	2970.00 26	2180.00 26	1570.00 29	1370.00 24	1060.00 28	834.00 31	671.00 29
1980	3800.00 21	3660.00 21	3310.00 22	2700.00 18	2390.00 9	1580.00 15	1380.00 11	1170.00 15	960.00 18
1981	5500.00 9	5260.00 9	4590.00 8	3310.00 8	1950.00 17	1380.00 22	1260.00 16	1240.00 11	1100.00 8
1982	8990.00 4	8700.00 1	7790.00 1	6030.00 1	3980.00 1	2560.00 2	1890.00 2	1600.00 2	1250.00 3
1983	4890.00 12	4580.00 15	3730.00 16	2440.00 22	1940.00 18	1630.00 12	1230.00 18	1070.00 19	1040.00 13
1984	4330.00 17	4050.00 18	3420.00 19	2260.00 24	1530.00 30	1380.00 23	1310.00 14	1220.00 14	987.00 16
1985	9110.00 3	8230.00 3	6130.00 2	4270.00 4	2790.00 6	2360.00 3	1670.00 6	1560.00 3	1220.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	701.00 32
1949	483.00 15
1950	709.00 33
1951	930.00 38
1952	858.00 36
1953	304.00 5
1954	244.00 3
1955	582.00 22
1956	373.00 8
1957	432.00 11
1958	514.00 18
1959	605.00 27
1960	591.00 25
1961	410.00 9
1962	602.00 26
1963	230.00 2
1964	113.00 1
1965	322.00 7
1966	455.00 12
1967	467.00 14
1968	568.00 21
1969	627.00 28
1970	419.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	472.00 21
1949	436.00 24
1950	1010.00 1
1951	864.00 2
1952	711.00 5
1953	201.00 37
1954	342.00 34
1955	482.00 20
1956	601.00 15
1957	337.00 35
1958	465.00 22
1959	627.00 13
1960	667.00 10
1961	399.00 28
1962	436.00 25
1963	201.00 36
1964	132.00 38
1965	399.00 29
1966	427.00 26
1967	456.00 23
1968	680.00 9
1969	632.00 12
1970	391.00 30



04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	532.00	19
1972	248.00	4
1973	681.00	31
1974	656.00	29
1975	460.00	13
1976	748.00	35
1977	307.00	6
1978	567.00	20
1979	487.00	16
1980	513.00	17
1981	584.00	23
1982	929.00	37
1983	588.00	24
1984	678.00	30
1985	747.00	34

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	389.00	31
1972	374.00	32
1973	752.00	4
1974	590.00	18
1975	535.00	19
1976	595.00	16
1977	364.00	33
1978	692.00	7
1979	404.00	27
1980	623.00	14
1981	680.00	8
1982	753.00	3
1983	663.00	11
1984	590.00	17
1985	699.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	*	*	172.00	476.00	543.00	924.00	2464.0	1156.0	784.00	99.80	42.60	164.00
1948	75.30	204.00	453.00	386.00	841.00	1778.0	805.00	824.00	152.00	83.90	37.50	30.40
1949	34.50	104.00	227.00	1372.0	1709.0	505.00	470.00	337.00	305.00	125.00	64.90	74.80
1950	191.00	69.90	671.00	2545.0	1493.0	2178.0	3102.0	597.00	329.00	457.00	124.00	377.00
1951	147.00	525.00	1283.0	1072.0	1976.0	1288.0	1285.0	1158.0	365.00	1045.0	209.00	79.80
1952	185.00	616.00	492.00	2399.0	991.00	1451.0	1181.0	787.00	231.00	95.10	54.50	41.20
1953	41.00	63.20	91.90	148.00	179.00	739.00	501.00	345.00	66.10	41.10	167.00	22.40
1954	23.00	39.00	50.70	114.00	345.00	1213.0	1571.0	294.00	251.00	144.00	50.90	27.10
1955	877.00	405.00	472.00	1082.0	670.00	1148.0	571.00	182.00	133.00	108.00	96.70	26.70
1956	106.00	468.00	215.00	86.20	744.00	1757.0	759.00	2499.0	178.00	103.00	223.00	49.50
1957	36.20	61.20	106.00	195.00	506.00	457.00	1679.0	496.00	248.00	199.00	39.80	58.70
1958	228.00	492.00	1139.0	351.00	388.00	853.00	473.00	149.00	134.00	387.00	394.00	582.00
1959	147.00	484.00	241.00	536.00	2226.0	1636.0	1265.0	802.00	147.00	72.40	66.80	38.60
1960	300.00	756.00	709.00	1281.0	1198.0	493.00	1366.0	467.00	1008.0	323.00	85.40	64.20
1961	58.30	88.70	69.70	60.60	265.00	1081.0	1546.0	886.00	171.00	98.80	250.00	211.00
1962	160.00	332.00	198.00	490.00	608.00	2269.0	590.00	303.00	103.00	101.00	38.50	37.40
1963	46.00	51.00	49.20	38.30	41.40	1334.0	336.00	149.00	160.00	94.30	73.30	20.30
1964	21.00	36.20	31.10	70.40	45.90	312.00	601.00	241.00	120.00	50.10	33.50	20.90
1965	21.90	30.50	64.50	422.00	942.00	1360.0	1260.0	421.00	111.00	47.90	57.20	100.00
1966	191.00	159.00	1322.0	739.00	355.00	683.00	512.00	803.00	129.00	90.40	72.70	33.90
1967	26.30	181.00	1467.0	303.00	583.00	1378.0	881.00	395.00	140.00	61.90	29.10	25.60
1968	110.00	394.00	2085.0	543.00	1429.0	751.00	694.00	638.00	693.00	416.00	248.00	177.00
1969	80.50	381.00	861.00	1536.0	1351.0	498.00	1347.0	763.00	281.00	369.00	110.00	56.30
1970	81.90	393.00	159.00	125.00	409.00	950.00	1343.0	793.00	164.00	122.00	103.00	62.40
1971	107.00	243.00	484.00	137.00	1802.0	1135.0	321.00	220.00	183.00	70.10	32.40	40.90
1972	61.80	53.10	288.00	432.00	156.00	1103.0	1031.0	580.00	125.00	114.00	93.20	441.00
1973	361.00	1311.0	817.00	1006.0	590.00	1705.0	951.00	621.00	968.00	484.00	146.00	55.50
1974	68.60	100.00	425.00	1351.0	1141.0	1589.0	879.00	1006.0	317.00	107.00	70.50	45.60
1975	41.80	111.00	223.00	983.00	972.00	798.00	985.00	914.00	745.00	231.00	227.00	234.00
1976	99.10	208.00	1034.0	239.00	2302.0	1834.0	470.00	338.00	225.00	333.00	80.50	46.30
1977	76.80	85.60	76.60	54.90	216.00	1661.0	1201.0	451.00	99.60	139.00	123.00	179.00
1978	139.00	153.00	1552.0	264.00	151.00	2290.0	2053.0	474.00	284.00	719.00	90.40	75.30
1979	62.30	80.90	180.00	238.00	115.00	1456.0	1248.0	437.00	124.00	185.00	563.00	129.00
1980	64.10	264.00	835.00	424.00	333.00	1530.0	1516.0	609.00	808.00	429.00	389.00	265.00
1981	118.00	130.00	455.00	149.00	1714.0	553.00	1012.0	909.00	1783.0	568.00	392.00	499.00
1982	425.00	376.00	303.00	597.00	750.00	3512.0	1323.0	622.00	588.00	388.00	69.80	57.80
1983	66.60	921.00	1417.0	415.00	581.00	621.00	1552.0	1475.0	290.00	439.00	116.00	54.70
1984	95.90	449.00	1071.0	178.00	1291.0	1151.0	1398.0	855.00	332.00	78.70	88.90	132.00
1985	257.00	706.00	695.00	990.00	1546.0	1952.0	1526.0	215.00	144.00	171.00	128.00	126.00

STREAMS TRIBUTARY TO LAKE ERIE  
04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
55.20	84.40	172.00	149.00	345.00	751.00
FIFTIETH PERCENTILE					
88.90	206.00	453.00	422.00	670.00	1213.00
SEVENTY FIFTH PERCENTILE					
166.00	454.00	861.00	990.00	1351.00	1661.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
601.00	338.00	134.00	94.30	57.20	38.60
FIFTIETH PERCENTILE					
1181.00	597.00	225.00	125.00	90.40	58.70
SEVENTY FIFTH PERCENTILE					
1398.00	824.00	332.00	387.00	167.00	164.00

## 04178500 ST. JOSEPH RIVER AT HURSH, IN

LOCATION.--Lat 41°15', long 84°57', in sec.12, T.32 N., R.13 E., Allen County, Ohio, Hydrologic Unit 04100003, near center of span on downstream side of Hursttown bridge at Hursh, 0.8 mi upstream from small tributary, 5.5 mi upstream from Cedar Creek and 14 mi northeast of Fort Wayne.

DRAINAGE AREA.--737 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1950 to September 1954 (discontinued).

GAGE.--Wire-weight gage. Datum of gage is 769.68 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,120 ft<sup>3</sup>/s Feb. 23, 1951, gage height, 13.16 ft; minimum, 20 ft<sup>3</sup>/s Oct. 26, 1953; minimum gage height, 3.38 ft Aug. 31, Sept. 1-3, 1953.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1951									8	4	11	20	13	14	13	32	20	21	21	14	24	15	16	12	8	17	9	18	20	19	8	3	2	2	1
1952						6	16	30	23	21	10	14	4	11	19	20	16	11	24	14	13	15	11	5	15	8	14	15	19	6	3	3			
1953		1	3	9	35	33	36	36	16	36	22	14	2	9	12	13	19	14	18	9	8	9	2	1	3	2	1	2							
1954	11	12	5	26	18	60	22	11	5	17	15	12	15	14	7	8	17	10	12	5	9	10	4	5	4	9	11	4	1	4	2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1461	100.00	12	150.0	53	883	60.44	24	1200.0	19	244	16.70
1	22.0	11	1461	100.00	13	180.0	35	830	56.81	25	1400.0	39	225	15.40
2	26.0	13	1450	99.25	14	210.0	47	795	54.41	26	1700.0	28	186	12.73
3	31.0	8	1437	98.36	15	250.0	70	748	51.20	27	2000.0	44	158	10.81
4	37.0	35	1429	97.81	16	300.0	61	678	46.41	28	2400.0	41	114	7.80
5	44.0	53	1394	95.41	17	350.0	73	617	42.23	29	2800.0	39	73	5.00
6	52.0	99	1341	91.79	18	420.0	56	544	37.23	30	3400.0	18	34	2.33
7	62.0	74	1242	85.01	19	500.0	68	488	33.40	31	4000.0	8	16	1.10
8	74.0	85	1168	79.95	20	600.0	52	420	28.75	32	4800.0	5	8	0.55
9	88.0	48	1083	74.13	21	710.0	45	368	25.19	33	5700.0	2	3	0.21
10	100.0	85	1035	70.84	22	840.0	50	323	22.11	34	6800.0	1	1	0.07
11	120.0	67	950	65.02	23	1000.0	29	273	18.69					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	44.9
P90 =	54.6
P75 =	85.9
P70 =	103.0
P50 =	263.0
P25 =	719.0
P10 =	2110.0

LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1		3		7		14		30		60		90		120		183	
1952	76.00	3	76.00	3	78.00	3	81.00	3	94.00	3	117.00	3	193.00	3	290.00	3	485.00	3
1953	47.00	2	48.00	2	50.00	2	52.00	2	58.00	2	66.00	2	69.00	2	76.00	2	94.00	2
1954	22.00	1	22.00	1	23.00	1	25.00	1	27.00	1	35.00	1	40.00	1	44.00	1	69.00	1

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1		3		7		15		30		60		90		120		183	
1951	7030.00	1	6610.00	1	5580.00	1	4060.00	1	2860.00	2	2220.00	1	2050.00	1	1740.00	2	1630.00	1
1952	5360.00	2	5070.00	2	4430.00	2	3700.00	2	2930.00	1	2080.00	2	1970.00	2	1830.00	1	1480.00	2
1953	2510.00	4	2430.00	4	1710.00	4	1400.00	4	993.00	4	772.00	4	661.00	4	554.00	4	419.00	4
1954	4080.00	3	3950.00	3	3660.00	3	2930.00	3	2340.00	3	1700.00	3	1350.00	3	1090.00	3	793.00	3

STREAMS TRIBUTARY TO LAKE ERIE  
04178500 ST. JOSEPH RIVER AT HURSH, IN--Continued

ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	1040.00	3
1953	388.00	2
1954	297.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1951	1040.00	1
1952	865.00	2
1953	255.00	4
1954	429.00	3

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	186.00	616.00	1494.0	1297.0	2415.0	1521.0	1575.0	1386.0	467.00	1212.0	283.00	108.00
1952	207.00	722.00	601.00	2892.0	1207.0	1730.0	1401.0	1007.0	297.00	153.00	89.90	68.90
1953	63.40	83.00	116.00	211.00	230.00	935.00	574.00	437.00	90.60	60.60	200.00	46.20
1954	29.10	48.30	58.30	136.00	411.00	1473.0	1937.0	374.00	310.00	218.00	122.00	51.40

LOCATION.--Lat 41°11'46", long 85°01'27", in J. Hackley Reserve, T.32 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank 700 ft upstream from highway bridge, 0.4 mi south of Cedarville, 0.5 mi upstream from Cedar Creek, 0.6 mi downstream from Cedarville Dam, and at mile 13.9.

**PERIOD OF RECORD.--**January 1931 to May 1932, October 1955 to September 1981.

GAGE.--Water-stage recorder. Datum of gage is 757.94 ft above National Geodetic Vertical Datum of 1929. Jan. 1, 1931, to May 31, 1932, nonrecording gage on downstream side of highway bridge 700 ft downstream from present site at datum approximately 20 ft lower.

REMARKS.--Flow regulated by Cedarville Reservoir and some flow diverted into storage of Murshtown Reservoir. Stage-discharge relation affected at times by backwater from Cedar Creek.

**AVERAGE DISCHARGE.**--26 years (1955 to 1981), 620 ft<sup>3</sup>/s, 11.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft<sup>3</sup>/s May 1, 1956, gage height, 18.07 ft, from floodmarks; maximum gage height, 18.62 ft Mar. 24, 1978; minimum daily discharge, 1.6 ft<sup>3</sup>/s May 22, 27, 1958.

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	9497	100.00	12	29.0	147	9414	99.13	24	690.0	473	2393	25.20
1	1.6	4	9497	100.00	13	38.0	309	9267	97.58	25	890.0	450	1920	20.22
2	2.1	1	9493	99.96	14	49.0	576	8958	94.32	26	1200.0	357	1470	15.48
3	2.7	2	9492	99.95	15	64.0	720	8382	88.26	27	1500.0	341	1113	11.72
4	3.5	3	9490	99.93	16	83.0	634	7662	80.68	28	2000.0	320	772	8.13
5	4.6	0	9487	99.89	17	110.0	708	7028	74.00	29	2600.0	205	452	4.76
6	6.0	0	9487	99.89	18	140.0	680	6320	66.55	30	3300.0	136	247	2.60
7	7.8	2	9487	99.89	19	180.0	684	5640	59.39	31	4300.0	74	111	1.17
8	10.0	0	9485	99.87	20	240.0	676	4956	52.18	32	5600.0	30	37	0.39
9	13.0	15	9485	99.87	21	310.0	637	4260	45.07	33	7300.0	6	7	0.07
10	17.0	13	9470	99.72	22	400.0	701	3643	38.36	34	9600.0	1	1	0.01
11	22.0	43	9457	99.58	23	530.0	549	2942	30.98					

P95 =	46.7
P90 =	59.7
P75 =	106.0
P70 =	126.0
P50 =	262.0
P25 =	698.0
P10 =	1740.0

## 04179000 ST. JOSEPH RIVER AT CEDARVILLE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1932	30.00 12	35.00 10	40.00 12	43.00 8	45.00 7	54.00 8	58.00 6	73.00 6	119.00 7
1957	9.20 2	15.00 3	33.00 6	39.00 6	44.00 6	53.00 7	66.00 8	80.00 8	120.00 8
1958	29.00 10	29.00 8	34.00 9	45.00 10	57.00 12	65.00 10	75.00 11	136.00 17	237.00 21
1959	1.60 1	1.80 1	5.60 1	67.00 17	106.00 22	177.00 24	267.00 26	318.00 26	402.00 24
1960	43.00 18	43.00 15	44.00 14	44.00 9	52.00 9	71.00 15	77.00 14	97.00 12	222.00 18
1961	40.00 16	46.00 16	51.00 16	55.00 15	65.00 16	68.00 13	75.00 12	80.00 9	79.00 5
1962	60.00 22	67.00 22	75.00 23	83.00 23	102.00 20	158.00 22	189.00 20	206.00 20	212.00 16
1963	24.00 7	26.00 7	33.00 7	40.00 7	47.00 8	49.00 6	52.00 4	55.00 3	55.00 1
1964	21.00 6	25.00 6	28.00 4	29.00 2	29.00 1	32.00 1	37.00 1	42.00 1	55.00 2
1965	14.00 4	15.00 4	21.00 2	26.00 1	29.00 2	33.00 2	38.00 2	42.00 2	55.00 3
1966	38.00 15	38.00 11	40.00 10	49.00 12	56.00 11	69.00 14	90.00 15	112.00 15	169.00 14
1967	30.00 11	31.00 9	33.00 8	35.00 4	36.00 3	40.00 3	59.00 7	77.00 7	148.00 10
1968	15.00 5	23.00 5	28.00 5	34.00 3	36.00 4	42.00 4	51.00 3	68.00 5	154.00 11
1969	63.00 24	94.00 25	95.00 24	97.00 24	104.00 21	179.00 25	190.00 21	247.00 25	443.00 25
1970	60.00 23	67.00 23	70.00 21	76.00 20	84.00 18	92.00 18	106.00 18	152.00 18	207.00 15
1971	35.00 13	38.00 12	40.00 11	46.00 11	53.00 10	73.00 16	101.00 17	112.00 16	155.00 12
1972	13.00 3	14.00 2	23.00 3	36.00 5	44.00 5	49.00 5	54.00 5	57.00 4	77.00 4
1973	29.00 8	61.00 20	74.00 22	82.00 22	132.00 25	212.00 26	199.00 22	240.00 24	480.00 26
1974	35.00 14	41.00 14	48.00 15	50.00 13	60.00 13	63.00 9	68.00 9	110.00 14	222.00 19
1975	42.00 17	52.00 17	56.00 17	59.00 16	60.00 14	66.00 11	73.00 10	85.00 10	124.00 9
1976	65.00 25	80.00 24	97.00 25	104.00 25	121.00 24	158.00 23	208.00 24	208.00 21	360.00 23
1977	29.00 9	40.00 13	42.00 13	53.00 14	64.00 15	68.00 12	76.00 13	87.00 11	89.00 6
1978	49.00 19	53.00 18	61.00 18	68.00 18	107.00 23	137.00 20	204.00 23	193.00 19	216.00 17
1979	59.00 21	63.00 21	69.00 19	73.00 19	74.00 17	86.00 17	91.00 16	101.00 13	166.00 13
1980	53.00 20	57.00 19	70.00 20	78.00 21	85.00 19	96.00 19	143.00 19	237.00 23	236.00 20
1981	93.00 26	100.00 26	112.00 26	118.00 26	136.00 26	153.00 21	209.00 25	225.00 22	287.00 22

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	9780.00 1	9120.00 1	7260.00 1	5360.00 2	3950.00 3	2310.00 5	2330.00 1	1930.00 1	1320.00 5
1957	3660.00 19	3420.00 20	3320.00 18	2910.00 14	2210.00 14	1350.00 22	1110.00 23	940.00 22	728.00 24
1958	3220.00 22	3080.00 22	3040.00 20	2440.00 20	1550.00 22	1090.00 24	930.00 24	873.00 24	762.00 21
1959	4950.00 11	4750.00 10	4140.00 10	3270.00 12	2880.00 6	2410.00 4	1980.00 3	1660.00 6	1230.00 9
1960	4760.00 12	4590.00 11	4060.00 12	2690.00 17	1990.00 19	1680.00 13	1350.00 13	1360.00 10	1190.00 10
1961	5400.00 10	5170.00 9	4630.00 9	3620.00 9	2640.00 9	1780.00 11	1480.00 11	1170.00 15	834.00 17
1962	4200.00 16	4030.00 16	3660.00 15	3310.00 11	2420.00 12	1650.00 14	1350.00 14	1130.00 16	881.00 16
1963	2660.00 24	2660.00 24	2490.00 24	2010.00 25	1550.00 23	969.00 25	701.00 25	578.00 25	427.00 25
1964	1880.00 26	1500.00 26	1330.00 26	1200.00 26	920.00 26	766.00 26	589.00 26	491.00 26	353.00 26
1965	4210.00 15	4110.00 15	3870.00 13	2720.00 16	2110.00 18	1820.00 10	1720.00 7	1440.00 9	1020.00 14
1966	5410.00 9	5250.00 8	4760.00 8	3640.00 8	2430.00 11	1390.00 21	1120.00 22	1060.00 19	977.00 15
1967	6000.00 6	5850.00 6	5460.00 6	3810.00 6	2220.00 13	1600.00 16	1340.00 16	1350.00 11	1170.00 11
1968	6880.00 4	6600.00 4	5700.00 5	4140.00 5	2990.00 5	2430.00 3	1940.00 5	1750.00 2	1490.00 1
1969	6620.00 5	6330.00 5	5780.00 4	4400.00 4	3010.00 4	2170.00 7	1720.00 8	1670.00 5	1400.00 2
1970	2630.00 25	2530.00 25	2470.00 25	2040.00 24	1700.00 21	1490.00 19	1300.00 17	1100.00 17	823.00 18
1971	4010.00 18	3800.00 18	3640.00 16	2910.00 15	2170.00 15	1650.00 15	1220.00 19	1010.00 20	805.00 20
1972	5510.00 7	4470.00 13	2840.00 22	2130.00 22	1480.00 25	1440.00 20	1150.00 21	928.00 23	760.00 22
1973	2760.00 23	2740.00 23	2620.00 23	2450.00 19	2120.00 17	1570.00 17	1350.00 15	1310.00 13	1290.00 7
1974	4610.00 13	4480.00 12	4130.00 11	3430.00 10	2510.00 10	2300.00 6	1930.00 6	1690.00 4	1320.00 6
1975	3270.00 21	3190.00 21	2950.00 21	2070.00 23	1540.00 24	1270.00 23	1290.00 18	1220.00 14	1100.00 12
1976	6900.00 3	6750.00 3	6190.00 3	4850.00 3	4240.00 2	2640.00 2	1960.00 4	1620.00 7	1260.00 8
1977	3600.00 20	3540.00 19	3370.00 17	2520.00 18	2170.00 16	1770.00 12	1420.00 12	1100.00 18	810.00 19
1978	8780.00 2	8220.00 2	7210.00 2	5830.00 1	4710.00 1	2830.00 1	2050.00 2	1750.00 3	1400.00 3
1979	4160.00 17	3840.00 17	3200.00 19	2320.00 21	1760.00 20	1560.00 18	1210.00 20	957.00 21	760.00 23
1980	4480.00 14	4260.00 14	3860.00 14	3210.00 13	2790.00 7	1850.00 9	1560.00 10	1340.00 12	1100.00 13
1981	5490.00 8	5370.00 7	4870.00 7	3720.00 7	2680.00 8	1900.00 8	1670.00 9	1520.00 8	1360.00 4

04179000 ST. JOSEPH RIVER AT CEDARVILLE, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	402.00	5
1957	564.00	10
1958	626.00	13
1959	697.00	18
1960	718.00	21
1961	479.00	7
1962	704.00	19
1963	265.00	2
1964	164.00	1
1965	438.00	6
1966	630.00	14
1967	654.00	16
1968	794.00	22
1969	861.00	24
1970	547.00	8
1971	632.00	15
1972	311.00	3
1973	916.00	26
1974	806.00	23
1975	556.00	9
1976	913.00	25
1977	383.00	4
1978	712.00	20
1979	592.00	11
1980	599.00	12
1981	661.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	786.00	7
1957	408.00	24
1958	585.00	14
1959	701.00	11
1960	798.00	6
1961	476.00	20
1962	501.00	18
1963	240.00	25
1964	201.00	26
1965	553.00	16
1966	569.00	15
1967	654.00	13
1968	957.00	1
1969	833.00	4
1970	492.00	19
1971	468.00	22
1972	524.00	17
1973	928.00	2
1974	723.00	10
1975	659.00	12
1976	724.00	8
1977	468.00	23
1978	847.00	3
1979	473.00	21
1980	723.00	9
1981	830.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1901	*	*	*	*	*	*	*	*	*	*	*	*
1931	*	*	*	130.00	158.00	433.00	287.00	121.00	302.00	139.00	61.70	53.30
1932	69.30	217.00	325.00	1931.0	704.00	613.00	494.00	183.00	*	*	*	*
1956	148.00	667.00	253.00	112.00	873.00	2134.0	1021.0	3470.0	262.00	141.00	256.00	65.10
1957	51.10	87.10	134.00	224.00	502.00	523.00	2095.0	589.00	335.00	248.00	60.40	85.00
1958	298.00	594.00	1411.0	431.00	401.00	967.00	605.00	165.00	244.00	627.00	585.00	669.00
1959	171.00	506.00	222.00	575.00	2287.0	1842.0	1585.0	940.00	188.00	95.20	90.10	52.40
1960	331.00	776.00	894.00	1701.0	1433.0	571.00	1573.0	453.00	1274.0	440.00	109.00	78.70
1961	67.90	105.00	79.00	72.90	263.00	1242.0	1870.0	1157.0	203.00	119.00	287.00	239.00
1962	207.00	421.00	244.00	652.00	664.00	2381.0	710.00	363.00	130.00	125.00	50.20	55.70
1963	52.20	63.80	64.10	49.30	61.70	1435.0	447.00	170.00	212.00	145.00	125.00	35.50
1964	30.00	51.60	49.30	97.70	71.70	536.00	868.00	338.00	200.00	76.10	51.80	41.60
1965	31.40	44.00	85.40	500.00	1271.0	1809.0	1766.0	675.00	150.00	77.10	104.00	189.00
1966	272.00	246.00	1645.0	1032.0	518.00	870.00	627.00	1114.0	168.00	150.00	91.00	47.50
1967	37.50	418.00	2141.0	410.00	799.00	1817.0	1242.0	623.00	183.00	86.20	46.50	37.00
1968	134.00	463.00	2854.0	768.00	2124.0	1017.0	989.00	944.00	1009.0	590.00	389.00	246.00
1969	114.00	498.00	1093.0	2124.0	1768.0	632.00	1776.0	956.00	406.00	471.00	143.00	86.60
1970	117.00	530.00	217.00	196.00	490.00	1185.0	1696.0	963.00	198.00	125.00	126.00	81.90
1971	131.00	334.00	595.00	161.00	1928.0	1367.0	444.00	323.00	258.00	86.90	49.10	49.70
1972	67.30	62.90	429.00	486.00	186.00	1265.0	1450.0	697.00	190.00	289.00	168.00	992.00
1973	567.00	1590.0	1072.0	1208.0	761.00	2014.0	1075.0	704.00	1193.0	626.00	250.00	62.90
1974	66.30	125.00	448.00	1633.0	1521.0	2013.0	1066.0	1169.0	374.00	140.00	93.20	68.40
1975	67.00	127.00	300.00	1112.0	1100.0	1092.0	1174.0	1154.0	997.00	290.00	245.00	286.00
1976	121.00	245.00	1123.0	282.00	2841.0	2296.0	651.00	417.00	251.00	357.00	122.00	68.40
1977	132.00	109.00	77.70	66.80	282.00	2044.0	1453.0	513.00	177.00	301.00	180.00	269.00
1978	203.00	208.00	1896.0	293.00	176.00	2795.0	2668.0	558.00	292.00	787.00	123.00	100.00
1979	75.50	114.00	288.00	294.00	163.00	1627.0	1452.0	494.00	158.00	206.00	610.00	167.00
1980	89.10	292.00	983.00	467.00	374.00	1865.0	1702.0	664.00	892.00	499.00	490.00	350.00
1981	143.00	164.00	421.00	174.00	1915.0	651.00	1147.0	1104.0	2637.0	637.00	452.00	663.00
1982	599.00	502.00	368.00	2019.0	2151.0	*	*	*	*	*	*	*

STREAMS TRIBUTARY TO LAKE ERIE  
04179000 ST. JOSEPH RIVER AT CEDARVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
67.10	110.00	218.00	168.00	273.00	706.00
FIFTIETH PERCENTILE					
119.00	246.00	395.00	431.00	704.00	1316.00
SEVENTY FIFTH PERCENTILE					
195.00	501.00	1088.00	1072.00	1645.00	1976.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
666.00	377.00	188.00	125.00	90.10	53.30
FIFTIETH PERCENTILE					
1161.00	644.00	251.00	206.00	125.00	81.90
SEVENTY FIFTH PERCENTILE					
1668.00	961.00	406.00	471.00	256.00	246.00



LOCATION.--Lat 41°21'57", long 85°03'08", in NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.32, T.34 N., R.13 E., Dekalb County, Hydrologic Unit 04100003, on right bank 15 ft downstream from Ninth Street bridge in Auburn, and 2 mi upstream from John Diehl ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,520 ft<sup>3</sup>/s Apr. 5, 1950, gage height, 9.90 ft; minimum daily discharge, 0.7 ft<sup>3</sup>/s Nov. 8, 1953.

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	10958	100.00	12	8.4	426	8442	77.04	24	120.0	485	1730	15.79
1	0.70	18	10958	100.00	13	10.0	665	8016	73.15	25	160.0	293	1245	11.36
2	0.88	13	10940	99.84	14	13.0	544	7351	67.08	26	200.0	248	952	8.69
3	1.1	15	10927	99.72	15	16.0	756	6807	62.12	27	250.0	200	704	6.42
4	1.4	14	10912	99.58	16	21.0	512	6051	55.22	28	310.0	179	504	4.60
5	1.7	41	10898	99.45	17	26.0	561	5539	50.55	29	390.0	119	325	2.97
6	2.2	94	10857	99.08	18	32.0	666	4978	45.43	30	480.0	106	206	1.88
7	2.7	229	10763	98.22	19	40.0	727	4312	39.35	31	610.0	53	100	0.91
8	3.4	432	10534	96.13	20	51.0	582	3585	32.72	32	760.0	35	47	0.43
9	4.3	490	10102	92.19	21	64.0	491	3003	27.40	33	950.0	11	12	0.11
10	5.3	554	9612	87.72	22	80.0	449	2512	22.92	34	1200.0	1	1	0.01
11	6.7	616	9058	82.66	23	100.0	333	2063	18.83					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.7  
 P90 = 4.8  
 P75 = 9.2  
 P70 = 11.6  
 P50 = 26.6  
 P25 = 72.6  
 P10 = 180.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
	8	7	7	4	5	5	6	6	7
1945	2.40	2.40	2.60	2.60	3.10	3.80	4.60	5.70	6.50
1946	6.40	6.40	6.90	7.30	8.00	13.00	14.00	21.00	22.00
1947	2.80	2.80	2.90	3.60	5.10	6.40	7.60	10.00	17.00
1948	4.80	4.80	5.00	5.50	5.80	7.60	8.40	11.00	21.00
1949	3.20	3.40	3.50	3.70	3.80	4.40	5.00	6.40	10.00
1950	2.00	2.20	2.40	3.10	5.10	6.50	9.20	13.00	15.00
1951	7.60	7.90	9.40	13.00	21.00	39.00	48.00	51.00	53.00
1952	4.00	4.40	5.10	5.30	6.80	11.00	20.00	29.00	50.00
1953	3.40	3.50	3.50	3.70	5.00	5.80	6.30	7.00	9.80
1954	0.70	0.77	0.79	0.80	0.99	1.50	1.90	2.60	5.20
1955	2.60	3.00	3.50	4.10	7.70	16.00	27.00	32.00	55.00
1956	1.19	2.00	2.20	2.60	2.80	7.00	10.00	12.00	16.00
1957	2.60	3.00	3.20	3.40	3.80	4.40	5.40	7.10	15.00
1958	3.40	3.60	3.80	4.10	4.80	5.50	6.10	10.00	24.00
1959	7.80	8.30	9.10	9.90	12.00	21.00	25.00	28.00	41.00
1960	2.20	2.70	3.20	3.40	5.50	11.00	11.00	13.00	27.00
1961	3.90	4.00	4.30	4.50	5.00	5.30	5.90	6.00	6.10
1962	3.50	3.90	5.20	5.70	8.80	13.00	13.00	16.00	19.00
1963	0.80	1.60	2.00	2.50	3.40	3.70	4.70	5.00	5.10
1964	2.60	2.90	3.30	3.50	3.70	4.00	4.30	4.50	5.40
1965	1.50	1.90	2.50	2.70	2.80	3.10	3.20	3.40	4.60
1966	4.50	5.40	6.20	7.30	8.00	8.80	9.60	15.00	26.00
1967	4.90	5.00	5.10	5.30	5.90	6.60	7.70	12.00	19.00
1968	2.70	2.90	3.20	3.30	3.60	3.90	4.60	6.10	10.00
1969	5.80	5.80	6.00	6.30	6.90	9.40	15.00	26.00	48.00
1970	3.50	3.90	4.20	4.80	6.30	6.80	7.80	9.90	19.00
1971	2.60	3.00	3.40	3.60	4.70	6.20	8.50	9.80	18.00
1972	0.96	1.19	1.40	1.50	1.70	2.50	2.80	3.30	5.40
1973	2.50	3.20	3.50	3.80	6.20	21.00	20.00	22.00	65.00

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
	6	4	3	2	2	2	2	3	11
1944	996.00	903.00	697.00	531.00	356.00	295.00	233.00	188.00	130.00
1945	968.00	875.00	681.00	395.00	231.00	205.00	187.00	161.00	113.00
1946	778.00	581.00	365.00	228.00	133.00	98.00	97.00	79.00	76.00
1947	945.00	764.00	500.00	387.00	354.00	257.00	217.00	180.00	147.00
1948	835.00	604.00	400.00	369.00	234.00	223.00	192.00	157.00	127.00
1949	875.00	753.00	512.00	357.00	240.00	222.00	172.00	143.00	114.00
1950	1280.00	1060.00	729.00	590.00	459.00	385.00	360.00	351.00	253.00
1951	845.00	736.00	531.00	383.00	280.00	215.00	193.00	184.00	169.00
1952	744.00	592.00	501.00	396.00	304.00	220.00	206.00	193.00	156.00
1953	424.00	305.00	173.00	155.00	108.00	80.00	74.00	65.00	53.00
1954	618.00	545.00	354.00	281.00	219.00	160.00	126.00	103.00	82.00
1955	689.00	581.00	523.00	336.00	211.00	145.00	141.00	127.00	127.00
1956	1050.00	893.00	576.00	471.00	315.00	189.00	191.00	167.00	120.00
1957	623.00	544.00	456.00	354.00	267.00	170.00	137.00	118.00	93.00
1958	504.00	436.00	309.00	236.00	153.00	105.00	87.00	82.00	68.00
1959	780.00	760.00	660.00	465.00	348.00	278.00	218.00	184.00	137.00
1960	760.00	623.00	455.00	270.00	226.00	177.00	156.00	153.00	141.00

## 04179500 CEDAR CREEK AT AUBURN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	562.00	24	489.00	24	431.00	19	346.00	16	257.00	13	181.00	16	153.00	16	122.00	18	85.00	23
1962	528.00	25	484.00	25	365.00	24	342.00	18	248.00	14	167.00	20	135.00	21	113.00	21	89.00	20
1963	458.00	28	421.00	28	386.00	21	339.00	19	235.00	17	140.00	26	100.00	26	81.00	27	63.00	28
1964	348.00	30	257.00	30	182.00	29	161.00	29	120.00	29	109.00	27	80.00	29	63.00	30	44.00	30
1965	780.00	15	670.00	14	492.00	16	343.00	17	245.00	15	217.00	10	212.00	5	179.00	7	124.00	14
1966	1050.00	5	932.00	3	638.00	7	420.00	7	282.00	7	163.00	22	128.00	23	113.00	22	106.00	18
1967	1190.00	2	1060.00	2	754.00	1	469.00	4	269.00	10	184.00	15	149.00	17	156.00	14	133.00	9
1968	1050.00	3	888.00	6	691.00	4	459.00	6	268.00	11	245.00	5	189.00	10	173.00	8	143.00	6
1969	965.00	8	876.00	7	627.00	8	411.00	8	278.00	9	218.00	9	166.00	14	158.00	11	133.00	10
1970	490.00	27	452.00	26	327.00	27	243.00	26	208.00	24	166.00	21	138.00	19	119.00	19	89.00	21
1971	720.00	19	520.00	23	352.00	26	262.00	25	204.00	25	158.00	24	116.00	25	101.00	25	83.00	24
1972	846.00	11	744.00	12	506.00	13	307.00	21	177.00	26	168.00	19	131.00	22	105.00	23	85.00	22
1973	647.00	21	565.00	20	384.00	22	301.00	22	233.00	19	190.00	13	175.00	12	157.00	12	155.00	4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	64.00	12
1946	72.00	17
1947	51.00	8
1948	94.00	25
1949	71.00	15
1950	112.00	27
1951	125.00	29
1952	104.00	26
1953	45.00	5
1954	28.00	2
1955	93.00	24
1956	45.00	6
1957	56.00	11
1958	66.00	13
1959	78.00	20
1960	80.00	21
1961	54.00	10
1962	71.00	16
1963	32.00	3
1964	23.00	1
1965	47.00	7
1966	80.00	22
1967	76.00	18
1968	76.00	19
1969	87.00	23
1970	53.00	9
1971	66.00	14
1972	34.00	4
1973	114.00	28

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	70.00	14
1945	61.00	19
1946	48.00	25
1947	81.00	7
1948	72.00	13
1949	63.00	17
1950	151.00	1
1951	109.00	2
1952	91.00	6
1953	31.00	29
1954	45.00	27
1955	74.00	11
1956	75.00	10
1957	50.00	23
1958	54.00	20
1959	78.00	8
1960	94.00	5
1961	47.00	26
1962	52.00	21
1963	34.00	28
1964	24.00	30
1965	69.00	15
1966	65.00	16
1967	73.00	12
1968	96.00	4
1969	77.00	9
1970	52.00	22
1971	49.00	24
1972	62.00	18
1973	107.00	3

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	8.59	25.20	13.50	8.95	62.00	209.00	338.00	113.00	50.20	11.40	4.62	3.12
1945	6.26	11.10	6.84	7.23	75.70	149.00	178.00	214.00	45.60	14.50	17.40	10.60
1946	55.10	17.40	31.70	81.30	106.00	90.90	21.00	22.50	127.00	15.50	5.50	7.41
1947	15.20	17.70	40.60	106.00	87.00	148.00	303.00	144.00	80.30	12.70	5.89	10.80
1948	18.30	30.40	60.60	89.00	179.00	201.00	100.00	134.00	36.90	12.70	6.39	3.87
1949	5.42	10.60	44.40	215.00	227.00	66.00	56.10	68.50	44.00	14.30	8.41	7.35
1950	28.10	9.82	103.00	425.00	231.00	346.00	362.00	50.50	45.00	91.90	22.20	99.30
1951	25.80	93.20	171.00	165.00	236.00	154.00	153.00	106.00	77.70	93.50	37.80	7.98
1952	29.70	68.70	64.80	298.00	132.00	175.00	154.00	106.00	36.30	16.20	7.05	5.85
1953	7.83	8.11	17.70	43.50	36.00	101.00	53.30	63.40	12.90	8.36	14.20	2.59
1954	1.67	2.44	5.44	13.60	34.20	124.00	195.00	35.90	38.00	61.20	24.50	7.83
1955	203.00	76.90	79.40	138.00	108.00	150.00	51.80	21.10	27.50	17.30	14.20	3.18
1956	16.90	84.30	23.50	12.50	127.00	150.00	114.00	258.00	36.40	28.50	39.00	7.38
1957	3.85	6.12	13.60	32.10	78.90	53.20	265.00	71.50	51.30	22.30	5.22	6.75
1958	14.50	49.90	138.00	41.50	54.50	68.90	54.60	16.00	29.50	35.30	49.10	99.70
1959	19.60	58.30	23.90	74.50	316.00	176.00	164.00	66.40	19.80	10.70	15.30	11.30
1960	51.00	111.00	113.00	178.00	140.00	88.20	173.00	78.00	162.00	21.50	8.53	6.20

STREAMS TRIBUTARY TO LAKE ERIE  
04179500 CEDAR CREEK AT AUBURN, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1961	5.24	7.44	5.78	5.60	23.90	149.00	196.00	103.00	17.20	11.80	17.50	23.30
1962	19.60	52.70	24.70	71.10	89.10	228.00	51.20	39.70	16.70	20.90	3.89	3.47
1963	6.78	6.04	5.64	4.53	5.30	218.00	52.20	22.60	25.50	12.40	41.90	5.29
1964	3.76	4.60	4.67	8.35	6.02	83.10	116.00	36.30	13.40	6.77	3.90	3.31
1965	2.98	3.59	6.78	48.10	114.00	219.00	208.00	146.00	17.20	9.59	9.57	41.80
1966	45.40	37.40	222.00	89.70	50.90	76.20	77.10	111.00	22.10	30.50	10.50	7.31
1967	5.95	39.00	261.00	43.40	99.30	197.00	146.00	50.00	15.70	9.81	3.91	3.93
1968	7.17	20.40	257.00	97.10	208.00	95.80	101.00	93.30	104.00	69.30	80.60	14.10
1969	8.27	36.80	134.00	222.00	126.00	60.10	144.00	102.00	49.20	30.30	9.18	7.20
1970	8.30	57.70	20.70	25.10	51.70	126.00	190.00	93.80	21.00	9.55	10.30	6.89
1971	19.20	56.30	64.00	18.20	198.00	118.00	39.30	46.80	30.50	3.55	1.72	3.88
1972	4.38	3.64	50.20	50.00	18.90	158.00	172.00	58.10	12.90	37.60	12.10	166.00
1973	109.00	226.00	141.00	128.00	88.80	224.00	115.00	78.40	90.80	49.60	20.30	7.46
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
5.82	7.94	13.60	17.00	51.50	90.20
FIFTIETH PERCENTILE					
11.50	27.80	42.50	60.50	94.20	149.00
SEVENTY FIFTH PERCENTILE					
26.40	57.80	118.00	131.00	150.00	198.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
55.70	45.00	19.10	11.20	5.79	3.92
FIFTIETH PERCENTILE					
145.00	74.70	36.30	15.80	10.40	7.33
SEVENTY FIFTH PERCENTILE					
191.00	107.00	50.50	31.70	20.80	10.90

## 04180000 CEDAR CREEK NEAR CEDARVILLE, IN

LOCATION.--Lat 41°13'08", long 85°04'35", in NW¼NW¼ sec.19, T.32 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank at downstream side of bridge on State Highway 427, 3 mi northwest of Cedarville, 5.8 mi upstream from mouth, and 10 mi south of Auburn.

DRAINAGE AREA.--270 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1946 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 780.09 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 4, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--39 years, 245 ft<sup>3</sup>/s, 12.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,340 ft<sup>3</sup>/s Mar. 14, 1982, gage height, 12.98 ft; minimum daily, 13 ft<sup>3</sup>/s Oct. 3, 1949.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1948				8	20	20	20	13	17	25	25	27	16	15	27	16	19	14	11	15	12	10	6	6	4	3	4	7	3	2	1					
1949		3	14	26	31	33	23	19	14	16	13	14	15	22	21	21	16	8	8	6	9	3	9	6	4	1	3	2	2	2		1				
1950	2	1			2		18	30	22	17	18	14	18	28	14	9	9	17	23	8	17	14	13	16	13	10	9	4	7	8	2	1	1			
1951								16	21	17	16	17	20	24	22	22	16	25	25	17	17	17	17	17	10	6	7	4	2	6	4					
1952					1	9	41	33	16	6	16	7	22	37	15	20	21	23	11	17	16	13	9	5	5	4	11	3	4	1						
1953		2	11	27	29	52	27	28	25	17	15	14	14	25	11	17	18	5	11	7	3	2	2		1	2										
1954		3	11	43	47	21	23	16	14	18	21	18	14	16	12	9	14	12	8	7	9	8	6	4	5	2	1	2		1						
1955					2	16	12	20	21	16	15	13	31	35	30	16	17	22	17	21	10	9	8	8	8	4	6		4		4					
1956					5	20	4	28	29	37	31	22	24	18	23	10	24	15	13	5	11	8	6	10	4	5	3	2	4	1		3		1		
1957					7	78	38	31	19	20	7	11	27	21	25	13	8	7	8	4	10	5	6	4	4	5	2	1	2	1	1					
1958					14	4	15	9	39	29	42	30	47	25	14	12	11	11	13	10	10	13	4	4	3	2	2	2								
1959					1	25	13	26	12	44	29	24	12	15	26	14	15	17	11	7	14	7	15	10	5	8	4	1	2	2	1	2	3			
1960						4	31	19	24	15	14	21	32	34	29	25	20	17	14	9	10	7	8	7	7	5	5	2	4	3						
1961					9	47	64	49	29	17	17	6	15	21	13	8	4	7	9	14	1	5	5	8	7	4	2	4								
1962					22	33	10	23	26	36	25	25	28	25	17	17	15	11	8	7	7	6	2	5	4	3	6	2		2						
1963					4	86	99	22	14	14	15	15	14	10	10	12	4	3	5	11	5	3	2	5	4	4	4									
1964					5	45	94	49	21	34	16	12	8	8	13	10	8	5	4	6	7	5	6	2	1	2	2	3								
1965					3	38	22	24	35	32	25	17	12	10	14	16	7	6	13	11	11	15	10	8	8	4	6	3	7	3	3	2				
1966					4	30	10	13	19	24	15	20	31	31	27	29	18	29	14	6	10	4	7	5	4	4	4	1	2	2		1	1			
1967					2	48	31	20	20	13	14	13	11	9	19	36	12	20	15	14	14	11	12	8	4	2	5	4	3		1	2	1	1		
1968					1	7	7	9	5	12	27	19	21	30	32	36	23	23	15	15	16	10	14	8	7	3	5	5	6	3	1	2		4		
1969						18	46	28	7	9	10	16	18	31	36	27	22	20	13	11	12	11	7	4	3	3	4	3		2	2		2			
1970					5	20	47	34	45	27	15	21	16	11	18	18	8	9	11	15	12	5	9	8	6	1	1	3								
1971					1	9	28	35	24	24	17	12	21	23	21	38	21	17	17	8	10	13	5	7	2	4	3		2	1	1	1				
1972					16	19	25	18	27	30	21	19	23	21	28	11	12	17	19	14	11	10	5	4	5	6	1	2		1	1					
1973						5	9	8	5	10	18	10	8	11	37	24	38	33	33	21	23	21	14	14	9	5	5	3	1							
1974					16	17	57	31	13	7	14	11	14	19	20	23	14	14	11	17	13	10	11	3	2	5	4	6	3	7	3					
1975					14	14	14	30	24	20	12	16	16	20	23	17	18	28	19	12	15	7	14	6	12	8	1	3	2							
1976					11	17	31	32	26	25	25	22	25	28	28	10	17	12	10	5	6	4	3	6	2	6	2	4	4	1	2	2				
1977					1	13	41	83	33	24	11	17	12	12	9	15	10	12	10	10	7	9	7	6	8	5	3	2	3	1	1					
1978						7	10	8	24	20	62	38	21	25	24	21	20	13	4	9	7	5	3	5	3	9	6	10	5	2	1	1	2			
1979						9	54	18	29	62	22	21	15	13	15	12	13	15	12	8	13	6	6	5	4	3	5	1	1		2	1				
1980						2	21	14	22	24	12	14	27	31	35	32	21	21	11	8	11	13	14	8	7	5	3	3	5	1	1					
1981							8	45	40	29	19	17	31	35	19	22	12	12	13	8	7	3	8	7	5	7	8	2	4	2		2				
1982						5	21	13	7	17	25	23	16	32	36	28	21	19	19	16	13	11	11	7	3	5	5	1	1	1	3	1	3	2		
1983						3	19	16	30	26	15	10	7	8	15	23	36	24	22	20	17	10	9	8	8	10	4	4	6	4		2		1		
1984						11	1		9	34	36	18	19	35	31	26	14	16	13	17	16	9	9	9	6	7	9	4	3	5	6		3			
1985						4	9	8	14	12	19	22	26	38	40	30	16	20	19	11	13	6	8	4	12	7	6	2	2	3	4	4	2	2	1	1

STREAMS TRIBUTARY TO LAKE ERIE  
04180000 CEDAR CREEK NEAR CEDARVILLE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13880	100.00	12	94.0	748	7509	54.10	24	820.0	211	909	6.55
1	13.0	2	13880	100.00	13	110.0	834	6761	48.71	25	980.0	188	698	5.03
2	16.0	17	13878	99.99	14	130.0	942	5927	42.70	26	1200.0	129	510	3.67
3	19.0	143	13861	99.86	15	160.0	638	4985	35.91	27	1400.0	137	381	2.74
4	22.0	578	13718	98.83	16	190.0	631	4347	31.32	28	1700.0	75	244	1.76
5	27.0	865	13140	94.67	17	230.0	579	3716	26.77	29	2000.0	69	169	1.22
6	32.0	832	12275	88.44	18	280.0	489	3137	22.60	30	2400.0	49	100	0.72
7	38.0	884	11443	82.44	19	330.0	471	2648	19.08	31	2900.0	21	51	0.37
8	46.0	859	10559	76.07	20	400.0	376	2177	15.68	32	3400.0	20	30	0.22
9	55.0	783	9700	69.88	21	480.0	338	1801	12.98	33	4100.0	7	10	0.07
10	66.0	696	8917	64.24	22	570.0	294	1463	10.54	34	4900.0	3	3	0.02
11	79.0	712	8221	59.23	23	680.0	260	1169	8.42					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	26.6
P90 =	30.7
P75 =	47.6
P70 =	54.8
P50 =	106.0
P25 =	251.0
P10 =	598.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	23.00 12	26.00 16	28.00 21	30.00 22	33.00 23	34.00 19	36.00 17	44.00 15	80.00 21
1949	21.00 10	21.00 6	21.00 4	22.00 6	24.00 5	26.00 6	30.00 8	33.00 8	45.00 9
1950	13.00 1	15.00 1	18.00 1	21.00 3	25.00 6	27.00 8	35.00 14	56.00 22	61.00 14
1951	46.00 38	46.00 38	48.00 38	52.00 38	62.00 37	126.00 37	124.00 36	141.00 36	174.00 34
1952	38.00 35	38.00 35	39.00 34	40.00 33	43.00 30	52.00 29	88.00 30	130.00 34	203.00 36
1953	29.00 24	30.00 23	31.00 23	32.00 23	32.00 21	34.00 20	36.00 18	39.00 13	53.00 12
1954	18.00 2	18.00 2	18.00 2	19.00 1	20.00 1	22.00 2	23.00 2	25.00 3	29.00 4
1955	31.00 28	31.00 24	33.00 26	37.00 30	51.00 32	150.00 38	163.00 38	172.00 38	234.00 38
1956	26.00 20	26.00 17	27.00 17	28.00 19	30.00 17	45.00 27	63.00 29	71.00 27	81.00 22
1957	25.00 16	26.00 18	26.00 14	27.00 14	27.00 12	29.00 12	32.00 10	35.00 11	45.00 10
1958	25.00 17	26.00 19	27.00 18	29.00 20	30.00 18	33.00 17	35.00 15	52.00 19	94.00 25
1959	34.00 32	35.00 30	37.00 32	39.00 32	53.00 33	87.00 34	113.00 35	133.00 35	168.00 33
1960	26.00 21	27.00 20	27.00 19	28.00 15	31.00 19	38.00 21	44.00 22	54.00 20	88.00 23
1961	25.00 18	25.00 15	26.00 15	26.00 11	28.00 13	28.00 9	32.00 11	33.00 9	36.00 6
1962	31.00 29	32.00 28	36.00 31	36.00 26	41.00 29	59.00 30	58.00 28	64.00 24	72.00 19
1963	24.00 13	24.00 12	24.00 9	25.00 9	25.00 7	26.00 7	26.00 4	27.00 4	28.00 2
1964	20.00 5	21.00 7	21.00 5	21.00 4	22.00 3	23.00 3	24.00 3	24.00 2	28.00 3
1965	18.00 3	18.00 3	18.00 3	19.00 2	20.00 2	20.00 1	21.00 1	21.00 1	26.00 1
1966	29.00 25	31.00 25	35.00 28	36.00 27	40.00 28	48.00 28	53.00 26	67.00 25	90.00 24
1967	20.00 4	21.00 4	22.00 6	22.00 5	23.00 4	25.00 4	27.00 5	37.00 12	61.00 15
1968	21.00 6	22.00 8	22.00 7	24.00 7	25.00 8	26.00 5	29.00 6	33.00 10	47.00 11
1969	34.00 33	35.00 31	36.00 29	36.00 28	37.00 24	43.00 25	57.00 27	79.00 28	130.00 31
1970	27.00 22	28.00 22	29.00 22	30.00 21	33.00 22	34.00 18	37.00 19	44.00 16	71.00 18
1971	24.00 14	25.00 13	27.00 16	28.00 16	31.00 20	38.00 22	41.00 21	46.00 17	74.00 20
1972	21.00 7	23.00 10	24.00 10	26.00 12	26.00 11	31.00 14	33.00 12	32.00 6	40.00 7
1973	33.00 30	35.00 32	38.00 33	42.00 34	58.00 35	104.00 35	106.00 33	116.00 33	229.00 37
1974	29.00 23	31.00 26	32.00 24	34.00 24	37.00 25	42.00 24	45.00 23	71.00 26	106.00 27
1975	23.00 11	23.00 11	24.00 11	25.00 10	25.00 9	28.00 10	30.00 9	33.00 7	44.00 8
1976	34.00 31	35.00 33	36.00 30	37.00 29	39.00 27	44.00 26	52.00 25	56.00 21	103.00 26
1977	21.00 8	22.00 9	24.00 12	27.00 13	28.00 14	29.00 13	29.00 7	30.00 5	33.00 5
1978	30.00 26	31.00 27	33.00 25	38.00 31	46.00 31	62.00 31	106.00 34	95.00 31	109.00 28
1979	25.00 15	25.00 14	26.00 13	28.00 17	28.00 15	32.00 15	36.00 16	47.00 18	64.00 16
1980	26.00 19	27.00 21	28.00 20	28.00 18	29.00 16	32.00 16	37.00 20	57.00 23	58.00 13
1981	35.00 34	36.00 34	41.00 35	49.00 36	53.00 34	63.00 32	93.00 32	94.00 30	120.00 29
1982	39.00 36	40.00 36	42.00 36	47.00 35	65.00 38	112.00 36	160.00 37	162.00 37	162.00 32
1983	31.00 27	33.00 29	34.00 27	35.00 25	37.00 26	41.00 23	47.00 24	104.00 32	195.00 35
1984	21.00 9	21.00 5	22.00 8	24.00 8	26.00 10	28.00 11	34.00 13	41.00 14	68.00 17
1985	43.00 37	46.00 37	46.00 37	51.00 37	61.00 36	78.00 33	89.00 31	90.00 29	129.00 30

## 04180000 CEDAR CREEK NEAR CEDARVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	2550.00 24	2090.00 23	1320.00 29	1200.00 20	746.00 27	729.00 12	621.00 13	507.00 15	406.00 19
1949	3680.00 11	2950.00 12	1870.00 15	1220.00 18	877.00 18	774.00 9	592.00 16	490.00 18	392.00 21
1950	4660.00 3	3720.00 4	2410.00 7	1930.00 5	1460.00 3	1210.00 2	1130.00 1	1120.00 1	819.00 1
1951	2820.00 18	2430.00 18	1810.00 17	1250.00 17	888.00 16	694.00 15	679.00 8	599.00 8	566.00 4
1952	2680.00 22	1960.00 26	1430.00 23	1260.00 15	997.00 10	743.00 10	694.00 7	650.00 6	529.00 6
1953	1300.00 36	1070.00 36	645.00 37	559.00 37	402.00 37	302.00 38	285.00 37	246.00 36	200.00 36
1954	2680.00 23	2070.00 24	1340.00 27	982.00 26	763.00 24	544.00 30	425.00 31	375.00 29	313.00 26
1955	2800.00 19	2600.00 16	2200.00 10	1380.00 12	832.00 22	547.00 29	497.00 20	454.00 21	437.00 15
1956	4380.00 5	3240.00 10	2090.00 13	1760.00 7	1150.00 7	690.00 16	663.00 10	573.00 11	403.00 20
1957	2430.00 25	2130.00 22	1690.00 20	1250.00 16	956.00 11	580.00 23	450.00 29	387.00 27	304.00 28
1958	1890.00 33	1760.00 30	1160.00 32	901.00 31	578.00 35	386.00 36	312.00 35	286.00 35	238.00 35
1959	3960.00 7	3550.00 5	3130.00 3	1970.00 4	1340.00 5	1030.00 4	815.00 4	689.00 4	510.00 9
1960	2880.00 16	2360.00 19	1700.00 19	981.00 27	709.00 30	548.00 27	530.00 18	479.00 20	463.00 13
1961	1660.00 35	1300.00 35	1160.00 33	993.00 25	755.00 25	561.00 25	494.00 21	398.00 25	283.00 32
1962	2340.00 27	1950.00 27	1380.00 24	1200.00 21	862.00 19	579.00 24	467.00 27	389.00 26	305.00 27
1963	1180.00 37	1030.00 37	934.00 36	845.00 32	610.00 34	401.00 35	295.00 36	239.00 37	181.00 37
1964	1180.00 38	874.00 38	608.00 38	531.00 38	399.00 38	335.00 37	251.00 38	202.00 38	146.00 38
1965	2070.00 31	1740.00 31	1320.00 28	916.00 30	686.00 32	658.00 18	612.00 15	516.00 14	362.00 23
1966	3280.00 13	2630.00 14	1800.00 18	1210.00 19	790.00 23	460.00 34	368.00 34	327.00 33	314.00 25
1967	4460.00 4	3930.00 3	2780.00 4	1640.00 8	943.00 12	559.00 26	468.00 25	505.00 17	420.00 17
1968	3850.00 8	3310.00 8	2420.00 6	1500.00 11	917.00 13	807.00 8	632.00 12	557.00 12	473.00 12
1969	3610.00 12	3290.00 9	2240.00 9	1340.00 13	890.00 15	662.00 17	493.00 22	484.00 19	407.00 18
1970	1670.00 34	1540.00 34	1070.00 35	799.00 35	641.00 33	521.00 31	438.00 30	385.00 28	287.00 29
1971	2850.00 17	2170.00 21	1340.00 25	923.00 29	735.00 28	547.00 28	405.00 32	362.00 32	286.00 30
1972	2400.00 26	1980.00 25	1340.00 26	827.00 33	542.00 36	466.00 33	379.00 33	307.00 34	259.00 34
1973	2300.00 29	1910.00 28	1230.00 30	1040.00 23	834.00 21	638.00 19	582.00 17	524.00 13	535.00 5
1974	2730.00 21	2600.00 15	2120.00 12	1540.00 10	1020.00 9	952.00 6	775.00 5	673.00 5	520.00 7
1975	1910.00 32	1660.00 33	1090.00 34	787.00 36	694.00 31	495.00 32	483.00 23	438.00 23	423.00 16
1976	3270.00 14	2930.00 13	2360.00 8	1860.00 6	1390.00 4	841.00 7	618.00 14	506.00 16	390.00 22
1977	2180.00 30	1710.00 32	1160.00 31	802.00 34	722.00 29	587.00 22	467.00 26	365.00 30	284.00 31
1978	3710.00 9	3470.00 6	2650.00 5	2040.00 3	1630.00 2	1000.00 5	740.00 6	585.00 10	505.00 10
1979	2790.00 20	2300.00 20	1550.00 21	968.00 28	749.00 26	608.00 20	463.00 28	365.00 31	276.00 33
1980	2330.00 28	1760.00 29	1440.00 22	1020.00 24	886.00 17	599.00 21	482.00 24	422.00 24	340.00 24
1981	3980.00 6	3350.00 7	2150.00 11	1570.00 9	1110.00 8	730.00 11	675.00 9	586.00 9	497.00 11
1982	5030.00 1	4740.00 1	4350.00 1	3080.00 1	1850.00 1	1220.00 1	907.00 2	787.00 2	621.00 2
1983	3690.00 10	2960.00 11	1860.00 16	1070.00 22	907.00 14	713.00 13	525.00 19	447.00 22	448.00 14
1984	2970.00 15	2530.00 17	1870.00 14	1270.00 14	858.00 20	708.00 14	647.00 11	617.00 7	514.00 8
1985	4910.00 2	4420.00 2	3170.00 2	2140.00 2	1300.00 6	1170.00 3	821.00 3	747.00 3	569.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	288.00 26
1949	244.00 20
1950	364.00 33
1951	395.00 37
1952	383.00 35
1953	165.00 7
1954	109.00 3
1955	340.00 32
1956	174.00 8
1957	184.00 11
1958	233.00 17
1959	296.00 28
1960	255.00 23
1961	198.00 13
1962	236.00 19
1963	100.00 2
1964	77.00 1
1965	155.00 6
1966	234.00 18
1967	245.00 21
1968	248.00 22
1969	271.00 24
1970	178.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	240.00 19
1949	220.00 23
1950	485.00 1
1951	377.00 4
1952	320.00 6
1953	118.00 36
1954	180.00 29
1955	270.00 15
1956	256.00 16
1957	171.00 33
1958	203.00 25
1959	292.00 12
1960	300.00 10
1961	162.00 35
1962	179.00 30
1963	105.00 37
1964	85.00 38
1965	208.00 24
1966	193.00 27
1967	238.00 20
1968	311.00 7
1969	246.00 18
1970	174.00 31

## 04180000 CEDAR CREEK NEAR CEDARVILLE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	227.00	16
1972	116.00	4
1973	391.00	36
1974	331.00	31
1975	181.00	10
1976	317.00	30
1977	130.00	5
1978	272.00	25
1979	204.00	14
1980	185.00	12
1981	220.00	15
1982	443.00	38
1983	291.00	27
1984	310.00	29
1985	368.00	34

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	181.00	28
1972	198.00	26
1973	379.00	3
1974	286.00	13
1975	248.00	17
1976	224.00	22
1977	171.00	32
1978	297.00	11
1979	166.00	34
1980	226.00	21
1981	307.00	9
1982	382.00	2
1983	276.00	14
1984	311.00	8
1985	341.00	5

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	*	62.20	130.00	314.00	268.00	406.00	790.00	409.00	243.00	57.00	34.20	36.70
1948	95.20	109.00	179.00	277.00	585.00	660.00	334.00	406.00	124.00	53.10	37.10	24.90
1949	28.60	48.60	162.00	767.00	765.00	211.00	178.00	277.00	131.00	52.10	29.70	29.70
1950	122.00	49.00	328.00	1393.0	717.00	1057.0	1131.0	185.00	270.00	262.00	82.90	236.00
1951	71.20	235.00	547.00	532.00	762.00	468.00	562.00	481.00	274.00	424.00	151.00	46.80
1952	106.00	260.00	247.00	979.00	470.00	592.00	510.00	360.00	130.00	95.50	48.80	39.80
1953	33.10	39.10	67.10	148.00	132.00	373.00	209.00	258.00	59.50	35.10	42.20	22.30
1954	22.70	27.60	29.60	47.80	101.00	447.00	640.00	133.00	212.00	203.00	238.00	55.50
1955	805.00	248.00	277.00	444.00	352.00	471.00	244.00	96.20	92.50	101.00	77.70	30.80
1956	88.00	330.00	86.00	51.60	405.00	498.00	384.00	947.00	112.00	74.50	73.70	31.20
1957	29.10	36.30	45.90	118.00	209.00	146.00	948.00	205.00	178.00	84.40	31.40	36.40
1958	83.40	177.00	524.00	149.00	171.00	218.00	157.00	68.60	165.00	216.00	187.00	314.00
1959	76.70	206.00	99.50	296.00	1290.0	567.00	599.00	235.00	86.20	58.10	42.40	41.60
1960	120.00	299.00	332.00	531.00	450.00	279.00	554.00	300.00	571.00	83.70	55.40	43.80
1961	34.60	38.90	30.60	29.60	107.00	528.00	582.00	320.00	79.60	54.10	67.20	68.50
1962	70.60	164.00	95.40	239.00	313.00	788.00	180.00	128.00	62.20	57.30	28.50	27.70
1963	33.50	27.40	27.00	25.90	28.50	560.00	217.00	87.60	72.90	72.70	67.10	24.70
1964	22.00	26.00	24.70	43.20	30.00	235.00	388.00	121.00	52.00	39.20	22.00	20.90
1965	19.80	24.00	30.50	151.00	360.00	643.00	655.00	324.00	57.00	54.20	73.40	125.00
1966	123.00	119.00	601.00	277.00	174.00	222.00	225.00	362.00	69.20	75.80	32.60	23.60
1967	27.30	157.00	908.00	131.00	336.00	586.00	317.00	227.00	71.90	42.60	29.60	25.00
1968	34.30	79.90	883.00	314.00	683.00	276.00	323.00	356.00	362.00	196.00	176.00	58.00
1969	37.70	106.00	366.00	671.00	411.00	197.00	447.00	335.00	163.00	146.00	41.40	35.30
1970	37.40	184.00	77.90	112.00	183.00	383.00	602.00	310.00	84.80	42.40	42.40	43.00
1971	83.80	190.00	204.00	68.60	725.00	377.00	139.00	199.00	131.00	40.90	29.10	34.30
1972	40.00	26.60	147.00	162.00	72.10	370.00	532.00	223.00	77.30	173.00	83.50	477.00
1973	367.00	750.00	479.00	444.00	273.00	809.00	432.00	253.00	363.00	172.00	154.00	49.90
1974	41.20	85.60	309.00	795.00	512.00	809.00	369.00	302.00	106.00	48.90	34.50	28.50
1975	27.50	46.30	116.00	375.00	442.00	291.00	465.00	300.00	680.00	128.00	66.20	65.50
1976	40.20	75.20	281.00	99.40	1069.0	586.00	196.00	125.00	88.90	85.70	54.20	28.50
1977	29.80	31.20	32.60	34.30	165.00	683.00	454.00	139.00	68.10	176.00	73.70	164.00
1978	100.00	111.00	637.00	122.00	79.70	1108.0	814.00	247.00	99.30	99.50	79.30	39.80
1979	28.50	41.20	106.00	115.00	61.90	706.00	491.00	167.00	60.80	43.00	123.00	33.80
1980	30.50	96.30	272.00	134.00	142.00	622.00	515.00	159.00	293.00	105.00	187.00	156.00
1981	68.30	57.90	189.00	59.80	711.00	187.00	533.00	353.00	1046.0	216.00	66.00	257.00
1982	210.00	168.00	117.00	281.00	346.00	1724.0	587.00	308.00	311.00	409.00	63.20	45.80
1983	37.30	467.00	642.00	153.00	221.00	250.00	684.00	616.00	104.00	68.80	36.40	28.50
1984	48.80	199.00	574.00	99.30	588.00	688.00	631.00	502.00	144.00	73.10	123.00	74.70
1985	137.00	260.00	321.00	408.00	837.00	937.00	696.00	104.00	71.00	40.60	129.00	197.00



04180000 CEDAR CREEK NEAR CEDARVILLE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
30.30	41.20	86.00	99.40	165.00	279.00
FIFTIETH PERCENTILE					
40.70	106.00	189.00	153.00	346.00	498.00
SEVENTY FIFTH PERCENTILE					
96.40	199.00	366.00	408.00	588.00	683.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
317.00	159.00	72.90	53.10	36.40	28.50
FIFTIETH PERCENTILE					
491.00	258.00	112.00	75.80	66.00	39.80
SEVENTY FIFTH PERCENTILE					
602.00	353.00	243.00	172.00	83.50	68.50

## 04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 41°10'41", long 85°03'19", in NW¼ sec.3, T.31 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank 0.8 mi downstream from Ely Run, 1.3 mi upstream from Ely Bridge and Mayhew Road, 8.0 mi northeast of the Fort Wayne Court House.

DRAINAGE AREA.--1,060 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1983 to September 1985. July 1941 to September 1955 gage located 1.3 mi downstream at Ely Bridge.

GAGE.--Water-stage recorder. Datum of gage is 750.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana).

REMARKS.--Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft<sup>3</sup>/s Feb. 26, 1985, gage height, 17.79 ft; minimum daily, 73 ft<sup>3</sup>/s Oct. 11, 1983

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1942		1			1	5	13	10	16	36	35	15	26	31	18	18	20	17	12	11	10	15	12	7	9	3	7	4	9	3	1				
1943										3	21	23	14	24	13	13	12	34	31	23	19	23	19	13	18	15	9	7	2	8	7	7	7		
1944						5	7	31	27	48	37	21	27	16	8	11	7	8	4	14	6	25	10	7	12	6	5	6	7	5	3	1	2		
1945						1	14	73	48	18	16	15	17	15	4	16	10	14	22	14	9	7	6	11	8	5	3	3	4	4	3	2	3		
1946						3	15	21	17	8	10	18	46	34	28	22	19	12	12	13	9	18	10	9	13	12	6	4	2	2	2				
1947						11	7	2	18	15	32	29	27	24	21	25	6	6	7	3	17	16	19	8	12	14	12	15	10	4	2	3			
1948						12	14	17	33	16	14	18	19	21	24	19	18	17	18	8	12	19	14	11	3	8	9	11	5	4	2				
1949						3	26	37	18	26	25	16	15	18	11	14	20	17	19	15	14	13	13	7	6	9	7	4	4	3	3	2			
1950						3	1	1	22	36	15	9	17	19	22	19	13	9	12	10	24	14	8	16	15	15	8	15	14	19	5	2	2		
1951										7	13	22	10	20	14	17	32	23	19	22	19	26	16	9	16	13	20	20	11	9	3	4			
1952							6	19	38	28	12	11	9	8	15	25	22	12	23	18	18	13	9	13	14	10	17	14	8	4					
1953						3	8	36	30	44	36	31	27	10	12	9	10	16	23	19	17	7	14	2	3	4	1	1	2						
1954						6	13	27	16	13	34	32	22	17	12	15	10	8	13	20	14	13	7	13	6	6	6	8	6	3	1	1			
1955						7	22	11	8	9	17	12	5	10	16	16	36	37	24	14	18	17	24	11	6	9	5	9	10	6	6				
1984						6	6	6	6	17	36	29	22	40	19	22	15	15	8	11	6	22	10	7	11	10	13	8	13	9	5				
1985										17	14	24	24	40	27	40	25	17	19	19	12	13	6	11	5	9	7	6	8	5	5	4	4	3	1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.00	12	210.0	287	3874	66.29	24	2000.0	162	865	14.80
1	27.0	0	5844	100.00	13	250.0	343	3587	61.38	25	2400.0	139	703	12.03
2	33.0	7	5844	100.00	14	310.0	247	3244	55.51	26	2900.0	142	564	9.65
3	39.0	13	5837	99.88	15	370.0	286	2997	51.28	27	3500.0	124	422	7.22
4	47.0	52	5824	99.66	16	450.0	287	2711	46.39	28	4200.0	107	298	5.10
5	57.0	94	5772	98.77	17	540.0	283	2424	41.48	29	5100.0	83	191	3.27
6	69.0	166	5678	97.16	18	650.0	236	2141	36.64	30	6100.0	59	108	1.85
7	83.0	288	5512	94.32	19	780.0	246	1905	32.60	31	7400.0	25	49	0.84
8	100.0	276	5224	89.39	20	940.0	200	1659	28.39	32	8900.0	18	24	0.41
9	120.0	365	4948	84.67	21	1100.0	285	1459	24.97	33	11000.0	5	6	0.10
10	150.0	382	4583	78.42	22	1400.0	169	1174	20.09	34	13000.0	1	1	0.02
11	180.0	327	4201	71.89	23	1700.0	140	1005	17.20					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 79.6  
P90 = 97.9  
P75 = 166.0  
P70 = 190.0  
P50 = 391.0  
P25 = 1100.0  
P10 = 2830.0

## 04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1943	77.00 8	88.00 10	94.00 11	122.00 11	177.00 13	319.00 13	293.00 13	399.00 12	388.00 10
1944	86.00 10	87.00 9	92.00 9	99.00 10	120.00 10	160.00 8	187.00 8	226.00 8	244.00 7
1945	62.00 5	64.00 5	66.00 5	75.00 5	85.00 5	95.00 4	94.00 4	98.00 3	104.00 1
1946	88.00 11	90.00 11	92.00 10	94.00 9	105.00 9	224.00 12	264.00 10	327.00 10	356.00 9
1947	51.00 3	53.00 3	53.00 3	54.00 3	58.00 3	71.00 2	79.00 2	96.00 2	158.00 5
1948	64.00 7	73.00 7	88.00 8	90.00 8	103.00 8	159.00 7	155.00 7	186.00 6	312.00 8
1949	58.00 4	60.00 4	61.00 4	65.00 4	71.00 4	79.00 3	90.00 3	101.00 4	149.00 3
1950	63.00 6	68.00 6	71.00 6	85.00 6	91.00 6	101.00 5	119.00 6	198.00 7	230.00 6
1951	140.00 14	144.00 14	153.00 14	184.00 14	229.00 14	421.00 14	406.00 14	499.00 14	532.00 12
1952	122.00 13	127.00 13	129.00 13	139.00 12	155.00 11	182.00 9	290.00 12	437.00 13	728.00 14
1953	80.00 9	83.00 8	87.00 7	90.00 7	97.00 7	105.00 6	111.00 5	121.00 5	154.00 4
1954	45.00 2	45.00 2	47.00 2	48.00 2	50.00 1	61.00 1	66.00 1	72.00 1	107.00 2
1955	36.00 1	36.00 1	37.00 1	41.00 1	56.00 2	220.00 11	265.00 11	327.00 11	619.00 13
1985	104.00 12	114.00 12	124.00 12	142.00 13	170.00 12	214.00 10	217.00 9	233.00 9	420.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1942	6380.00 12	6000.00 12	4930.00 11	4630.00 8	3150.00 8	2430.00 12	2060.00 12	1630.00 12	1190.00 13
1943	10400.00 3	10200.00 3	9550.00 2	8820.00 1	6170.00 1	3730.00 3	3200.00 2	2810.00 3	2390.00 2
1944	9730.00 4	9100.00 5	7710.00 5	5690.00 4	3950.00 5	3240.00 4	2660.00 6	2240.00 6	1550.00 8
1945	9730.00 5	9560.00 4	8510.00 4	5400.00 6	3080.00 9	2580.00 10	2270.00 10	1960.00 9	1430.00 11
1946	5710.00 15	4890.00 15	3100.00 15	2160.00 15	1770.00 15	1330.00 15	1340.00 15	1100.00 15	963.00 15
1947	6880.00 9	6670.00 8	5670.00 10	4000.00 12	3710.00 7	2900.00 6	2530.00 7	2030.00 8	1650.00 7
1948	6550.00 11	6060.00 11	4730.00 13	4110.00 10	3030.00 11	2760.00 8	2290.00 9	1870.00 10	1500.00 9
1949	8400.00 7	7700.00 7	6660.00 7	4580.00 9	3000.00 12	2730.00 9	2120.00 11	1790.00 11	1410.00 12
1950	11900.00 2	11300.00 2	9340.00 3	7780.00 3	5620.00 2	4560.00 1	4240.00 1	4160.00 1	3120.00 1
1951	8600.00 6	8270.00 6	7230.00 6	5460.00 5	3930.00 6	3060.00 5	2840.00 4	2440.00 5	2290.00 3
1952	7170.00 8	6330.00 10	5790.00 8	5200.00 7	4070.00 4	2890.00 7	2770.00 5	2600.00 4	2110.00 5
1953	4080.00 16	3760.00 16	2520.00 16	2070.00 16	1470.00 16	1150.00 16	998.00 16	849.00 16	659.00 16
1954	6120.00 13	5400.00 13	4700.00 14	3820.00 13	3070.00 10	2230.00 13	1780.00 13	1440.00 14	1090.00 14
1955	5850.00 14	5220.00 14	4770.00 12	3570.00 14	2300.00 14	1710.00 14	1760.00 14	1570.00 13	1450.00 10
1984	6710.00 10	6370.00 9	5790.00 9	4090.00 11	2950.00 13	2550.00 11	2390.00 8	2230.00 7	1840.00 6
1985	13100.00 1	12700.00 1	11100.00 1	7990.00 2	5070.00 3	4390.00 2	3090.00 3	2830.00 2	2170.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1943	997.00 7
1944	1160.00 9
1945	779.00 4
1946	978.00 6
1947	514.00 2
1948	1160.00 10
1949	868.00 5
1950	1310.00 11
1951	1560.00 14
1952	1480.00 13
1953	593.00 3
1954	415.00 1
1955	1090.00 8
1985	1330.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1942	748.00 13
1943	1530.00 2
1944	867.00 9
1945	774.00 12
1946	629.00 14
1947	920.00 7
1948	853.00 10
1949	798.00 11
1950	1790.00 1
1951	1480.00 3
1952	1240.00 5
1953	396.00 16
1954	610.00 15
1955	894.00 8
1984	1100.00 6
1985	1260.00 4

STREAMS TRIBUTARY TO LAKE ERIE  
04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
	*	*	*	*	*	*	*	*	*	*	*	*
1941												51.50
1942	87.90	175.00	281.00	285.00	1693.0	2929.0	1526.0	237.00	466.00	196.00	770.00	415.00
1943	276.00	1342.0	1208.0	1422.0	1908.0	2280.0	822.00	5819.0	1311.0	1310.0	220.00	374.00
1944	121.00	452.00	200.00	140.00	770.00	2301.0	3787.0	1705.0	581.00	157.00	149.00	85.30
1945	110.00	105.00	92.60	99.20	862.00	1665.0	2047.0	2967.0	535.00	280.00	385.00	135.00
1946	859.00	221.00	420.00	1204.0	1302.0	1381.0	302.00	422.00	1074.0	238.00	88.80	71.10
1947	77.60	159.00	358.00	932.00	983.00	1492.0	3537.0	1765.0	1238.0	228.00	106.00	217.00
1948	207.00	374.00	741.00	926.00	1759.0	2853.0	1328.0	1385.0	339.00	160.00	111.00	72.20
1949	87.80	214.00	520.00	2604.0	2861.0	876.00	773.00	851.00	515.00	214.00	102.00	111.00
1950	431.00	149.00	1161.0	4828.0	2837.0	3818.0	4951.0	927.00	702.00	770.00	241.00	744.00
1951	269.00	899.00	2140.0	1856.0	3296.0	2123.0	2230.0	1962.0	788.00	1708.0	432.00	170.00
1952	323.00	1066.0	881.00	3898.0	1788.0	2489.0	2063.0	1469.0	456.00	243.00	144.00	113.00
1953	102.00	129.00	205.00	390.00	395.00	1395.0	834.00	717.00	157.00	98.20	246.00	71.60
1954	54.10	79.10	98.40	210.00	548.00	1862.0	2606.0	492.00	520.00	438.00	369.00	67.50
1955	1934.0	741.00	896.00	1851.0	1167.0	1982.0	1001.0	396.00	282.00	215.00	175.00	64.90
1984	146.00	774.00	2169.0	305.00	2232.0	2242.0	2521.0	1570.0	594.00	172.00	255.00	250.00
1985	427.00	1062.0	1179.0	1648.0	2838.0	3612.0	2843.0	345.00	260.00	244.00	381.00	480.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
91.40	152.00	224.00	290.00	892.00	1535.00
FIFTIETH PERCENTILE					
177.00	298.00	631.00	1068.00	1726.00	2183.00
SEVENTY FIFTH PERCENTILE					
401.00	868.00	1175.00	1855.00	2686.00	2762.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
876.00	440.00	368.00	178.00	119.00	71.30
FIFTIETH PERCENTILE					
2055.00	1156.00	528.00	233.00	231.00	113.00
SEVENTY FIFTH PERCENTILE					
2784.00	1750.00	767.00	399.00	378.00	312.00

## 04181500 ST. MARYS RIVER AT DECATUR, IN

LOCATION.--Lat 40°50'55", long 84°56'16", in SW¼SW¼ sec.27, T.28 N., R.14 E., Adams County, Hydrologic Unit 04100004, on right bank 10 ft downstream from bridge on U.S. Highway 27, 0.5 mi upstream from Holthouse ditch, 1.3 mi north of Decatur, and at mile 29.1.

DRAINAGE AREA.--621 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1946 to September 1985. Monthly discharge only for some periods, published in WSP 1307. Gage-height records collected at site 0.5 mi upstream January 1932 to November 1954, and at present site thereafter are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 760.44 ft above National Geodetic Vertical Datum of 1929. Prior to July 27, 1948, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Grand Lake. Slight diversion from or into Wabash River basin and into Miami and Erie Canal.

AVERAGE DISCHARGE.--39 years, 494 ft<sup>3</sup>/s, 10.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,300 ft<sup>3</sup>/s Feb. 10, 11, 1959; maximum gage height, 24.40 ft Mar. 14, 1982; minimum daily discharge, 5.4 ft<sup>3</sup>/s Oct. 18, 1960.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1948							4	24	19	25	17	18	29	14	16	28	28	14	20	12	7	12	8	3	14	9	20	9	9	2	3	2					
1949							2	13	26	10	5	30	27	10	24	16	15	20	24	24	20	12	9	22	8	24	9	8	7								
1950							1	21	31	34	21	18	19	14	21	19	19	11	17	7	9	12	7	19	9	12	12	1	8	10	9	1	2	1			
1951							8	24	16	11	11	11	13	18	8	23	6	23	16	15	15	21	12	17	22	18	23	15	8	4	4	3					
1952							1	23	36	26	25	20	15	8	13	8	12	19	18	11	11	15	13	8	10	14	15	16	6	12	6	2	3				
1953							7	23	54	39	6	18	11	16	14	14	29	19	15	14	11	16	9	9	12	11	10	4	1	3							
1954							1	39	61	58	17	15	19	11	15	15	12	15	15	9	7	9	6	9	12	10	8	2									
1955							3	15	10	16	17	19	26	10	22	21	37	12	13	17	13	10	9	4	16	6	8	18	10	16	6	6	2		2	1	
1956								1	26	40	22	30	24	26	19	26	15	13	12	15	10	13	13	8	15	12	13	8	4	1							
1957							1	8	11	64	18	11	7	11	12	23	16	10	16	10	8	7	8	11	17	9	11	10	10	5	5	2	4				
1958											3	12	18	25	24	16	31	23	21	18	23	22	31	16	11	15	10	15	10	6	10	3	2				
1959								15	27	30	28	11	21	14	5	17	6	6	13	9	20	16	17	14	15	13	16	12	7	9	5	9	1	2	4	2	1
1960							1	20	16	22	13	20	10	14	45	32	14	18	18	14	16	13	12	9	11	9	10	5	10	8	4	2					
1961							3	7	4	13	47	43	26	10	22	20	14	8	10	9	16	10	7	16	9	5	3	6	2	12	9	6	6	8	9	2	3
1962								6	24	19	22	24	40	32	41	14	12	10	20	10	4	9	9	5	5	10	5	9	5	9	10	4	5	2			
1963								25	45	54	46	15	13	20	15	22	23	8	7	11	4	7	5	12	7	3	2	4	5	5	1	1	2	3			
1964							12	11	7	35	69	33	28	19	12	15	11	11	13	4	8	2	6	6	2	6	8	7	3	6	2	4	5	6	7	4	4
1965							8	12	13	36	71	38	17	10	16	11	12	7	7	12	9	7	7	6	4	6	6	6	13	6	9	8	4				
1966							2	32	34	51	37	22	34	15	16	13	10	16	12	13	10	10	11	9	10	3	4		1								
1967							9	47	36	16	7	13	15	15	17	16	6	17	11	10	16	13	10	10	8	8	11	13	9	9	14	4	2	3			
1968							3	13	7	5	15	16	23	26	17	57	14	21	15	9	7	7	7	14	21	8	14	8	17	6	9	4	1	2			
1969								7	15	46	14	4	5	8	6	18	16	37	22	20	17	21	22	19	18	6	11	7	5	9	7	1	4				
1970							12	13	17	7	5	41	26	21	14	10	27	17	15	12	20	12	15	19	9	11	12	10	10	7	3						
1971							18	42	32	23	28	21	25	32	16	19	10	6	11	10	13	8	9	10	13	4	7	2	5	1							
1972							2	8	12	28	27	12	29	22	14	18	13	14	16	17	18	24	13	10	12	17	11	9	7	8	1	2	2				
1973								12	9	4	8	6	10	14	8	26	24	19	18	19	13	16	20	28	31	19	24	15	6	14	2						
1974							1	25	39	23	21	13	12	18	24	12	15	23	14	12	12	5	12	14	10	8	6	14	7	14	7			2	2		
1975							10	16	11	6	4	7	11	18	27	15	22	23	17	18	18	23	25	21	9	18	15	16	8	1	2	2	2				
1976								11	42	25	21	30	20	29	11	13	11	25	26	11	17	11	19	6	6	5	8	1	3	6	5	1	3				
1977							39	109	41	20	17	12	13	13	5	17	7	7	10	5	4	2	6	7	13	4	9	3	2								
1978							1	15	29	32	29	16	21	56	20	18	13	13	8	8	9	11	7	7	2	5	3	8	5	7	8	2	4	3	4	1	
1979							3	21	19	36	29	28	17	15	25	17	25	7	21	18	10	12	9	8	7	8	7	9	4	3	2	1	1	3			
1980							1	13	17	15	39	30	35	28	15	31	12	9	10	7	11	16	4	9	9	6	15	12	11	4	3		3	1			
1981							1	8	8	27	42	40	18	21	21	16	17	11	20	10	7	13	9	5	12	5	7	11	13	9	3	3	2	2	2		
1982							1	4	12	23	36	28	16	19	7	21	11	16	10	12	10	12	20	16	11	12	10	14	10	7	6	3	5	1	1	1	
1983							1	2	5	13	54	21	15	23	15	8	18	16	19	30	16	15	16	13	17	11	1	9	4	9	6	5	3				
1984								13	32	22	13	26	25	22	10	26	13	13	19	15	8	15	12	11	11	11	14	8	11	14	2						
1985							2	22	44	26	20	26	25	33	22	22	10	15	11	14	8	12	10	6	7	4	7	5	5	3	1	1		3	1		

## STREAMS TRIBUTARY TO LAKE ERIE

04181500 ST. MARYS RIVER AT DECATUR, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13880	100.00	12	67.0	725	8484	61.12	24	1000.0	469	2053	14.79
1	5.4	15	13880	100.00	13	84.0	807	7759	55.90	25	1300.0	324	1584	11.41
2	6.8	26	13865	99.89	14	110.0	461	6952	50.09	26	1600.0	420	1260	9.08
3	8.5	28	13839	99.70	15	130.0	752	6491	46.77	27	2100.0	264	840	6.05
4	11.0	135	13811	99.50	16	170.0	559	5739	41.35	28	2600.0	226	576	4.15
5	13.0	464	13676	98.53	17	210.0	491	5180	37.32	29	3300.0	174	350	2.52
6	17.0	705	13212	95.19	18	260.0	513	4689	33.78	30	4100.0	69	176	1.27
7	21.0	1075	12507	90.11	19	330.0	469	4176	30.09	31	5100.0	55	107	0.77
8	27.0	843	11432	82.36	20	420.0	430	3707	26.71	32	6500.0	32	52	0.37
9	34.0	714	10589	76.29	21	520.0	485	3277	23.61	33	8100.0	15	20	0.14
10	42.0	729	9875	71.15	22	660.0	425	2792	20.12	34	10000.0	5	5	0.04
11	53.0	662	9146	65.89	23	830.0	314	2367	17.05					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	17.1
P90 =	21.1
P75 =	36.0
P70 =	44.4
P50 =	111.0
P25 =	475.0
P10 =	1480.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1948	25.00 36	28.00 36	35.00 37	37.00 36	70.00 38	102.00 37	107.00 36	117.00 29	170.00 28
1949	19.00 28	20.00 29	21.00 28	22.00 25	23.00 22	27.00 18	30.00 17	44.00 19	101.00 21
1950	24.00 33	28.00 37	28.00 34	30.00 34	32.00 32	54.00 30	94.00 31	97.00 26	151.00 27
1951	34.00 38	36.00 38	39.00 38	41.00 38	52.00 36	67.00 32	94.00 32	111.00 28	214.00 30
1952	16.00 22	18.00 23	18.00 21	20.00 21	25.00 25	32.00 23	33.00 18	35.00 14	85.00 18
1953	18.00 25	19.00 26	20.00 23	25.00 28	25.00 26	29.00 21	37.00 19	37.00 15	53.00 13
1954	12.00 10	13.00 9	14.00 10	15.00 11	15.00 6	17.00 5	18.00 5	19.00 4	23.00 4
1955	13.00 14	14.00 16	16.00 16	17.00 14	29.00 28	61.00 31	102.00 34	184.00 35	241.00 33
1956	9.20 4	10.00 4	11.00 4	11.00 4	13.00 4	27.00 19	47.00 23	50.00 23	61.00 14
1957	14.00 19	16.00 20	20.00 24	22.00 26	23.00 23	25.00 16	27.00 15	38.00 16	74.00 17
1958	12.00 11	13.00 10	15.00 11	17.00 15	21.00 19	82.00 35	101.00 33	172.00 34	396.00 37
1959	24.00 34	25.00 33	26.00 33	27.00 31	30.00 29	93.00 36	103.00 35	286.00 38	418.00 38
1960	13.00 15	14.00 17	16.00 17	17.00 16	19.00 13	22.00 11	29.00 16	48.00 22	101.00 22
1961	5.40 1	6.20 2	6.70 2	8.10 2	10.00 3	13.00 3	14.00 3	15.00 3	17.00 2
1962	19.00 29	19.00 27	20.00 25	25.00 29	37.00 34	38.00 26	61.00 27	72.00 25	103.00 23
1963	11.00 7	12.00 7	13.00 8	13.00 6	17.00 9	23.00 13	23.00 10	24.00 8	27.00 5
1964	6.00 2	6.10 1	6.20 1	6.60 1	7.40 1	10.00 1	11.00 1	12.00 1	16.00 1
1965	7.00 3	7.50 3	7.90 3	8.30 3	9.60 2	12.00 2	13.00 2	14.00 2	20.00 3
1966	14.00 16	14.00 18	17.00 18	17.00 17	18.00 10	19.00 7	21.00 8	22.00 6	30.00 6
1967	12.00 12	13.00 11	13.00 9	14.00 8	15.00 7	18.00 6	19.00 6	20.00 5	51.00 12
1968	11.00 8	12.00 8	12.00 5	13.00 7	14.00 5	16.00 4	17.00 4	24.00 9	40.00 8
1969	14.00 17	14.00 12	15.00 12	18.00 18	21.00 14	27.00 17	50.00 25	126.00 30	215.00 31
1970	16.00 20	17.00 21	17.00 19	19.00 19	22.00 20	34.00 25	92.00 29	127.00 31	233.00 32
1971	14.00 18	14.00 13	15.00 13	15.00 9	18.00 11	21.00 8	23.00 9	26.00 10	41.00 9
1972	19.00 30	22.00 31	25.00 31	28.00 32	30.00 30	52.00 29	94.00 30	106.00 27	137.00 26
1973	18.00 26	19.00 28	24.00 30	25.00 30	35.00 33	68.00 33	230.00 38	235.00 37	318.00 36
1974	18.00 27	18.00 24	20.00 26	20.00 22	27.00 27	31.00 22	37.00 20	134.00 32	256.00 35
1975	13.00 13	14.00 14	15.00 14	16.00 12	18.00 12	29.00 20	47.00 24	41.00 17	71.00 16
1976	24.00 35	26.00 34	31.00 36	33.00 35	67.00 37	142.00 38	189.00 37	186.00 36	243.00 34
1977	17.00 23	18.00 25	19.00 22	20.00 23	21.00 15	21.00 9	21.00 7	23.00 7	30.00 7
1978	17.00 24	17.00 22	21.00 27	23.00 27	25.00 24	40.00 27	46.00 22	47.00 20	62.00 15
1979	16.00 21	16.00 19	18.00 20	19.00 20	21.00 16	22.00 12	25.00 12	26.00 11	45.00 10
1980	26.00 37	27.00 35	30.00 35	40.00 37	49.00 35	68.00 34	85.00 28	153.00 33	193.00 29
1981	10.00 5	11.00 5	12.00 6	12.00 5	17.00 8	21.00 10	24.00 11	26.00 12	51.00 11
1982	12.00 9	14.00 15	16.00 15	17.00 13	21.00 17	52.00 28	59.00 26	69.00 24	115.00 24
1983	10.00 6	11.00 6	12.00 7	15.00 10	21.00 18	24.00 14	27.00 13	33.00 13	117.00 25
1984	20.00 31	21.00 30	22.00 29	22.00 24	22.00 21	24.00 15	27.00 14	44.00 18	89.00 19
1985	23.00 32	24.00 32	26.00 32	29.00 33	30.00 31	33.00 24	40.00 21	47.00 21	93.00 20

## 04181500 ST. MARYS RIVER AT DECATUR, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1948	5400.00 23	4880.00 23	3570.00 26	2750.00 25	2430.00 12	1770.00 13	1490.00 12	1240.00 12	961.00 15
1949	4000.00 29	3780.00 28	2980.00 30	2810.00 23	2310.00 15	1840.00 12	1500.00 10	1300.00 10	1020.00 13
1950	10600.00 1	9620.00 2	6850.00 4	4970.00 2	4000.00 2	3190.00 1	2560.00 1	2220.00 1	1550.00 1
1951	5620.00 21	5180.00 22	4470.00 18	2780.00 24	1970.00 22	1440.00 22	1460.00 13	1350.00 8	1260.00 5
1952	5740.00 20	5450.00 18	4020.00 22	2900.00 20	2360.00 13	1740.00 14	1630.00 8	1500.00 7	1160.00 8
1953	3220.00 35	3010.00 35	2220.00 36	1730.00 34	1330.00 35	860.00 36	794.00 32	657.00 34	530.00 34
1954	1510.00 38	1080.00 38	990.00 37	741.00 37	590.00 37	404.00 37	335.00 37	296.00 37	285.00 37
1955	6960.00 13	5930.00 15	4170.00 21	2860.00 22	2010.00 21	1280.00 28	1180.00 24	1010.00 22	824.00 21
1956	3580.00 31	3090.00 34	2230.00 35	1980.00 31	1770.00 27	1320.00 27	965.00 29	808.00 30	646.00 29
1957	7540.00 11	7330.00 10	6400.00 6	4430.00 4	3440.00 4	2260.00 4	1750.00 4	1540.00 5	1210.00 6
1958	6030.00 17	5360.00 19	4580.00 17	3280.00 15	1960.00 23	1590.00 18	1300.00 18	1070.00 21	857.00 19
1959	10100.00 4	8680.00 6	6530.00 5	3780.00 10	3300.00 5	2230.00 5	1660.00 7	1640.00 3	1270.00 4
1960	4080.00 28	3550.00 30	2550.00 33	1680.00 35	1350.00 33	987.00 34	824.00 31	787.00 31	606.00 32
1961	7650.00 10	7600.00 8	5740.00 9	4340.00 6	2740.00 9	2200.00 6	1690.00 5	1300.00 9	902.00 17
1962	4300.00 26	4130.00 25	3450.00 27	2320.00 28	1850.00 26	1530.00 20	1280.00 19	987.00 24	688.00 27
1963	6170.00 16	5540.00 17	4590.00 16	3010.00 19	1960.00 24	1140.00 30	793.00 33	640.00 35	440.00 35
1964	6310.00 15	6220.00 14	5030.00 14	3220.00 16	2780.00 8	2120.00 7	1500.00 11	1150.00 19	769.00 24
1965	3490.00 34	3430.00 31	3150.00 28	2240.00 29	1460.00 32	1360.00 25	1120.00 25	886.00 29	615.00 31
1966	1610.00 37	1200.00 37	954.00 38	626.00 38	520.00 38	301.00 38	277.00 38	295.00 38	247.00 38
1967	5850.00 18	5590.00 16	4800.00 15	3040.00 18	2070.00 19	1360.00 26	1200.00 22	1170.00 18	1030.00 12
1968	5840.00 19	5340.00 21	4390.00 19	2870.00 21	1610.00 29	1370.00 23	1110.00 26	995.00 23	833.00 20
1969	4740.00 24	4520.00 24	3880.00 24	2700.00 27	1890.00 25	1260.00 29	964.00 30	931.00 27	764.00 25
1970	3570.00 32	3190.00 33	2810.00 32	1950.00 32	1330.00 34	1030.00 32	1110.00 27	979.00 25	782.00 23
1971	3540.00 33	3250.00 32	3000.00 29	2130.00 30	1520.00 30	976.00 35	736.00 36	703.00 32	532.00 33
1972	7280.00 12	6610.00 12	5200.00 12	4240.00 9	2900.00 7	1900.00 8	1400.00 15	1180.00 16	1040.00 11
1973	4200.00 27	4100.00 26	3940.00 23	3330.00 14	2310.00 16	1690.00 16	1330.00 17	1190.00 15	1280.00 3
1974	9660.00 6	8850.00 5	6240.00 7	4320.00 7	2360.00 14	1850.00 10	1690.00 6	1500.00 6	1120.00 9
1975	5540.00 22	5350.00 20	4320.00 20	2730.00 26	1740.00 28	1370.00 24	1250.00 20	1170.00 17	909.00 16
1976	7990.00 8	7410.00 9	5730.00 10	4390.00 5	3040.00 6	1860.00 9	1460.00 14	1200.00 14	857.00 18
1977	3180.00 36	2770.00 36	2280.00 34	1630.00 36	1290.00 36	1000.00 33	786.00 34	603.00 36	413.00 36
1978	10000.00 5	9700.00 1	8610.00 1	6210.00 1	4210.00 1	2470.00 3	1760.00 3	1560.00 4	1210.00 7
1979	7830.00 9	7090.00 11	5420.00 11	3490.00 11	2060.00 20	1540.00 19	1090.00 28	915.00 28	683.00 28
1980	8630.00 7	8110.00 7	6230.00 8	3200.00 17	2240.00 17	1520.00 21	1390.00 16	1230.00 13	982.00 14
1981	6830.00 14	6450.00 13	5080.00 13	3360.00 13	2080.00 18	1610.00 17	1240.00 21	959.00 26	757.00 26
1982	10200.00 2	9210.00 4	7080.00 3	4720.00 3	3980.00 3	2610.00 2	2010.00 2	1750.00 2	1310.00 2
1983	3630.00 30	3570.00 29	2900.00 31	1790.00 33	1520.00 31	1080.00 31	780.00 35	668.00 33	639.00 30
1984	4430.00 25	4080.00 27	3870.00 25	3460.00 12	2470.00 11	1840.00 11	1540.00 9	1290.00 11	1080.00 10
1985	10100.00 3	9440.00 3	7270.00 2	4300.00 8	2520.00 10	1740.00 15	1190.00 23	1120.00 20	803.00 22

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1948	737.00 33
1949	657.00 30
1950	826.00 35
1951	729.00 32
1952	636.00 29
1953	374.00 12
1954	110.00 1
1955	534.00 23
1956	358.00 10
1957	231.00 6
1958	799.00 34
1959	877.00 37
1960	477.00 19
1961	269.00 7
1962	624.00 28
1963	208.00 4
1964	187.00 2
1965	446.00 15
1966	216.00 5
1967	447.00 16
1968	489.00 20
1969	456.00 17
1970	463.00 18

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1948	531.00 17
1949	619.00 10
1950	832.00 1
1951	747.00 3
1952	607.00 12
1953	287.00 34
1954	164.00 37
1955	466.00 21
1956	410.00 25
1957	643.00 7
1958	671.00 6
1959	690.00 4
1960	361.00 30
1961	467.00 20
1962	367.00 29
1963	233.00 35
1964	392.00 27
1965	318.00 32
1966	140.00 38
1967	542.00 16
1968	515.00 18
1969	463.00 22
1970	460.00 23

## STREAMS TRIBUTARY TO LAKE ERIE

04181500 ST. MARYS RIVER AT DECATUR, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	361.00	11
1972	385.00	13
1973	945.00	38
1974	697.00	31
1975	530.00	21
1976	595.00	27
1977	195.00	3
1978	553.00	24
1979	390.00	14
1980	530.00	22
1981	321.00	9
1982	856.00	36
1983	317.00	8
1984	594.00	26
1985	553.00	25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	300.00	33
1972	629.00	9
1973	828.00	2
1974	594.00	14
1975	552.00	15
1976	484.00	19
1977	229.00	36
1978	635.00	8
1979	390.00	28
1980	603.00	13
1981	402.00	26
1982	686.00	5
1983	353.00	31
1984	616.00	11
1985	449.00	24

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1947	*	*	*	*	*	*	1352.0	1491.0	1495.0	317.00	113.00	137.00
1948	87.20	148.00	218.00	865.00	924.00	1713.0	1427.0	627.00	173.00	149.00	32.70	24.60
1949	34.50	367.00	840.00	2236.0	1342.0	673.00	474.00	571.00	423.00	286.00	126.00	84.20
1950	192.00	36.60	206.00	3834.0	2546.0	1222.0	1167.0	364.00	164.00	78.60	70.60	213.00
1951	640.00	800.00	1480.0	1194.0	1663.0	983.00	980.00	806.00	324.00	74.50	33.10	42.40
1952	26.80	95.40	603.00	2098.0	1045.0	1495.0	1228.0	447.00	91.30	65.50	28.80	59.80
1953	25.10	56.50	251.00	642.00	453.00	1149.0	300.00	379.00	73.80	48.80	35.20	20.70
1954	15.50	18.10	23.30	53.10	103.00	245.00	516.00	179.00	192.00	29.60	551.00	37.00
1955	866.00	260.00	399.00	915.00	554.00	1872.0	435.00	59.70	50.60	94.50	42.70	14.20
1956	107.00	881.00	98.60	70.00	1329.0	1175.0	374.00	258.00	353.00	219.00	69.10	48.90
1957	23.50	27.20	102.00	402.00	559.00	361.00	3409.0	1074.0	580.00	1055.0	39.20	133.00
1958	276.00	301.00	1667.0	364.00	252.00	427.00	406.00	325.00	1870.0	1110.0	848.00	165.00
1959	44.60	745.00	187.00	1456.0	2540.0	977.00	1237.0	975.00	166.00	69.00	24.00	21.50
1960	99.90	241.00	578.00	907.00	967.00	458.00	404.00	248.00	314.00	96.50	24.70	17.10
1961	11.40	14.60	15.60	21.00	204.00	1836.0	2523.0	494.00	126.00	130.00	171.00	67.20
1962	41.30	156.00	49.50	1307.0	866.00	1592.0	104.00	120.00	97.20	33.30	18.20	33.60
1963	17.60	40.20	24.40	36.80	74.90	1862.0	345.00	101.00	169.00	71.20	15.50	12.60
1964	7.52	14.60	12.80	49.50	30.50	1396.0	2742.0	297.00	102.00	38.70	15.70	14.00
1965	11.30	13.70	25.70	150.00	591.00	1405.0	1277.0	248.00	54.80	20.60	18.40	25.90
1966	59.20	24.50	56.00	238.00	360.00	242.00	79.30	492.00	69.20	27.30	16.90	25.30
1967	14.80	177.00	1607.0	284.00	796.00	1760.0	829.00	879.00	64.90	50.80	18.10	15.00
1968	18.70	73.50	1554.0	597.00	1154.0	625.00	433.00	537.00	489.00	193.00	479.00	36.10
1969	21.60	238.00	556.00	1314.0	894.00	309.00	929.00	535.00	380.00	218.00	24.40	174.00
1970	217.00	740.00	200.00	293.00	1168.0	754.00	1281.0	511.00	268.00	122.00	30.40	22.40
1971	23.90	34.80	78.40	62.70	1280.0	713.00	101.00	620.00	401.00	159.00	32.30	169.00
1972	172.00	46.90	1118.0	751.00	118.00	888.00	2882.0	425.00	162.00	567.00	40.60	376.00
1973	334.00	1985.0	1353.0	633.00	480.00	2106.0	1120.0	276.00	642.00	495.00	462.00	32.20
1974	32.30	264.00	823.00	2282.0	911.00	1020.0	1104.0	410.00	130.00	29.70	30.60	93.30
1975	17.90	131.00	887.00	1027.0	1711.0	886.00	548.00	389.00	534.00	104.00	201.00	276.00
1976	245.00	129.00	639.00	702.00	2506.0	965.00	132.00	121.00	306.00	59.30	55.20	32.80
1977	30.50	25.20	21.00	21.20	299.00	1238.0	593.00	246.00	41.80	51.80	55.90	122.00
1978	50.50	55.00	1851.0	138.00	75.10	3263.0	1548.0	332.00	72.80	91.70	32.80	25.70
1979	21.40	33.80	156.00	207.00	271.00	1877.0	969.00	367.00	156.00	191.00	316.00	97.40
1980	54.60	685.00	1023.0	295.00	295.00	1891.0	898.00	181.00	1658.0	64.90	168.00	28.30
1981	17.60	25.90	38.70	34.10	690.00	125.00	462.00	1118.0	2075.0	143.00	41.50	117.00
1982	57.50	73.20	269.00	1065.0	1820.0	3099.0	845.00	369.00	537.00	105.00	33.00	26.50
1983	21.60	174.00	887.00	224.00	356.00	238.00	1175.0	881.00	127.00	99.60	26.60	23.30
1984	80.40	628.00	1207.0	89.40	925.00	1869.0	1745.0	520.00	184.00	83.20	51.30	31.50
1986	35.80	195.00	456.00	619.00	1792.0	1047.0	802.00	144.00	308.00	40.40	37.30	30.20



04181500 ST. MARYS RIVER AT DECATUR, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
20.69	34.50	72.80	126.00	298.00	661.00
FIFTIETH PERCENTILE					
35.10	130.00	334.00	500.00	831.00	1098.00
SEVENTY FIFTH PERCENTILE					
102.00	273.00	921.00	1037.00	1292.00	1779.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
433.00	248.00	102.00	51.80	26.60	24.60
FIFTIETH PERCENTILE					
898.00	389.00	184.00	94.50	37.30	33.60
SEVENTY FIFTH PERCENTILE					
1277.00	571.00	423.00	191.00	113.00	117.00

## 04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 40°59'16", long 85°06'03", in A. LaFontaine Reserve, T.29 N., R.12 E., Allen County, Hydrologic Unit 04100004, on left bank 130 ft downstream from Anthony Boulevard Extension, 0.8 mi downstream from Houk ditch, 5 mi south of Fort Wayne, and 10.8 mi upstream from mouth.

DRAINAGE AREA.--762 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1930 to September 1985. Monthly discharge only for some periods, published in WSP 1307. Fragmentary gage-height records for period November 1924 to October 1927 are available from the District Office.

GAGE.--Water-stage recorder. Datum of gage is 748.97 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Apr. 13, 1939, nonrecording gage on upstream highway bridge at same datum.

REMARKS.--The flow is sometimes regulated by Grand Lake. Slight diversion from or into Wabash River basin and into Miami and Erie Canal. During extreme floods, some water bypasses gage and flows through Houk ditch and Paul Trier ditch into the Maumee River.

AVERAGE DISCHARGE.--55 years, 579 ft<sup>3</sup>/s, 10.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft<sup>3</sup>/s Feb. 11, 1959; maximum gage height, 19.66 ft, Mar. 14, 1982; minimum daily discharge, 3.4 ft<sup>3</sup>/s Oct. 19, 1934.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1932					1	18	11	16	16	22	24	20	14	18	23	17	26	12	18	16	17	18	17	8	9	7	7	6		5						
1933						1	10	25	22	16	7	15	15	10	13	25	28	29	16	14	19	7	14	11	15	12	7	10	13	8	3					
1935		3	2	7	3	16	9	33	32	20	14	12	14	13	27	14	12	25	25	18	10	11	6	8	6	9	7	1	1	4	3					
1936					13	29	39	32	43	19	27	13	19	22	18	10	8	7	5	16	16	3	4	1	1	2	1	6	6	2	2	1	1			
1937						7	2	28	29	15	19	15	10	10	24	31	20	15	16	31	12	21	19	13	9	6	6	2	3	2						
1938					5		10	1	20	5	39	36	27	12	23	33	25	15	19	12	8	11	10	13	4	8	13	3	6	7						
1939					3	13	38	16	21	21	23	24	20	21	17	16	12	16	14	13	14	13	9	5	8	7	7	7	2		2	3				
1940					2	14	32	22	24	33	40	26	6	5	15	18	11	11	21	24	16	7	9	7	6	2	3	6	4	2						
1941						3	20	34	37	31	23	25	36	45	23	19	13	12	10	10	6	5	2	2	1	2	5	1								
1942					2	13	19	26	36	30	29	25	19	16	22	17	18	15	11	17	7	2	6	6	5	7	8	7	2							
1943						18	13	8	11	12	7	13	16	26	28	26	18	19	26	26	21	14	13	12	8	10	9	2	4	1	3	1				
1944		1	7	11	8	18	23	35	46	39	21	8	10	9	10	6	4	12	12	9	8	16	13	11	10	4	7	1	1	3	3					
1945		1	3	7	8	25	46	49	15	10	22	15	12	11	8	8	12	16	10	6	11	7	10	15	4	15	8	9	2							
1946					4	19	7	11	9	42	17	22	23	17	27	25	16	18	16	16	20	17	18	8	9	4										
1947				6	5	7	21	14	10	5	5	16	23	25	22	16	21	12	21	12	10	16	15	21	22	11	5	8	11	3	2					
1948					1	16	14	29	14	15	26	20	24	26	26	20	19	15	11	13	7	7	14	13	13	7	12	1	3							
1949					1	7	23	12	4	19	22	25	29	16	17	19	28	22	24	14	14	12	18	13	13	9	4									
1950					1	5	30	44	15	23	17	19	20	21	12	13	12	14	12	9	10	20	10	13	9	8	8	16	1	2	1					
1951						16	14	16	11	10	16	20	11	23	5	14	22	12	20	24	17	14	24	26	13	15	9	9	4							
1952					8	36	23	19	16	23	17	11	12	15	14	16	12	14	14	16	12	10	13	14	15	9	17	7	3							
1953					11	35	42	28	17	12	21	13	14	25	19	13	15	21	8	8	12	15	8	4	2	3										
1954					5	51	58	35	23	15	18	14	15	20	18	10	12	10	6	9	12	14	11	8	1											
1955				2	17	11	18	10	17	25	16	16	23	30	19	19	12	15	12	10	8	10	13	15	15	11	9	8	1	1	2					
1956					1	11	24	12	44	24	27	19	24	23	23	11	15	21	10	14	11	14	13	14	7	4										
1957				2	1	5	15	61	15	11	9	17	13	17	25	20	19	12	13	10	5	13	16	16	7	13	10	8	5	3	4					
1958											2	13	22	26	23	17	29	35	18	19	22	39	17	17	13	13	13	8	10	6	3					
1959					6	10	20	14	38	18	22	11	6	5	18	10	12	16	18	25	16	18	15	15	13	11	5	7	5	3	4	3	1			
1960				1	13	12	20	18	12	19	7	20	33	29	22	25	18	13	14	13	14	12	13	11	6	7	9	4	1							
1961					14	59	36	29	19	17	21	13	7	13	11	15	15	16	7	3	7	6	11	10	6	4	11	9	2	2	2					
1962					3	12	14	21	12	34	27	46	38	15	8	14	14	17	6	9	6	7	3	14	9	7	11	7	6	3	2					
1963					18	14	31	34	67	27	18	14	18	21	17	12	10	7	8	12	7	3	5	4	4	6	1	2	1	4						
1964				8	15	10	23	73	33	18	24	16	15	15	8	11	12	6	8	5	5	6	8	6	3	5	5	7	4	9	4	4				
1965				9	5	26	35	66	31	20	9	17	19	11	6	10	7	12	7	8	3	7	7	11	9	9	8	7	6							
1966					13	23	37	50	30	18	34	18	16	15	16	13	20	12	12	12	9	7	6	2	2											
1967					13	44	41	8	8	12	10	23	17	9	10	19	15	8	14	14	14	10	8	16	13	8	14	9	2	4	2					
1968					10	10	4	16	20	16	30	29	38	22	17	18	8	8	11	14	16	17	14	14	11	10	6	3	4							
1969					6	25	40	13	5	7	5	6	22	33	27	25	23	22	21	18	14	8	14	6	6	7	7	3	2							
1970					5	15	22	5	11	35	27	21	16	25	25	17	15	17	15	12	16	13	17	9	9	7	9	2								
1971					4	27	34	23	20	27	27	23	31	26	17	14	7	13	13	8	10	14	10	5	4	4	4									
1972					1	8	14	29	28	13	30	19	21	16	16	17	15	24	19	18	10	19	14	12	5	10	4	2	2							
1973						4	19	4	9	7	11	10	11	25	37	24	15	13	20	21	30	27	26	18	12	12	10									
1974						20	48	31	12	14	10	20	24	15	19	18	13	14	10	8	13	8	12	9	13	7	16	6	2	3						
1975					13	18	4	5	5	10	8	28	24	24	20	20	21	22	26	21	19	17	19	17	11	6	2	2	3							
1976						18	10	10	34	36	35	23	14	14	15	24	23	16	22	16	10	10	6	7	3	2	4	6	5	3						
1977					2	11	95	26	40	30	21	13	14	11	10	8	11	8	10	7	3	4	13	7	6	8	4	3								
1978					3	11	13	39	25	35	19	62	15	19	14	15	8	5	10	8	9	2	7	3	9	4	8	8	5	4	5					
1979						19	18	24	21	17	33	37	23	26	20	17	18	17	9	11	10	10	9	8	4	5	2	2	1	4						
1980						10	17	21	40	42	31	19	26	22	12	7	13	9	12	10	12	4	10	11	16	11	6	2	3							

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

[illegible]

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	19359	100.00	12	52.0	1097	13661	70.57	24	1000.0	587	3213	16.60
1	3.4	3	19359	100.00	13	67.0	1062	12564	64.90	25	1300.0	635	2626	13.56
2	4.4	2	19356	99.98	14	86.0	1061	11502	59.41	26	1700.0	492	1991	10.28
3	5.6	17	19354	99.97	15	110.0	937	10441	53.93	27	2200.0	439	1499	7.74
4	7.2	57	19337	99.89	16	140.0	995	9504	49.09	28	2800.0	358	1060	5.48
5	9.2	132	19280	99.59	17	180.0	908	8509	43.95	29	3600.0	350	702	3.63
6	12.0	282	19148	98.91	18	230.0	919	7601	39.26	30	4600.0	167	352	1.82
7	15.0	713	18866	97.45	19	300.0	775	6682	34.52	31	5800.0	114	185	0.96
8	19.0	1154	18153	93.77	20	380.0	729	5907	30.51	32	7500.0	47	71	0.37
9	25.0	1126	16999	87.81	21	490.0	705	5178	26.75	33	9600.0	19	24	0.12
10	32.0	1224	15873	81.99	22	630.0	673	4473	23.11	34	12000.0	5	5	0.03
11	41.0	988	14649	75.67	23	800.0	587	3800	19.63					

P95 =	17.7
P90 =	22.8
P75 =	42.4
P70 =	53.5
P50 =	134.0
P25 =	557.0
P10 =	1760.0

YEAR	1	3	7	14	30	60	90	120	183
1932	16.00 28	17.00 29	19.00 31	21.00 31	33.00 41	37.00 34	45.00 31	48.00 27	56.00 15
1933	9.00 7	9.30 7	10.00 7	11.00 7	13.00 6	25.00 18	35.00 25	62.00 31	95.00 29
1935	3.40 1	3.80 1	4.90 1	6.60 1	11.00 2	22.00 16	28.00 15	32.00 16	36.00 8
1936	9.40 8	10.00 8	11.00 8	12.00 8	13.00 7	15.00 4	21.00 8	27.00 12	51.00 13
1937	7.60 5	7.90 4	8.40 5	9.20 4	11.00 3	13.00 3	13.00 2	16.00 3	49.00 12
1938	22.00 42	22.00 41	26.00 43	34.00 48	44.00 48	81.00 48	121.00 47	143.00 43	292.00 47
1939	11.00 12	11.00 9	12.00 9	13.00 9	15.00 8	16.00 5	28.00 16	40.00 22	58.00 16
1940	11.00 13	11.00 10	12.00 10	14.00 13	16.00 13	21.00 13	37.00 26	39.00 19	67.00 20
1941	18.00 38	18.00 36	19.00 32	20.00 28	22.00 21	25.00 19	28.00 17	31.00 14	60.00 17
1942	12.00 19	12.00 15	13.00 14	15.00 15	20.00 19	21.00 14	34.00 24	39.00 20	47.00 10
1943	17.00 35	17.00 30	18.00 26	20.00 29	23.00 22	37.00 35	74.00 39	92.00 37	121.00 33
1944	23.00 43	23.00 42	24.00 42	25.00 38	27.00 34	32.00 29	38.00 28	64.00 32	86.00 27
1945	6.70 3	7.60 3	8.00 3	9.60 5	12.00 4	17.00 7	21.00 9	24.00 7	28.00 5
1946	17.00 36	18.00 31	21.00 35	23.00 34	25.00 31	44.00 39	110.00 45	163.00 46	222.00 42
1947	7.40 4	8.90 6	9.60 6	10.00 6	15.00 9	19.00 10	21.00 10	26.00 9	75.00 23
1948	28.00 48	32.00 51	38.00 52	40.00 51	76.00 52	113.00 52	123.00 49	134.00 40	200.00 40
1949	18.00 37	19.00 37	21.00 36	24.00 35	25.00 32	29.00 27	33.00 23	50.00 28	115.00 31
1950	32.00 52	32.00 52	34.00 51	37.00 50	41.00 46	73.00 45	150.00 51	148.00 45	211.00 41
1951	24.00 46	26.00 47	31.00 48	34.00 49	46.00 49	64.00 43	108.00 44	146.00 44	285.00 45
1952	16.00 29	18.00 32	21.00 37	22.00 32	30.00 38	34.00 33	37.00 27	41.00 23	133.00 34
1953	15.00 24	16.00 25	20.00 33	25.00 39	28.00 36	33.00 30	40.00 29	40.00 21	63.00 19
1954	13.00 20	14.00 20	14.00 16	15.00 16	16.00 14	17.00 8	19.00 5	20.00 5	27.00 4
1955	15.00 25	16.00 26	17.00 25	19.00 23	36.00 42	76.00 46	136.00 50	223.00 50	304.00 49
1956	10.00 9	11.00 11	12.00 11	13.00 10	15.00 10	33.00 31	62.00 37	77.00 35	84.00 25
1957	16.00 30	19.00 38	23.00 39	25.00 40	27.00 35	28.00 23	30.00 19	41.00 24	89.00 28
1958	11.00 14	12.00 16	15.00 20	19.00 24	24.00 25	95.00 50	121.00 46	208.00 49	479.00 52
1959	30.00 50	30.00 48	32.00 49	33.00 46	36.00 43	105.00 51	122.00 48	345.00 53	523.00 53
1960	12.00 15	12.00 17	14.00 17	16.00 17	23.00 23	26.00 20	48.00 32	70.00 34	152.00 38
1961	10.00 10	11.00 12	13.00 15	14.00 14	15.00 11	16.00 6	17.00 4	17.00 4	20.00 2
1962	21.00 39	21.00 39	22.00 38	33.00 47	47.00 50	48.00 40	73.00 38	106.00 38	138.00 35
1963	11.00 11	11.00 13	12.00 12	13.00 11	18.00 16	24.00 17	26.00 13	27.00 10	31.00 7
1964	6.60 2	6.70 2							

## 04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1966	14.00 21	14.00 21	16.00 21	17.00 19	19.00 17	21.00 15	23.00 12	27.00 11	39.00 9
1967	12.00 16	12.00 14	13.00 13	14.00 12	16.00 12	20.00 11	21.00 11	24.00 8	74.00 22
1968	14.00 22	14.00 22	15.00 18	16.00 18	17.00 15	18.00 9	20.00 6	29.00 13	49.00 11
1969	17.00 31	17.00 27	19.00 27	21.00 30	24.00 26	32.00 28	58.00 35	142.00 41	262.00 44
1970	17.00 32	18.00 33	19.00 28	20.00 25	25.00 27	42.00 38	100.00 43	143.00 42	288.00 46
1971	17.00 33	18.00 34	19.00 29	20.00 26	23.00 24	26.00 21	28.00 14	35.00 17	61.00 18
1972	21.00 40	23.00 43	24.00 40	27.00 41	31.00 39	56.00 41	99.00 42	119.00 39	154.00 39
1973	23.00 44	25.00 44	28.00 45	30.00 43	42.00 47	81.00 49	273.00 53	278.00 52	388.00 51
1974	26.00 47	26.00 45	27.00 44	28.00 42	33.00 40	38.00 36	43.00 30	171.00 47	309.00 50
1975	15.00 26	15.00 23	17.00 22	18.00 20	20.00 20	33.00 32	51.00 34	45.00 26	82.00 24
1976	34.00 53	37.00 53	45.00 53	52.00 53	85.00 53	165.00 53	233.00 52	226.00 51	298.00 48
1977	12.00 17	13.00 18	17.00 23	19.00 21	19.00 18	21.00 12	21.00 7	22.00 6	29.00 6
1978	24.00 45	26.00 46	30.00 46	33.00 44	38.00 45	56.00 42	61.00 36	65.00 33	85.00 26
1979	17.00 34	18.00 35	19.00 30	22.00 33	26.00 33	27.00 22	29.00 18	32.00 15	56.00 14
1980	31.00 51	31.00 50	34.00 50	45.00 52	55.00 51	78.00 47	97.00 41	176.00 48	228.00 43
1981	14.00 23	15.00 24	17.00 24	20.00 27	25.00 28	29.00 24	31.00 20	38.00 18	71.00 21
1982	16.00 27	17.00 28	20.00 34	24.00 36	30.00 37	70.00 44	80.00 40	90.00 36	147.00 37
1983	12.00 18	14.00 19	15.00 19	19.00 22	25.00 29	29.00 25	33.00 21	42.00 25	142.00 36
1984	21.00 41	22.00 40	24.00 41	24.00 37	25.00 30	29.00 26	33.00 22	54.00 29	105.00 30
1985	29.00 49	30.00 49	31.00 47	33.00 45	36.00 44	41.00 37	49.00 33	59.00 30	116.00 32

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1932	4440.00 45	4390.00 43	3790.00 43	2860.00 39	1990.00 39	1310.00 45	1030.00 44	843.00 45	646.00 45
1933	6530.00 26	6200.00 27	5470.00 25	3970.00 23	2390.00 32	2110.00 22	1680.00 21	1350.00 25	1370.00 12
1935	4830.00 41	4650.00 39	4520.00 36	3000.00 36	1610.00 49	1130.00 49	993.00 47	821.00 47	607.00 47
1936	7500.00 19	6330.00 24	4960.00 32	2930.00 37	1780.00 45	1340.00 44	1010.00 45	785.00 49	538.00 49
1937	9100.00 8	8500.00 11	6980.00 13	5310.00 9	3430.00 11	2220.00 18	1680.00 22	1590.00 14	1230.00 17
1938	7400.00 22	7070.00 21	5510.00 24	4700.00 13	3850.00 7	2720.00 5	1930.00 10	1700.00 9	1200.00 19
1939	8110.00 15	7800.00 14	6300.00 15	3860.00 24	2770.00 21	1800.00 31	1560.00 28	1200.00 34	880.00 34
1940	4800.00 42	4630.00 40	3910.00 41	2740.00 41	1720.00 47	1370.00 42	1070.00 43	889.00 42	672.00 44
1941	2970.00 51	2750.00 51	2140.00 51	1680.00 51	974.00 51	528.00 51	438.00 52	351.00 53	293.00 53
1942	5070.00 36	4820.00 37	4160.00 37	2630.00 44	1820.00 44	1600.00 38	1350.00 37	1070.00 39	758.00 40
1943	13000.00 1	12200.00 1	9610.00 3	7060.00 2	4060.00 6	2360.00 10	2080.00 8	1700.00 10	1410.00 11
1944	8790.00 12	8560.00 9	7180.00 10	4570.00 14	2760.00 22	2140.00 21	1700.00 20	1400.00 24	935.00 32
1945	4920.00 38	4670.00 38	4130.00 38	2570.00 45	2130.00 37	1860.00 30	1420.00 34	1280.00 32	1020.00 29
1946	3400.00 50	3330.00 50	2630.00 50	2060.00 49	1370.00 50	972.00 50	986.00 48	788.00 48	702.00 43
1947	7050.00 24	6090.00 28	5140.00 29	3670.00 29	2520.00 29	2250.00 17	1860.00 14	1480.00 20	1220.00 18
1948	6470.00 27	6030.00 30	4640.00 35	3510.00 33	2910.00 19	2160.00 20	1840.00 15	1530.00 16	1190.00 20
1949	4920.00 39	4550.00 41	3780.00 44	3590.00 30	2960.00 17	2360.00 11	1910.00 11	1640.00 12	1280.00 15
1950	12100.00 4	11600.00 3	8730.00 5	6290.00 3	5110.00 2	4080.00 1	3300.00 1	2890.00 1	2030.00 1
1951	6470.00 28	6070.00 29	5650.00 22	3520.00 32	2570.00 27	1890.00 28	1890.00 12	1770.00 8	1650.00 2
1952	6470.00 29	6230.00 26	5110.00 30	3740.00 26	3160.00 13	2380.00 9	2180.00 4	1990.00 4	1580.00 6
1953	4350.00 47	4210.00 45	3180.00 47	2460.00 46	1860.00 42	1200.00 48	1090.00 41	898.00 41	708.00 42
1954	1860.00 53	1460.00 53	1130.00 53	921.00 52	751.00 52	521.00 52	442.00 51	394.00 51	365.00 51
1955	7790.00 17	7190.00 19	5620.00 23	3980.00 22	2720.00 23	1720.00 34	1570.00 27	1340.00 26	1110.00 23
1956	4410.00 46	4110.00 47	3090.00 49	2660.00 42	2450.00 30	1740.00 32	1280.00 38	1080.00 38	852.00 37
1957	8830.00 11	8520.00 10	7640.00 7	5340.00 8	4150.00 5	2710.00 6	2100.00 7	1850.00 7	1450.00 9
1958	6870.00 25	6490.00 23	5670.00 21	4070.00 19	2420.00 31	1920.00 27	1590.00 26	1300.00 29	1050.00 26
1959	12200.00 3	10500.00 5	8630.00 6	5020.00 11	4280.00 4	2820.00 4	2130.00 6	2090.00 3	1610.00 5
1960	4870.00 40	4280.00 44	3150.00 48	2060.00 50	1710.00 48	1290.00 46	1070.00 42	1030.00 40	777.00 39
1961	7970.00 16	7500.00 17	6090.00 18	4790.00 12	3080.00 14	2450.00 7	1890.00 13	1460.00 21	1030.00 27
1962	5970.00 33	5750.00 33	4860.00 33	3280.00 35	2370.00 33	2050.00 23	1720.00 19	1330.00 28	931.00 33
1963	7380.00 23	7090.00 20	5920.00 20	3720.00 27	2370.00 34	1370.00 43	952.00 49	766.00 50	524.00 50
1964	6450.00 30	6250.00 25	5430.00 26	3550.00 31	3040.00 15	2340.00 12	1670.00 23	1290.00 30	870.00 36
1965	4230.00 48	4150.00 46	3870.00 42	2770.00 40	1830.00 43	1690.00 37	1390.00 36	1090.00 37	756.00 41
1966	2050.00 52	1600.00 52	1190.00 52	764.00 53	598.00 53	380.00 53	345.00 53	351.00 52	302.00 52
1967	7740.00 18	7510.00 16	6710.00 14	4340.00 17	2590.00 25	1740.00 33	1530.00 31	1570.00 15	1360.00 13
1968	7490.00 20	7030.00 22	6000.00 19	4040.00 21	2290.00 35	1880.00 29	1510.00 32	1340.00 27	1130.00 21
1969	6260.00 31	5910.00 32	5200.00 28	3710.00 28	2580.00 26	1700.00 35	1270.00 39	1220.00 33	991.00 30
1970	4760.00 43	4540.00 42	4080.00 39	2880.00 38	1900.00 40	1400.00 40	1480.00 33	1290.00 31	1030.00 28
1971	4050.00 49	3940.00 49	3710.00 45	2640.00 43	1880.00 41	1200.00 47	909.00 50	856.00 43	641.00 46
1972	8120.00 14	7630.00 15	6130.00 17	5120.00 10	3490.00 9	2270.00 16	1670.00 24	1410.00 23	1250.00 16
1973	5110.00 35	5020.00 35	4820.00 34	4050.00 20	2840.00 20	2210.00 19	1740.00 18	1510.00 17	1630.00 4
1974	9570.00 7	9120.00 7	7340.00 8	5380.00 7	2950.00 18	2390.00 8	2170.00 5	1960.00 5	1500.00 8
1975	6010.00 32	5960.00 31	5280.00 27	3350.00 34	2130.00 36	1700.00 36	1550.00 29	1430.00 22	1120.00 22

## 04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1976	8760.00	13	8220.00	13	7050.00	12	5740.00	6	3790.00	8	2300.00	15	1820.00	16	1500.00	19	1070.00	24
1977	4500.00	44	4050.00	48	3250.00	46	2210.00	48	1740.00	46	1380.00	41	1090.00	40	835.00	46	573.00	48
1978	10900.00	5	10800.00	4	9900.00	2	7620.00	1	5320.00	1	3150.00	3	2240.00	3	1960.00	6	1540.00	7
1979	8940.00	9	8470.00	12	7070.00	11	4530.00	16	2680.00	24	2020.00	25	1410.00	35	1180.00	36	873.00	35
1980	8900.00	10	8560.00	8	7260.00	9	3820.00	25	3040.00	16	2050.00	24	1800.00	17	1600.00	13	1290.00	14
1981	7430.00	21	7260.00	18	6230.00	16	4090.00	18	2550.00	28	1970.00	26	1540.00	30	1190.00	35	947.00	31
1982	10500.00	6	10300.00	6	9050.00	4	6230.00	4	5020.00	3	3250.00	2	2530.00	2	2210.00	2	1640.00	3
1983	5000.00	37	4890.00	36	3930.00	40	2360.00	47	2010.00	38	1410.00	39	1010.00	46	853.00	44	818.00	38
1984	5620.00	34	5360.00	34	5030.00	31	4540.00	15	3170.00	12	2320.00	14	2000.00	9	1680.00	11	1440.00	10
1985	12300.00	2	12000.00	2	9980.00	1	5960.00	5	3430.00	10	2340.00	13	1610.00	25	1510.00	18	1070.00	25

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1932	349.00	11
1933	514.00	23
1935	229.00	3
1936	409.00	15
1937	497.00	21
1938	714.00	38
1939	579.00	27
1940	298.00	9
1941	273.00	7
1942	368.00	13
1943	467.00	19
1944	773.00	41
1945	540.00	26
1946	621.00	31
1947	350.00	12
1948	902.00	47
1949	802.00	44
1950	1070.00	50
1951	969.00	48
1952	852.00	45
1953	511.00	22
1954	143.00	1
1955	710.00	36
1956	481.00	20
1957	287.00	8
1958	986.00	49
1959	1090.00	52
1960	626.00	32
1961	312.00	10
1962	788.00	42
1963	251.00	5
1964	213.00	2
1965	525.00	25
1966	268.00	6
1967	592.00	29
1968	645.00	33
1969	601.00	30
1970	590.00	28
1971	453.00	17
1972	458.00	18
1973	1180.00	53
1974	884.00	46
1975	674.00	34
1976	742.00	40
1977	243.00	4
1978	713.00	37
1979	520.00	24
1980	684.00	35
1981	410.00	16
1982	1080.00	51
1983	388.00	14
1984	802.00	43
1985	720.00	39

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1932	363.00	45
1933	770.00	15
1935	331.00	47
1936	279.00	49
1937	733.00	17
1938	687.00	20
1939	469.00	37
1940	356.00	46
1941	174.00	53
1942	422.00	41
1943	891.00	4
1944	495.00	34
1945	529.00	31
1946	470.00	36
1947	683.00	21
1948	651.00	23
1949	771.00	13
1950	1090.00	1
1951	990.00	3
1952	827.00	8
1953	379.00	43
1954	210.00	51
1955	635.00	24
1956	543.00	29
1957	770.00	14
1958	838.00	7
1959	889.00	5
1960	466.00	38
1961	534.00	30
1962	492.00	35
1963	277.00	50
1964	443.00	40
1965	391.00	42
1966	174.00	52
1967	718.00	18
1968	691.00	19
1969	584.00	28
1970	595.00	26
1971	365.00	44
1972	759.00	16
1973	1040.00	2
1974	769.00	11
1975	679.00	22
1976	595.00	27
1977	313.00	48
1978	808.00	10
1979	503.00	33
1980	784.00	12
1981	505.00	32
1982	860.00	6
1983	449.00	39
1984	819.00	9
1985	596.00	25

04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1931	*	*	34.00	29.70	64.00	224.00	436.00	59.90	54.20	63.20	33.20	52.10
1932	98.10	103.00	571.00	1930.0	523.00	253.00	337.00	182.00	103.00	184.00	13.90	38.30
1933	76.50	482.00	1691.0	1060.0	257.00	1684.0	997.00	2242.0	45.90	83.60	75.50	465.00
1934	465.00	59.30	174.00	312.00	*	992.00	750.00	64.10	69.10	61.00	60.40	41.30
1935	22.00	45.80	23.00	402.00	286.00	926.00	312.00	1560.0	94.30	171.00	88.30	15.70
1936	15.70	32.20	48.00	135.00	1102.0	1337.0	306.00	317.00	41.10	11.90	13.90	13.30
1937	56.30	222.00	126.00	3322.0	997.00	536.00	1412.0	625.00	424.00	638.00	355.00	83.50
1938	217.00	78.90	996.00	319.00	1190.0	2248.0	2339.0	133.00	347.00	247.00	135.00	43.60
1939	15.00	40.90	59.90	64.90	1312.0	2291.0	1072.0	130.00	313.00	216.00	158.00	22.30
1940	61.90	24.70	46.50	153.00	397.00	997.00	1715.0	199.00	553.00	98.60	33.50	22.10
1941	30.90	37.50	155.00	208.00	168.00	87.00	277.00	64.20	972.00	65.90	22.00	21.10
1942	66.00	54.90	93.20	113.00	1282.0	1464.0	1331.0	219.00	177.00	36.30	230.00	74.80
1943	24.50	371.00	565.00	660.00	700.00	1246.0	298.00	3866.0	528.00	1346.0	832.00	171.00
1944	64.10	147.00	42.00	28.10	371.00	1489.0	2743.0	710.00	289.00	26.40	44.70	11.60
1945	21.40	45.20	25.80	21.90	872.00	1733.0	1357.0	690.00	1218.0	288.00	56.30	74.30
1946	407.00	267.00	465.00	1030.0	651.00	969.00	90.70	484.00	812.00	382.00	55.10	23.70
1947	17.20	27.50	154.00	931.00	575.00	657.00	1567.0	1696.0	1926.0	377.00	137.00	153.00
1948	96.00	167.00	267.00	1069.0	1235.0	2165.0	1610.0	798.00	176.00	188.00	38.60	26.80
1949	36.50	423.00	1048.0	2845.0	1727.0	771.00	554.00	786.00	506.00	332.00	151.00	123.00
1950	330.00	47.10	348.00	4897.0	3259.0	1625.0	1643.0	448.00	190.00	75.30	63.80	335.00
1951	910.00	1135.0	1889.0	1643.0	2093.0	1297.0	1310.0	1032.0	424.00	132.00	38.40	44.60
1952	32.10	150.00	894.00	2756.0	1491.0	1915.0	1636.0	748.00	137.00	69.70	32.60	60.20
1953	28.40	66.40	294.00	840.00	603.00	1618.0	446.00	441.00	84.90	53.60	45.40	22.90
1954	16.10	19.80	28.10	73.90	149.00	341.00	649.00	232.00	269.00	35.50	652.00	49.30
1955	1299.0	335.00	510.00	1179.0	728.00	2532.0	615.00	77.90	60.90	164.00	63.30	15.80
1956	126.00	1108.0	141.00	116.00	1886.0	1481.0	441.00	390.00	482.00	291.00	85.30	48.60
1957	27.40	31.10	103.00	487.00	653.00	439.00	4119.0	1262.0	723.00	1234.0	53.50	154.00
1958	353.00	384.00	2102.0	564.00	355.00	519.00	494.00	360.00	2321.0	1296.0	1074.0	184.00
1959	51.60	877.00	281.00	1818.0	3404.0	1150.0	1510.0	1302.0	265.00	169.00	28.40	25.60
1960	127.00	325.00	759.00	1220.0	1202.0	599.00	525.00	261.00	472.00	95.20	25.20	17.30
1961	16.00	18.70	17.90	25.90	206.00	2051.0	2755.0	657.00	155.00	208.00	220.00	79.40
1962	50.30	243.00	71.70	1805.0	1209.0	2047.0	151.00	146.00	109.00	39.10	19.80	36.90
1963	21.40	45.60	29.60	43.00	81.60	2256.0	392.00	130.00	187.00	70.30	19.20	12.20
1964	8.28	17.90	16.70	64.30	45.40	1571.0	2979.0	392.00	166.00	48.50	17.70	14.70
1965	12.70	16.90	30.00	178.00	747.00	1751.0	1556.0	286.00	64.70	33.50	19.20	30.70
1966	82.00	33.10	99.70	318.00	439.00	288.00	91.40	575.00	80.60	44.60	21.20	24.60
1967	15.80	304.00	2306.0	340.00	1099.0	2196.0	1084.0	1088.0	80.10	62.50	20.30	17.80
1968	24.40	94.10	2026.0	834.00	1638.0	795.00	609.00	764.00	626.00	261.00	599.00	44.00
1969	25.80	252.00	671.00	1848.0	1156.0	381.00	1147.0	622.00	506.00	253.00	28.90	170.00
1970	258.00	988.00	235.00	391.00	1689.0	918.00	1670.0	637.00	279.00	137.00	40.10	27.70
1971	29.70	61.00	125.00	89.70	1568.0	887.00	125.00	746.00	459.00	167.00	33.40	182.00
1972	199.00	56.20	1406.0	887.00	147.00	1034.0	3477.0	510.00	198.00	669.00	49.30	470.00
1973	435.00	2612.0	1756.0	820.00	618.00	2577.0	1393.0	297.00	801.00	569.00	515.00	37.90
1974	40.50	364.00	1109.0	2913.0	1221.0	1347.0	1435.0	716.00	167.00	36.00	34.60	97.00
1975	20.10	145.00	1089.0	1296.0	2052.0	1101.0	705.00	485.00	652.00	122.00	238.00	353.00
1976	290.00	169.00	861.00	850.00	3271.0	1034.0	163.00	133.00	321.00	72.50	62.80	29.00
1977	26.30	24.50	21.10	21.30	362.00	1678.0	890.00	359.00	50.20	64.90	88.20	175.00
1978	71.70	64.50	2349.0	167.00	94.60	4070.0	2047.0	458.00	98.10	110.00	41.10	28.90
1979	26.70	37.60	185.00	322.00	337.00	2536.0	1216.0	422.00	213.00	221.00	373.00	112.00
1980	64.80	808.00	1406.0	403.00	386.00	2551.0	1227.0	258.00	1970.0	72.00	228.00	35.90
1981	26.70	31.20	57.40	57.50	908.00	154.00	605.00	1375.0	2545.0	179.00	52.40	146.00
1982	76.50	102.00	341.00	1358.0	2234.0	3972.0	1078.0	443.00	600.00	118.00	41.50	33.10
1983	25.50	197.00	1180.0	262.00	417.00	275.00	1529.0	1165.0	155.00	117.00	34.30	26.80
1984	103.00	811.00	1783.0	118.00	1363.0	2427.0	2121.0	708.00	228.00	99.40	61.90	38.10
1985	51.30	255.00	576.00	840.00	2391.0	1428.0	1083.0	170.00	379.00	47.30	45.40	36.40

04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
24.50	40.10	59.90	118.00	369.00	771.00
FIFTIETH PERCENTILE					
50.80	103.00	281.00	403.00	810.00	1337.00
SEVENTY FIFTH PERCENTILE					
109.00	328.00	1048.00	1179.00	1395.00	2047.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
446.00	232.00	109.00	63.20	33.20	24.60
FIFTIETH PERCENTILE					
1083.00	458.00	269.00	118.00	52.40	38.30
SEVENTY FIFTH PERCENTILE					
1567.00	748.00	528.00	247.00	137.00	112.00

## STREAMS TRIBUTARY TO LAKE ERIE

04182590 HARBER DITCH AT FORT WAYNE, IN

LOCATION.--Lat 41°00'27", long 85°10'58", in NE¼SW¼ sec.33, T.30 N., R.12 E., Allen County, Hydrologic Unit 04100004, on left bank 50 ft upstream from bridge on Baer Road in Fort Wayne, 3.2 mi upstream from mouth. The stream name changes to Fairfield ditch 0.7 mi downstream at bridge on Lower Huntington Road.

DRAINAGE AREA.--21.9 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1964 to September 1985. Discharge measurements available October 1960 to May 1964 and gage heights January 1961 to May 1964 at site 0.7 mi downstream.

GAGE.--Water-stage recorder. Datum of gage is 757.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--21 years, 18.2 ft<sup>3</sup>/s, 11.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 916 ft<sup>3</sup>/s June 13, 1981; maximum gage height, 12.25 ft Mar. 14, 1982; minimum daily discharge, 0.06 ft<sup>3</sup>/s Oct. 27, 1974.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1965		13				20	18	20	31	19	37	15	21	18	19	16	10	18	15	7	10	10	7	7	8	12	3	7	2	1		1			
1966					1	1	3	8	21	56	20	52	31	26	25	15	14	18	18	17	7	9	8	5	2	2	4	2							
1967					4	19	32	21	20	21	4	18	13	17	11	23	19	20	15	13	23	12	7	12	8	5	8	9	3	5	2	1			
1968					1	12	12	16	18	19	30	25	45	32	19	17	16	10	16	15	12	8	12	5	3	9	2	4	4	2	2				
1969					9	30	22	21	15	19	7	15	10	13	27	36	17	24	14	22	13	12	6	7	5	2	8	3	3	2	1	2			
1970			1	3	7	11	8	12	23	18	30	22	23	30	31	26	21	11	18	16	10	9	7	12	5	1	5	3	1						
1971			9	1	3	9	14	16	20	17	10	11	12	24	20	37	19	15	15	20	21	12	22	11	6	8	3	4	3	1		2			
1972					12	6	18	25	23	15	6	10	10	19	23	29	19	28	19	27	14	12	12	7	12	8	6	3	1	1		1			
1973			1	8	11	9	2	5	6	7	1	6	5	9	15	17	33	34	20	47	25	36	31	9	7	4	13		1	2		1			
1974	8	9	7	4	7	24	27	20	8	14	19	4	11	16	22	22	20	15	12	8	15	9	14	8	12	6	8	2	6	5	2			1	
1975	2	5	3	4	6	15	7	17	9	18	9	9	15	13	17	16	27	31	19	32	21	21	13	10	8	4	6	6	1	1					
1976		9	11	9	8	10	12	18	19	20	15	11	7	17	27	15	12	17	16	11	27	24	13	11	7	6	3	2	3	3	3				
1977		16	22	12	19	18	25	14	15	25	20	20	18	27	11	8	8	6	9	10	18	14	4	12	3	3	3	3	1	1					
1978					5	13	14	15	8	9	41	37	20	22	20	25	28	20	10	10	4	8	12	10	5	5	10	5	4	3	1			1	
1979		2	1	4	2	9	26	65	34	35	25	20	15	22	16	12	7	11	14	14	5	9	2	5	3	2	4							1	
1980					2	4	6	9	22	27	13	43	33	23	28	24	19	14	8	15	14	18	10	14	5	6	3	2	2	1				1	
1981					2	4	9	33	28	26	37	23	32	35	20	21	17	10	12	10	8	12	4	5	6	1	4	3	1		2				
1982					1	1	5	11	20	28	33	24	24	41	22	25	12	17	13	18	16	8	8	8	7	1	5	4	1	2	1				1
1983					5	10	7	44	23	10	9	10	16	24	27	26	22	24	21	21	11	10	8	6	14	2	5	7	1		1	1			
1984					7	19	12	22	20	21	19	13	14	30	43	24	17	14	21	13	9	5	7	4	9	8	8	4	1		1	1			1
1985		7	9	14	13	17	23	24	24	22	27	23	31	24	16	13	13	9	7	8	8	9	6	3	5	4	2	1	1				2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	7670	100.00	12	1.4	465	5286	68.92	24	44.0	181	747	9.74
1	0.06	10	7670	100.00	13	1.9	390	4821	62.86	25	59.0	150	566	7.38
2	0.08	61	7660	99.87	14	2.5	463	4431	57.77	26	78.0	97	416	5.42
3	0.11	45	7599	99.07	15	3.3	501	3968	51.73	27	100.0	116	319	4.16
4	0.14	50	7554	98.49	16	4.4	469	3467	45.20	28	140.0	79	203	2.65
5	0.19	132	7504	97.84	17	5.9	403	2998	39.09	29	190.0	52	124	1.62
6	0.25	227	7372	96.11	18	7.9	394	2595	33.83	30	250.0	33	72	0.94
7	0.34	277	7145	93.16	19	11.0	286	2201	28.70	31	330.0	18	39	0.51
8	0.45	346	6868	89.54	20	14.0	369	1915	24.97	32	440.0	13	21	0.27
9	0.60	377	6522	85.03	21	19.0	305	1546	20.16	33	580.0	7	8	0.10
10	0.79	494	6145	80.12	22	25.0	283	1241	16.18	34	780.0	1	1	0.01
11	1.1	365	5651	73.68	23	33.0	211	958	12.49					

VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.28  
P90 = 0.44  
P75 = 1.0  
P70 = 1.3  
P50 = 3.6  
P25 = 14.0  
P10 = 43.0



## 04182590 HARBER DITCH AT FORT WAYNE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1966	0.20 9	0.37 17	0.46 17	0.54 15	0.82 14	1.19 14	1.30 11	1.70 12	3.00 7
1967	0.30 17	0.30 16	0.30 11	0.32 7	0.38 6	0.80 6	1.19 10	1.50 9	5.10 15
1968	0.20 10	0.27 13	0.36 14	0.44 11	0.66 11	0.73 5	0.76 4	0.92 3	2.30 6
1969	0.20 11	0.24 12	0.44 16	0.48 14	0.51 7	0.63 4	0.98 7	1.60 10	3.50 10
1970	0.22 15	0.23 10	0.24 8	0.25 5	0.27 3	0.97 12	1.50 13	4.40 17	10.00 18
1971	0.10 4	0.10 4	0.10 3	0.18 3	0.56 9	1.90 18	2.50 17	2.60 14	3.70 11
1972	0.10 5	0.15 5	0.20 6	0.36 10	0.56 10	0.85 8	1.10 8	1.40 8	1.90 4
1973	0.20 12	0.21 8	0.33 12	0.47 12	0.96 17	2.40 19	3.70 19	6.50 19	11.00 19
1974	0.13 6	0.15 6	0.15 4	0.21 4	0.28 4	0.49 3	0.55 3	1.00 5	4.40 13
1975	0.06 1	0.07 1	0.07 1	0.08 1	0.16 2	0.38 2	0.49 2	0.57 2	0.92 2
1976	0.08 2	0.10 2	0.20 5	0.34 9	0.87 16	4.10 20	8.30 20	7.40 20	13.00 20
1977	0.09 3	0.10 3	0.10 2	0.10 2	0.11 1	0.18 1	0.25 1	0.38 1	0.80 1
1978	0.19 8	0.29 14	0.42 15	0.82 20	1.10 19	1.70 16	2.60 18	5.40 18	7.20 17
1979	0.16 7	0.18 7	0.25 9	0.32 8	0.54 8	0.88 9	0.92 5	0.97 4	1.60 3
1980	0.51 20	0.62 20	0.68 20	0.72 18	0.86 15	1.40 15	1.50 14	3.60 16	5.40 16
1981	0.23 16	0.24 11	0.29 10	0.59 17	0.97 18	1.10 13	2.00 15	2.70 15	3.40 9
1982	0.48 19	0.55 19	0.62 19	0.81 19	1.19 20	1.80 17	2.00 16	2.10 13	3.10 8
1983	0.22 13	0.23 9	0.24 7	0.29 6	0.38 5	0.93 11	1.40 12	1.70 11	4.70 14
1984	0.47 18	0.50 18	0.51 18	0.55 16	0.68 12	0.82 7	0.93 6	1.30 6	3.70 12
1985	0.22 14	0.29 15	0.34 13	0.48 13	0.76 13	0.88 10	1.19 9	1.30 7	2.00 5

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1965	335.00 18	177.00 18	109.00 19	75.00 18	55.00 18	51.00 14	42.00 9	35.00 13	24.00 19
1966	159.00 21	99.00 21	70.00 21	44.00 21	27.00 21	19.00 21	17.00 21	15.00 21	15.00 21
1967	475.00 12	394.00 5	260.00 4	141.00 8	81.00 9	67.00 6	55.00 5	55.00 3	47.00 2
1968	468.00 13	326.00 10	257.00 5	133.00 10	79.00 11	67.00 7	51.00 6	45.00 6	41.00 3
1969	541.00 9	449.00 3	252.00 6	158.00 6	89.00 6	57.00 10	42.00 10	40.00 9	36.00 9
1970	493.00 11	295.00 12	158.00 14	93.00 15	62.00 15	44.00 17	35.00 18	33.00 17	29.00 14
1971	384.00 17	306.00 11	196.00 11	119.00 11	84.00 8	56.00 11	38.00 16	35.00 14	27.00 16
1972	440.00 15	215.00 17	153.00 15	117.00 12	76.00 12	51.00 12	39.00 15	33.00 18	30.00 11
1973	507.00 10	235.00 16	121.00 17	103.00 13	68.00 13	51.00 13	41.00 14	37.00 11	39.00 6
1974	652.00 5	444.00 4	292.00 3	182.00 3	102.00 5	79.00 2	65.00 2	56.00 1	48.00 1
1975	250.00 20	170.00 19	111.00 18	64.00 19	45.00 20	39.00 19	32.00 19	34.00 15	30.00 12
1976	437.00 16	284.00 13	231.00 8	167.00 4	127.00 2	73.00 3	56.00 3	51.00 4	37.00 8
1977	270.00 19	132.00 20	75.00 20	54.00 20	46.00 19	38.00 20	31.00 20	23.00 20	18.00 20
1978	588.00 6	341.00 8	235.00 7	167.00 5	117.00 3	71.00 4	56.00 4	43.00 8	39.00 7
1979	777.00 2	390.00 6	205.00 9	134.00 9	80.00 10	60.00 9	42.00 11	33.00 16	25.00 18
1980	695.00 4	339.00 9	164.00 13	79.00 16	62.00 14	44.00 18	42.00 12	35.00 12	27.00 17
1981	544.00 8	380.00 7	192.00 12	101.00 14	57.00 17	46.00 16	41.00 13	39.00 10	29.00 15
1982	790.00 1	575.00 1	373.00 1	222.00 1	134.00 1	90.00 1	66.00 1	56.00 2	40.00 4
1983	464.00 14	264.00 15	149.00 16	79.00 17	60.00 16	48.00 15	36.00 17	28.00 19	30.00 13
1984	586.00 7	277.00 14	197.00 10	145.00 7	88.00 7	64.00 8	51.00 7	47.00 5	40.00 5
1985	710.00 3	560.00 2	306.00 2	184.00 2	102.00 4	69.00 5	47.00 8	44.00 7	32.00 10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	10.00 2
1967	24.00 17
1968	19.00 11
1969	19.00 12
1970	17.00 9
1971	20.00 13
1972	11.00 3
1973	29.00 20
1974	22.00 15
1975	15.00 7
1976	28.00 19
1977	7.60 1
1978	20.00 14
1979	16.00 8
1980	13.00 4
1981	13.00 5
1982	27.00 18
1983	14.00 6
1984	24.00 16
1985	19.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	13.00 19
1966	8.90 21
1967	25.00 1
1968	23.00 4
1969	19.00 9
1970	17.00 13
1971	15.00 17
1972	18.00 10
1973	24.00 3
1974	25.00 2
1975	18.00 11
1976	21.00 5
1977	11.00 20
1978	21.00 6
1979	14.00 18
1980	16.00 15
1981	16.00 16
1982	21.00 7
1983	17.00 14
1984	21.00 8
1985	18.00 12

## STREAMS TRIBUTARY TO LAKE ERIE

04182590 HARBER DITCH AT FORT WAYNE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
*	*	*	*	*	*	*	*	*	*	*	*	*
1964									8.34	2.99	0.76	0.77
1965	0.27	0.32	1.41	17.10	26.60	51.80	43.60	5.74	1.81	2.70	1.09	2.03
1966	8.01	2.71	16.60	12.00	16.30	13.60	5.31	24.00	1.71	3.16	1.99	1.26
1967	0.38	32.50	73.20	12.80	58.80	75.30	22.40	22.10	5.87	0.93	0.78	0.76
1968	2.25	3.61	76.20	37.60	37.40	22.50	25.10	44.20	16.80	2.36	7.60	0.84
1969	0.55	3.42	22.60	80.30	12.40	14.90	32.40	20.40	35.00	6.70	0.36	1.58
1970	11.70	42.90	3.83	18.10	13.50	21.60	58.10	20.60	2.86	4.00	1.19	6.32
1971	3.77	15.60	17.50	3.41	86.30	28.30	4.22	17.20	5.89	1.12	0.55	3.02
1972	3.14	0.88	40.30	15.20	4.96	28.70	73.70	14.70	11.90	3.83	1.69	14.10
1973	20.80	64.50	36.80	15.50	24.80	64.60	25.10	7.80	14.20	6.92	2.09	0.32
1974	0.90	12.00	32.70	93.50	30.80	40.80	23.60	56.50	2.74	0.34	0.51	0.75
1975	0.77	1.46	13.00	31.00	34.20	19.20	34.90	20.70	37.00	1.92	8.68	15.20
1976	4.76	16.20	38.90	14.20	94.50	50.70	10.70	4.85	11.70	3.26	1.89	1.73
1977	1.59	0.48	0.28	0.12	10.50	44.70	27.40	9.40	2.01	3.49	14.20	16.40
1978	4.03	8.14	64.10	4.22	1.27	85.30	53.00	24.90	2.48	1.62	1.22	1.19
1979	0.68	2.42	6.14	5.93	19.00	78.30	24.30	6.17	6.42	5.91	14.20	0.86
1980	1.97	9.37	21.90	7.33	11.20	51.40	27.30	8.07	39.90	2.99	9.54	3.56
1981	1.25	1.08	7.15	2.63	46.20	4.27	29.50	34.40	56.00	6.11	1.23	2.83
1982	2.59	1.67	5.43	30.20	25.00	130.00	31.80	10.10	11.00	2.60	2.36	1.49
1983	0.85	19.50	57.00	6.31	10.40	9.35	45.90	44.30	9.61	2.13	1.12	0.83
1984	2.34	9.65	50.70	4.06	43.30	74.30	34.90	31.60	3.56	1.66	0.76	1.20
1985	2.16	4.33	15.70	22.50	78.30	40.10	26.80	8.03	11.30	1.14	4.53	1.90

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.81	1.56	6.64	5.07	11.80	20.40
------	------	------	------	-------	-------

## FIFTIETH PERCENTILE

2.16	4.33	21.90	14.20	25.00	40.80
------	------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

3.90	15.90	45.50	26.30	44.70	69.40
------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

23.90	8.05	2.83	1.65	0.78	0.84
-------	------	------	------	------	------

## FIFTIETH PERCENTILE

27.40	20.40	8.97	2.84	1.46	1.53
-------	-------	------	------	------	------

## SEVENTY FIFTH PERCENTILE

39.20	28.20	14.80	3.87	5.30	3.15
-------	-------	-------	------	------	------

## 04182810 SPY RUN CREEK AT FORT WAYNE, IN

LOCATION.--Lat 41°06'18", long 85°09'12", in SW¼SW¼ sec.26, T.31 N., R.12 E., Allen County, Hydrologic Unit 04100004, on right bank 50 ft upstream from Sherman Boulevard bridge in Fort Wayne, and at mile 2.2 mi above mouth.

DRAINAGE AREA.--14.0 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1983 to September 1985.

GAGE.--Water-stage Recorder. Datum of gage is 760.00 ft above National Geodetic Vertical Datum of 1929 (levels by City of Fort Wayne).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,150 ft<sup>3</sup>/s March 16, 1984, gage height 9.94 ft; minimum daily, 2.2 ft<sup>3</sup>/s July 14, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 14, 1982 reached a stage of 10.75 ft, present site and datum.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1984		7	19	66	52	44	18	23	14	14	9	9	13	8	4	10	10	9	9	3	2	4	4	1	1	3	2	4		3					1
1985		17	17	71	76	28	25	11	13	13	13	10	9	8	7	11	4	4	3	3	4	4	4	3						2	2	2			1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	731	100.00	12	14.0	22	162	22.16	24	110.0	1	21	2.87
1	2.2	24	731	100.00	13	17.0	16	140	19.15	25	120.0	3	20	2.74
2	2.6	36	707	96.72	14	20.0	11	124	16.96	26	150.0	2	17	2.33
3	3.1	137	671	91.79	15	23.0	21	113	15.46	27	170.0	4	15	2.05
4	3.6	128	534	73.05	16	27.0	14	92	12.59	28	210.0	2	11	1.50
5	4.3	72	406	55.54	17	32.0	13	78	10.67	29	240.0	5	9	1.23
6	5.1	43	334	45.69	18	38.0	12	65	8.89	30	290.0	0	4	0.55
7	6.0	34	291	39.81	19	45.0	6	53	7.25	31	340.0	2	4	0.55
8	7.1	27	257	35.16	20	54.0	6	47	6.43	32	400.0	0	2	0.27
9	8.4	27	230	31.46	21	63.0	8	41	5.61	33	480.0	0	2	0.27
10	10.0	22	203	27.77	22	75.0	8	33	4.51	34	560.0	2	2	0.27
11	12.0	19	181	24.76	23	89.0	4	25	3.42					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 2.8  
P90 = 3.1  
P75 = 3.5  
P70 = 3.7  
P50 = 4.8  
P25 = 11.8  
P10 = 34.3

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1985	2.20 1	2.40 1	2.50 1	2.80 1	3.00 1	5.20 1	5.90 1	6.10 1	7.40 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1984	564.00 2	228.00 2	142.00 2	90.00 2	59.00 2	41.00 2	36.00 2	33.00 2	29.00 1
1985	713.00 1	459.00 1	226.00 1	135.00 1	78.00 1	55.00 1	38.00 1	37.00 1	27.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1985 20.00 1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1984 19.00 1  
1985 17.00 2

## STREAMS TRIBUTARY TO LAKE ERIE

04182810 SPY RUN CREEK AT FORT WAYNE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1984	8.76	22.40	31.30	3.76	25.80	46.60	25.30	34.20	4.30	9.27	4.10	6.84
1985	10.10	10.20	18.90	18.60	62.50	33.60	20.80	5.57	7.44	4.14	10.10	5.31

## 04183000 MAUMEE RIVER AT NEW HAVEN, IN

LOCATION.--Lat 41°05'06", long 85°01'20", in SE¼NE¼ sec.2, T.30 N., R.13 E., Allen County, Hydrologic Unit 04100005, on left bank 600 ft upstream from bridge on Landin Road, 1,400 ft upstream from the Norfolk and Western Railroad bridge, 1.1 mi northwest of New Haven, 2.8 mi upstream from Sixmile Creek and at mile 129.0.

DRAINAGE AREA.--1,967 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1946 to September 1956 (high-water records only), October 1956 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 724.51 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1956, nonrecording gage and Sept. 7, 1956, to Sept. 14, 1965, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Flow regulated by hydro-powerplant on the St. Joseph River 10.3 mi upstream from station. Flow slightly regulated by upstream reservoirs.

AVERAGE DISCHARGE.--29 years (1956 to 1985), 1,676 ft<sup>3</sup>/s, 11.57 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,600 ft<sup>3</sup>/s Mar. 17, 1982, gage height, 25.49 ft; minimum daily, 48 ft<sup>3</sup>/s Oct. 6, 13, 1963.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1957					6	19	35	33	19	19	14	15	12	20	20	22	14	10	10	6	15	13	6	16	11	10	5	5	1	2	7					
1958					1	6	9	10	2	22	16	12	24	29	27	15	33	29	19	14	15	14	18	19	8	10	7	4	2							
1959					3	6	20	13	15	25	39	29	15	7	7	11	12	13	21	14	11	7	13	15	18	19	11	4	3	3	6	3	2			
1960					1	14	11	8	20	17	14	10	25	29	20	38	20	20	19	17	6	15	14	13	9	9	5	10	2							
1961					2	10	12	25	58	25	16	19	20	24	19	16	11	15	12	8	4	6	7	9	11	2	8	5	8	6	2	5				
1962	4	6	6	3	13	24	22	22	22	29	24	17	22	19	12	14	8	19	15	8	5	11	10	3	8	7	8	4								
1963	1	11	12	14	67	73	36	14	11	11	13	15	12	11	5	5	5	7	4	9	6	4	1	3	9	4	2									
1964	11	16	34	37	47	40	21	16	18	12	13	4	7	8	9	5	3	7	8	6	9	4	6	1	5	10	6	3								
1965	2	6	15	26	21	32	31	29	23	7	12	9	19	12	11	8	4	12	8	6	9	10	15	10	6	7	6	3	6							
1966					4	17	32	20	15	13	28	29	21	28	21	12	11	19	21	16	13	10	8	7	3	7	5	5								
1967					19	30	30	14	6	11	18	13	20	8	13	10	13	17	13	14	12	13	9	17	10	13	12	12	7	3	1	1	6			
1968					4	6	3	1	3	22	9	9	20	30	39	42	17	16	26	9	9	6	13	17	17	7	10	11	7	5	4	4				
1969						11	15	33	15	8	5	11	10	20	38	34	21	26	14	15	13	17	13	8	11	6	6	5	3	3	4					
1970					1	11	9	12	8	29	31	35	32	13	14	16	21	15	14	13	11	11	12	10	12	15	10	5	4	1						
1971						15	11	23	22	26	21	30	32	22	19	24	14	16	14	11	16	10	8	9	7	5	1	1	7	1						
1972						16	28	20	27	13	22	18	18	16	19	15	11	14	17	21	16	15	19	10	12	5	6	4	4							
1973						3	6	12	4	5	2	5	5	10	5	22	20	23	32	17	26	22	33	31	27	15	14	10	10	6						
1974					1	3	28	31	24	30	14	10	13	11	16	26	14	9	22	11	9	7	7	13	12	12	7	7	13	6	7	2				
1975						23	9	5	12	17	19	13	13	10	20	23	19	22	14	35	20	33	21	14	7	5	4	4	3							
1976					2	14	15	6	15	23	14	29	18	17	24	32	25	18	23	14	16	10	8	6	5	5	4	4	4	5	4	6				
1977					3	14	58	43	30	30	16	18	16	18	12	7	6	11	5	8	9	5	7	16	13	7	6	4	2	1						
1978						8	10	17	17	21	50	46	32	21	12	15	12	7	8	11	4	13	7	2	9	3	8	10	6	9	3	3	1			
1979					1	2	11	28	13	43	32	24	21	21	16	14	19	12	18	19	11	9	10	14	7	5	6	2	1	3	2	1				
1980						2	3	14	20	18	29	20	21	22	33	21	23	23	10	14	10	12	9	14	13	11	11	10	3							
1981						1	10	32	38	37	18	31	25	14	12	19	13	18	13	9	13	9	9	12	7	13	6	1	2	3						
1982						2	13	15	11	9	16	16	15	14	19	33	28	33	17	20	11	10	13	16	14	14	8	6	1	1	2	2	4	2		
1983					1	13	24	24	19	9	8	11	9	13	13	22	28	20	23	17	19	13	15	12	12	14	9	7	5	3	2					
1984					1	1	8	8	10	24	19	15	32	20	21	31	19	20	6	6	7	13	9	16	8	9	11	14	12	16	7	3				
1985						6	24	20	12	20	34	27	34	30	24	19	18	14	10	7	9	8	4	8	8	5	6	7	5							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	10592	100.00	12	390.0	509	6715	63.40	24	3900.0	294	1345	12.70
1	48.0	18	10592	100.00	13	470.0	539	6206	58.59	25	4700.0	283	1051	9.92
2	58.0	39	10574	99.83	14	570.0	533	5667	53.50	26	5700.0	221	768	7.25
3	70.0	89	10535	99.46	15	690.0	562	5134	48.47	27	6900.0	189	547	5.16
4	85.0	147	10446	98.62	16	840.0	515	4572	43.16	28	8300.0	159	358	3.38
5	100.0	323	10299	97.23	17	1000.0	438	4057	38.30	29	10000.0	84	199	1.88
6	120.0	550	9976	94.18	18	1200.0	507	3619	34.17	30	12000.0	61	115	1.09
7	150.0	535	9426	88.99	19	1500.0	363	3112	29.38	31	15000.0	34	54	0.51
8	180.0	484	8891	83.94	20	1800.0	396	2749	25.95	32	18000.0	10	20	0.19
9	220.0	577	8407	79.37	21	2200.0	288	2353	22.21	33	22000.0	8	10	0.09
10	270.0	509	7830	73.92	22	2600.0	362	2065	19.50	34	26000.0	2	2	0.02
11	320.0	606	7321	69.12	23	3200.0	358	1703	16.08					

STREAMS TRIBUTARY TO LAKE ERIE  
04183000 MAUMEE RIVER AT NEW HAVEN, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 115.0  
P90 = 144.0  
P75 = 260.0  
P70 = 311.0  
P50 = 654.0  
P25 = 1900.0  
P10 = 4680.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1958	98.00 14	101.00 9	106.00 10	111.00 7	131.00 9	227.00 17	258.00 16	461.00 20	950.00 24
1959	110.00 19	126.00 19	194.00 24	244.00 27	284.00 26	687.00 27	746.00 27	951.00 28	1220.00 27
1960	92.00 10	95.00 8	104.00 8	113.00 8	138.00 10	166.00 9	212.00 12	334.00 14	616.00 17
1961	72.00 5	87.00 6	94.00 6	107.00 6	139.00 11	151.00 8	163.00 7	165.00 6	171.00 5
1962	98.00 15	168.00 24	207.00 26	227.00 24	245.00 21	330.00 23	372.00 21	470.00 21	487.00 13
1963	54.00 3	57.00 3	70.00 3	73.00 2	98.00 4	117.00 4	120.00 3	129.00 3	127.00 3
1964	48.00 1	51.00 1	55.00 1	56.00 1	61.00 1	76.00 1	86.00 1	91.00 1	123.00 1
1965	54.00 2	57.00 2	61.00 2	76.00 3	83.00 2	88.00 2	95.00 2	100.00 2	125.00 2
1966	92.00 11	103.00 11	125.00 13	141.00 14	153.00 14	197.00 15	213.00 13	250.00 12	338.00 9
1967	77.00 7	79.00 5	86.00 5	95.00 5	100.00 5	118.00 5	132.00 5	174.00 7	364.00 10
1968	71.00 4	75.00 4	80.00 4	93.00 4	96.00 3	101.00 3	124.00 4	162.00 5	278.00 6
1969	164.00 25	172.00 25	177.00 23	182.00 20	196.00 19	296.00 22	359.00 20	623.00 24	937.00 23
1970	120.00 22	129.00 20	131.00 16	146.00 15	182.00 18	286.00 19	400.00 23	454.00 19	726.00 20
1971	98.00 16	105.00 12	112.00 12	120.00 11	130.00 8	198.00 16	258.00 17	309.00 13	402.00 12
1972	105.00 18	108.00 13	110.00 11	132.00 12	144.00 13	184.00 11	237.00 15	247.00 11	321.00 8
1973	140.00 23	149.00 22	158.00 21	169.00 19	270.00 24	666.00 26	610.00 25	712.00 26	1220.00 28
1974	116.00 20	121.00 18	135.00 17	149.00 17	168.00 16	184.00 12	206.00 10	422.00 16	756.00 21
1975	92.00 12	116.00 15	130.00 14	136.00 13	139.00 12	187.00 13	189.00 8	190.00 8	298.00 7
1976	176.00 27	210.00 27	220.00 27	235.00 26	299.00 27	472.00 25	621.00 26	642.00 25	1010.00 26
1977	85.00 8	92.00 7	102.00 7	117.00 9	126.00 6	130.00 6	139.00 6	159.00 4	167.00 4
1978	87.00 9	108.00 14	147.00 20	198.00 22	254.00 22	417.00 24	487.00 24	535.00 22	547.00 15
1979	97.00 13	119.00 16	144.00 19	146.00 16	164.00 15	179.00 10	207.00 11	234.00 9	384.00 11
1980	145.00 24	152.00 23	177.00 22	202.00 23	213.00 20	251.00 18	348.00 19	604.00 23	633.00 19
1981	175.00 26	202.00 26	204.00 25	230.00 25	282.00 25	287.00 20	387.00 22	435.00 18	569.00 16
1982	189.00 28	234.00 28	257.00 28	318.00 28	545.00 28	736.00 28	791.00 28	845.00 27	918.00 22
1983	120.00 21	132.00 21	138.00 18	168.00 18	177.00 17	187.00 14	222.00 14	425.00 17	984.00 25
1984	99.00 17	102.00 10	106.00 9	117.00 10	126.00 7	142.00 7	195.00 9	238.00 10	537.00 14
1985	74.00 6	120.00 17	130.00 15	195.00 21	262.00 23	292.00 21	322.00 18	359.00 15	621.00 18

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1957	14500.00 12	14300.00 12	14100.00 10	10500.00 10	8090.00 5	5180.00 10	3980.00 13	3440.00 14	2780.00 16
1958	10600.00 22	10200.00 22	8800.00 22	6910.00 21	4890.00 22	3110.00 27	2630.00 27	2280.00 27	2030.00 24
1959	18600.00 4	18200.00 4	16400.00 4	11100.00 6	8080.00 6	6180.00 5	5440.00 3	4860.00 2	3670.00 5
1960	11300.00 16	10600.00 18	8550.00 23	5490.00 28	4520.00 27	3800.00 24	3120.00 24	3020.00 19	2630.00 17
1961	13600.00 13	13200.00 13	12100.00 13	9960.00 11	6980.00 9	5340.00 9	4360.00 9	3420.00 15	2440.00 20
1962	9630.00 27	9300.00 25	7860.00 26	7160.00 18	5670.00 18	4100.00 20	3470.00 20	2880.00 21	2160.00 23
1963	9830.00 26	9090.00 27	7860.00 27	6340.00 24	4640.00 26	2880.00 28	2050.00 28	1680.00 29	1210.00 29
1964	9530.00 28	9160.00 26	8060.00 25	5860.00 26	4990.00 21	3980.00 23	2930.00 25	2340.00 26	1610.00 28
1965	10700.00 20	10500.00 19	9800.00 17	7020.00 19	4860.00 24	4600.00 17	4080.00 11	3400.00 16	2380.00 21
1966	8040.00 29	7550.00 29	7170.00 29	5810.00 27	3830.00 29	2230.00 29	1960.00 29	1810.00 28	1740.00 27
1967	17600.00 5	17300.00 6	16100.00 6	10700.00 7	6120.00 15	4120.00 19	3590.00 16	3740.00 11	3250.00 9
1968	17300.00 8	16800.00 8	14600.00 8	10600.00 8	6550.00 14	5530.00 7	4410.00 8	3980.00 7	3460.00 8
1969	17600.00 6	16900.00 7	15000.00 7	10500.00 9	7060.00 7	5020.00 11	3850.00 15	3780.00 9	3100.00 10
1970	10200.00 23	9570.00 23	8330.00 24	6250.00 25	4800.00 25	4020.00 22	3450.00 21	3180.00 17	2480.00 19
1971	10200.00 24	9540.00 24	9170.00 21	7020.00 20	5260.00 20	3570.00 26	2640.00 26	2400.00 25	1790.00 26
1972	11300.00 17	11000.00 16	9700.00 18	8590.00 15	6040.00 16	4530.00 18	3550.00 17	2830.00 22	2500.00 18
1973	11000.00 19	10400.00 21	9990.00 16	8850.00 14	6760.00 10	4960.00 12	3940.00 14	3780.00 10	3870.00 2
1974	16600.00 9	16000.00 10	14200.00 9	11600.00 5	6760.00 11	6450.00 4	5530.00 2	4830.00 3	3820.00 3
1975	11100.00 18	10800.00 17	9540.00 20	6360.00 23	4320.00 28	3590.00 25	3250.00 23	3100.00 18	2890.00 15

## 04183000 MAUNEE RIVER AT NEW HAVEN, IN--Continued

HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued																		
1976	17600.00	7	17400.00	5	16400.00	5	12900.00	4	10200.00	3	6050.00	6	4510.00	7	3980.00	8	2970.00	12
1977	10000.00	25	9060.00	28	7370.00	28	5440.00	29	4880.00	23	4070.00	21	3280.00	22	2530.00	24	1920.00	25
1978	22400.00	3	21800.00	3	19400.00	3	15200.00	2	11900.00	1	7370.00	2	5410.00	4	4430.00	5	3730.00	4
1979	15200.00	11	14500.00	11	12200.00	12	8110.00	16	5540.00	19	4660.00	16	3480.00	19	2820.00	23	2180.00	22
1980	10600.00	21	10500.00	20	9560.00	19	7560.00	17	6570.00	13	4860.00	14	4070.00	12	3670.00	12	2970.00	13
1981	16600.00	10	16100.00	9	13300.00	11	9620.00	13	6600.00	12	4890.00	13	4250.00	10	3490.00	13	3060.00	11
1982	26300.00	1	25800.00	1	24400.00	1	18500.00	1	11800.00	2	8600.00	1	6570.00	1	5500.00	1	4320.00	1
1983	13300.00	14	12700.00	14	11000.00	15	6900.00	22	5840.00	17	4720.00	15	3500.00	18	2980.00	20	2950.00	14
1984	12600.00	15	11600.00	15	11100.00	14	9670.00	12	6980.00	8	5430.00	8	4910.00	6	4420.00	6	3630.00	6
1985	23700.00	2	23100.00	2	20200.00	2	14300.00	3	8960.00	4	7190.00	3	5030.00	5	4740.00	4	3570.00	7

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1958	2040.00	21
1959	2280.00	24
1960	1810.00	16
1961	1140.00	5
1962	1820.00	17
1963	665.00	2
1964	530.00	1
1965	1280.00	7
1966	1240.00	6
1967	1670.00	14
1968	1850.00	18
1969	1980.00	20
1970	1520.00	11
1971	1500.00	10
1972	993.00	4
1973	2760.00	27
1974	2310.00	26
1975	1570.00	12
1976	2230.00	23
1977	829.00	3
1978	1870.00	19
1979	1490.00	9
1980	1610.00	13
1981	1460.00	8
1982	2980.00	28
1983	1710.00	15
1984	2210.00	22
1985	2300.00	25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1957	1520.00	19
1958	1800.00	13
1959	2080.00	6
1960	1730.00	16
1961	1340.00	21
1962	1210.00	24
1963	669.00	29
1964	858.00	28
1965	1290.00	23
1966	1040.00	27
1967	1790.00	15
1968	2200.00	3
1969	1890.00	10
1970	1490.00	20
1971	1120.00	25
1972	1630.00	18
1973	2640.00	1
1974	2070.00	7
1975	1800.00	14
1976	1710.00	17
1977	1100.00	26
1978	2120.00	5
1979	1300.00	22
1980	1900.00	9
1981	1810.00	11
1982	2510.00	2
1983	1800.00	12
1984	2140.00	4
1985	2050.00	8

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1957	124.00	194.00	332.00	811.00	1544.00	1266.00	7955.00	2356.00	1443.00	1805.00	187.00	293.00
1958	799.00	1259.00	4465.00	1132.00	910.00	1887.00	1448.00	647.00	3189.00	2434.00	2119.00	1243.00
1959	322.00	1807.00	687.00	2516.00	7413.00	4025.00	4240.00	2994.00	689.00	414.00	187.00	149.00
1960	699.00	1628.00	2187.00	3634.00	3469.00	1553.00	2942.00	1170.00	2655.00	562.00	267.00	170.00
1961	147.00	203.00	167.00	159.00	737.00	4483.00	5565.00	2544.00	493.00	475.00	666.00	452.00
1962	324.00	910.00	438.00	2437.00	2207.00	5341.00	1254.00	773.00	352.00	232.00	99.10	137.00
1963	125.00	155.00	127.00	119.00	176.00	4360.00	1227.00	406.00	561.00	397.00	220.00	91.20
1964	62.30	119.00	96.40	222.00	161.00	2769.00	4876.00	1047.00	562.00	197.00	119.00	96.10
1965	87.50	102.00	151.00	1063.00	2632.00	4616.00	4395.00	1445.00	294.00	234.00	216.00	368.00
1966	533.00	407.00	2468.00	1769.00	1247.00	1533.00	1008.00	2394.00	397.00	373.00	159.00	137.00
1967	105.00	1129.00	5885.00	967.00	2652.00	4826.00	2928.00	2176.00	396.00	235.00	110.00	96.40
1968	219.00	630.00	6292.00	1975.00	4860.00	2376.00	2325.00	2610.00	2267.00	1160.00	1322.00	403.00
1969	211.00	959.00	2394.00	4924.00	3900.00	1443.00	3788.00	2165.00	1322.00	1176.00	255.00	358.00
1970	601.00	2231.00	624.00	653.00	2252.00	2970.00	4771.00	2377.00	640.00	419.00	242.00	243.00
1971	347.00	699.00	1059.00	329.00	4131.00	3024.00	789.00	1429.00	1007.00	355.00	150.00	317.00
1972	339.00	180.00	2162.00	1669.00	434.00	2993.00	5983.00	1588.00	584.00	1132.00	344.00	2093.00
1973	1615.00	5308.00	3526.00	2771.00	1893.00	6340.00	3373.00	1397.00	2736.00	1479.00	998.00	173.00
1974	198.00	696.00	2219.00	6008.00	3810.00	4734.00	3201.00	2670.00	747.00	226.00	185.00	244.00
1975	142.00	374.00	1624.00	3050.00	3797.00	2762.00	2658.00	2238.00	2901.00	612.00	740.00	898.00

STREAMS TRIBUTARY TO LAKE ERIE  
04183000 MAUMEE RIVER AT NEW HAVEN, IN--Continued

NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1976	478.00	591.00	2711.0	1213.0	7649.0	4413.0	1168.0	769.00	734.00	601.00	249.00	156.00
1977	229.00	181.00	140.00	128.00	779.00	4778.0	3233.0	1150.0	332.00	764.00	726.00	711.00
1978	409.00	432.00	5329.0	679.00	389.00	8103.0	6126.0	1622.0	566.00	1085.0	318.00	209.00
1979	165.00	272.00	708.00	694.00	714.00	5413.0	3486.0	1216.0	531.00	599.00	1421.0	360.00
1980	242.00	1237.0	2765.0	1155.0	975.00	5321.0	3903.0	1266.0	3386.0	858.00	1070.0	637.00
1981	287.00	287.00	856.00	331.00	3709.0	1181.0	2662.0	3226.0	6480.0	1205.0	664.00	1116.0
1982	947.00	810.00	902.00	2666.0	3668.0	11460.0	3985.0	1869.0	2023.0	1348.0	300.00	197.00
1983	184.00	2297.0	4227.0	1152.0	1585.0	1392.0	4733.0	4138.0	771.00	812.00	223.00	133.00
1984	303.00	1743.0	4199.0	467.00	3848.0	5233.0	5325.0	2729.0	965.00	313.00	347.00	315.00
1985	585.00	1527.0	2045.0	2937.0	4903.0	5784.0	4468.0	582.00	731.00	301.00	492.00	534.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
156.00	238.00	531.00	560.00	845.00	2132.00
FIFTIETH PERCENTILE					
287.00	696.00	2045.00	1152.00	2252.00	4360.00
SEVENTY FIFTH PERCENTILE					
506.00	1393.00	3146.00	2591.00	3829.00	5277.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
2492.00	1160.00	546.00	334.00	187.00	153.00
FIFTIETH PERCENTILE					
3486.00	1622.00	734.00	599.00	267.00	293.00
SEVENTY FIFTH PERCENTILE					
4752.00	2469.00	2145.00	1146.00	696.00	493.00



## 05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, IN

LOCATION.--Lat 41°33'50", long 86°29'50", in NW¼NE¼ sec.23, T.36 N., R.1 W., St. Joseph County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on county highway named "New Road", 2.7 mi upstream from Little Kankakee River, 4 mi northwest of North Liberty, and at mile 126.9.

DRAINAGE AREA.--174 mi<sup>2</sup>, of which 58.2 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--January 1951 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 680.04 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to June 26, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 152 ft<sup>3</sup>/s, 11.90 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 908 ft<sup>3</sup>/s Mar. 17, 1982, gage height, 9.01 ft; maximum gage height, 9.04 ft June 27, 1968; minimum daily discharge, 46 ft<sup>3</sup>/s Sept. 9, 10, 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1952					4	16	5	22	3	16	16		5	12	17	25	16	56	28	20	31	19	18	13	10	6	3	4	1							
1953				15	18	34	22	27	28	15	18	41	43	72	16	12		1	1		2															
1954				1	32	47	36	51	30	13	26	23	33	7	19	7	8	5	5	8	2	6	5	1												
1955					1	16	15	23	7	17	14	14	43	22	47	25	23	36	10	14	8	5	4	4	2	6	5	2	1	1						
1956					19	19	11	12	9	43	23	58	46	29	24	6	17	14	6	5	5	2	7	4	1	2	1	2	1							
1957			6	2	20	78	25	41	18	37	33	32	21	20	13	1	7	3	1	2		1		1				2	1							
1958					3	20	23	35	14	38	48	36	61	15	19	8	7	9	5	6	3	5	2	4	1	3										
1959			7	14	10	13	51	45	44	15	32	14	6	20	2	17	5	6	6	9	7	6	11	12	8	1	4									
1960					4	6	9	21	14	9	31	10	34	19	78	16	37	18	13	10	12	5	7	4	1	3	2	3								
1961						79	27	58	27	29	21	33	29	15	21	6	5	4	2	1		2		3	1			2								
1962			6	7	7	13	33	15	30	77	35	55	24	11	8	3	11	8	4	7	2	1	2	4	2											
1963			1	3	28	25	45	21	32	23	38	15	27	37	26	11	3	6	3	1	2	2	5	1	4	1	1	3	1							
1964			4	11	9	23	42	69	41	25	17	25	17	28	22	11	9	3	4	3	1	2														
1965				8	15	31	27	32	37	14	5	24	17	22	25	7	14	5	18	11	10	16	6	11	6	3	1									
1966					1	5	8	15	7	19	21	32	69	39	34	11	29	11	9	13	6	7	9	7	6	3	1	2	1							
1967			1	7	20	21	28	15	21	14	18	51	20	27	11	14	9	17	21	11	11	7	5	5	5	2	1	3								
1968					3	23	17	23	21	18	76	22	40	19	34	17	15	9	5	5	3	3	1	4	1	2	4	1								
1969					10	23	10	5	11	54	26	40	30	49	13	29	26	9	12	2	7	3	4													
1970						11	16	14	31	36	65	83	17	35	13	10	9	4	5	3	4	2	4	1	1	1										
1971			1	5	16	26	14	10	12	17	16	20	35	27	31	20	46	13	19	12	10	11	1	1	2											
1972					1	12	35	40	45	17	30	37	21	27	24	21	20	9	12		8	5	1	1												
1973				4	10	14	11	9	8	4	8	10	6	9	10	39	19	68	50	30	18	11	8	7	2	3			2	3						
1974					20	15	12	14	20	26	28	28	24	17	60	18	23	12	12	12	6	9	6	3												
1975			1	4	3	4	4	4	49	19	19	32	22	62	13	37	13	19	20	7	13	5	4	5	4	1			1							
1976					1	8	46	31	18	23	10	34	44	24	32	11	13	18	12	11	2	7	6	4	2	2	3	2								
1977			2	7	21	27	65	35	45	30	18	24	14	9	10	11	15	9	12	5	1	3			1		1									
1978				3	9	20	19	14	34	27	64	54	15	27	8	10	13	11	4	4	5	2	5	3	7	2	3	2								
1979					1	13	17	39	31	65	42	19	36	7	14	2	14	5	7	18	7	4	8	7	1	1	4	2	1							
1980					4	6	5	10	5	22	42	47	58	32	40	25	23	20	8	12	1	3	3													
1981										49	29	57	55	20	26	17	24	15	10	18	7	7	5	8	3	2	6	2	2						1	
1982								2	10	24	11	17	50	31	60	18	33	24	24	15	10	8	8	4	1	3	1	1						2	6	1
1983				2	12	5	5	6	8	43	15	11	43	36	43	9	27	23	14	23	9	9	2	6	2	2	3	5					1	1		
1984				4	8	10	9	16	10	51	60	20	46	30	32	11	19	13	10	5	4	1	2	3												
1985								2	18	42	15	23	53	35	47	10	22	13	11	13	7	10	7	8	3	6	4	3	3	3	3	3	4			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	12419	100.00	12	120.0	974	7238	58.28	24	360.0	128	377	3.04
1	46.0	6	12419	100.00	13	130.0	1424	6264	50.44	25	400.0	51	249	2.00
2	50.0	32	12413	99.95	14	150.0	670	4840	38.97	26	430.0	62	198	1.59
3	55.0	92	12381	99.69	15	160.0	1041	4170	33.58	27	470.0	52	136	1.10
4	60.0	168	12289	98.95	16	180.0	379	3129	25.20	28	520.0	35	84	0.68
5	66.0	327	12121	97.60	17	190.0	668	2750	22.14	29	570.0	19	49	0.39
6	72.0	661	11794	94.97	18	210.0	494	2082	16.76	30	620.0	12	30	0.24
7	79.0	599	11133	89.64	19	230.0	325	1588	12.79	31	680.0	4	18	0.14
8	86.0	826	10534	84.82	20	250.0	370	1263	10.17	32	740.0	7	14	0.11
9	94.0	533	9708	78.17	21	280.0	171	893	7.19	33	810.0	6	7	0.06
10	100.0	1037	9175	73.88	22	300.0	191	722	5.81	34	890.0	1	1	0.01
11	110.0	900	8138	65.53	23	330.0	154	531	4.28					

## 05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 71.9  
 P90 = 78.5  
 P75 = 98.4  
 P70 = 105.0  
 P50 = 131.0  
 P25 = 181.0  
 P10 = 252.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1952	98.00 33	102.00 33	104.00 33	110.00 33	114.00 33	125.00 33	138.00 33	143.00 33	166.00 33
1953	65.00 15	66.00 12	69.00 16	70.00 15	73.00 12	76.00 10	80.00 11	85.00 11	96.00 9
1954	56.00 8	56.00 6	57.00 5	57.00 4	61.00 4	65.00 3	68.00 2	70.00 2	74.00 1
1955	73.00 27	74.00 26	74.00 20	77.00 21	80.00 18	87.00 21	97.00 24	106.00 25	138.00 30
1956	70.00 22	72.00 20	75.00 21	76.00 19	84.00 24	86.00 20	93.00 18	105.00 23	123.00 23
1957	68.00 19	68.00 17	68.00 12	68.00 12	70.00 10	73.00 7	75.00 6	78.00 5	83.00 4
1958	56.00 9	56.00 7	58.00 6	62.00 9	68.00 9	77.00 11	77.00 7	84.00 9	102.00 12
1959	74.00 28	74.00 27	75.00 22	77.00 20	77.00 16	80.00 13	85.00 14	85.00 10	90.00 7
1960	52.00 5	53.00 4	54.00 2	54.00 2	58.00 1	70.00 6	77.00 8	82.00 7	106.00 16
1961	68.00 20	73.00 23	73.00 19	74.00 18	76.00 14	78.00 12	79.00 9	83.00 8	85.00 5
1962	78.00 29	78.00 29	78.00 26	84.00 28	86.00 26	93.00 25	96.00 21	103.00 21	109.00 17
1963	56.00 10	56.00 8	58.00 7	61.00 7	67.00 8	74.00 8	80.00 10	88.00 12	94.00 8
1964	52.00 6	57.00 9	61.00 9	62.00 8	65.00 6	67.00 4	68.00 3	71.00 3	76.00 2
1965	46.00 1	47.00 1	51.00 1	53.00 1	59.00 2	61.00 1	67.00 1	66.00 1	82.00 3
1966	50.00 4	51.00 2	55.00 3	59.00 5	60.00 3	68.00 5	72.00 5	81.00 6	112.00 18
1967	66.00 16	74.00 24	78.00 27	81.00 27	89.00 27	91.00 23	110.00 30	118.00 30	124.00 24
1968	63.00 11	67.00 16	68.00 13	72.00 16	82.00 22	83.00 15	89.00 15	100.00 18	130.00 25
1969	83.00 31	85.00 31	88.00 31	89.00 31	91.00 29	102.00 27	108.00 28	111.00 27	135.00 28
1970	72.00 25	76.00 28	76.00 23	78.00 22	81.00 20	85.00 16	97.00 25	104.00 22	115.00 20
1971	70.00 23	72.00 21	82.00 29	87.00 30	92.00 30	102.00 28	112.00 31	117.00 29	137.00 29
1972	49.00 2	51.00 3	55.00 4	57.00 3	62.00 5	64.00 2	69.00 4	78.00 4	85.00 6
1973	78.00 30	79.00 30	84.00 30	86.00 29	94.00 31	106.00 31	103.00 27	112.00 28	147.00 32
1974	56.00 7	57.00 10	59.00 8	61.00 6	67.00 7	75.00 9	84.00 12	91.00 14	103.00 13
1975	66.00 17	66.00 13	68.00 14	69.00 13	73.00 11	81.00 14	84.00 13	92.00 15	104.00 14
1976	49.00 3	54.00 5	62.00 10	64.00 10	80.00 19	85.00 17	91.00 17	90.00 13	104.00 15
1977	72.00 26	74.00 25	78.00 28	80.00 26	84.00 23	90.00 22	95.00 19	102.00 20	98.00 10
1978	64.00 13	66.00 14	69.00 17	72.00 17	79.00 17	93.00 26	96.00 22	99.00 17	115.00 21
1979	68.00 21	69.00 18	72.00 18	78.00 23	82.00 21	86.00 18	89.00 16	92.00 16	101.00 11
1980	71.00 24	73.00 22	76.00 24	79.00 24	89.00 28	105.00 30	102.00 26	106.00 24	116.00 22
1981	67.00 18	70.00 19	76.00 25	80.00 25	85.00 25	108.00 32	122.00 32	126.00 32	132.00 27
1982	107.00 34	110.00 34	113.00 34	122.00 34	138.00 34	157.00 34	153.00 34	166.00 34	175.00 34
1983	93.00 32	94.00 32	95.00 32	97.00 32	101.00 32	104.00 29	110.00 29	121.00 31	141.00 31
1984	65.00 14	66.00 15	68.00 15	69.00 14	77.00 15	92.00 24	97.00 23	101.00 19	112.00 19
1985	63.00 12	63.00 11	66.00 11	68.00 11	75.00 13	86.00 19	95.00 20	110.00 26	130.00 26

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1952	526.00 16	467.00 18	419.00 16	367.00 14	344.00 8	302.00 7	300.00 3	289.00 2	271.00 1
1953	255.00 34	241.00 33	203.00 33	174.00 33	157.00 33	147.00 33	143.00 33	141.00 33	135.00 33
1954	360.00 30	353.00 30	339.00 26	303.00 23	256.00 23	218.00 24	196.00 26	181.00 25	160.00 27
1955	655.00 6	607.00 7	534.00 5	429.00 6	324.00 10	265.00 12	261.00 11	251.00 6	239.00 5
1956	584.00 13	538.00 13	458.00 15	374.00 13	324.00 11	237.00 18	222.00 18	206.00 20	175.00 22
1957	510.00 17	470.00 17	380.00 18	281.00 27	221.00 30	184.00 32	162.00 32	152.00 32	138.00 32
1958	450.00 24	420.00 22	373.00 20	310.00 20	243.00 25	194.00 30	192.00 27	183.00 24	170.00 26
1959	445.00 25	417.00 24	379.00 19	346.00 17	318.00 12	301.00 8	270.00 7	236.00 12	187.00 18
1960	554.00 14	536.00 14	466.00 12	366.00 15	307.00 17	248.00 15	250.00 13	242.00 10	221.00 9
1961	505.00 18	472.00 16	407.00 17	313.00 19	238.00 26	192.00 31	179.00 30	166.00 31	144.00 31
1962	418.00 26	406.00 25	367.00 22	325.00 18	276.00 19	218.00 25	182.00 29	169.00 30	149.00 29
1963	545.00 15	514.00 15	463.00 13	397.00 11	315.00 14	235.00 19	201.00 23	178.00 27	147.00 30
1964	276.00 33	227.00 34	189.00 34	169.00 34	149.00 34	144.00 34	131.00 34	128.00 34	119.00 34
1965	406.00 28	372.00 27	317.00 29	288.00 24	270.00 20	254.00 14	228.00 15	211.00 19	182.00 19

## 05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	617.00	9	540.00	12	458.00	14	361.00	16	310.00	15	242.00	16	225.00	17	217.00	16	213.00	10
1967	613.00	10	592.00	9	527.00	6	400.00	10	352.00	7	313.00	5	272.00	6	246.00	7	234.00	8
1968	625.00	8	608.00	6	511.00	9	427.00	7	318.00	13	257.00	13	235.00	14	222.00	14	209.00	12
1969	461.00	23	434.00	21	363.00	23	306.00	21	256.00	24	226.00	22	215.00	20	213.00	18	204.00	14
1970	481.00	22	447.00	20	368.00	21	283.00	26	278.00	18	240.00	17	210.00	21	192.00	22	172.00	25
1971	336.00	32	319.00	32	290.00	32	253.00	30	221.00	31	201.00	27	177.00	31	172.00	28	174.00	23
1972	418.00	27	362.00	28	315.00	30	253.00	31	225.00	29	216.00	26	202.00	22	185.00	23	182.00	20
1973	668.00	5	629.00	5	540.00	4	406.00	8	341.00	9	289.00	11	269.00	8	257.00	4	246.00	4
1974	361.00	29	357.00	29	331.00	27	271.00	28	234.00	27	224.00	23	221.00	19	214.00	17	203.00	15
1975	491.00	20	397.00	26	321.00	28	288.00	25	257.00	22	233.00	21	227.00	16	220.00	15	199.00	17
1976	636.00	7	603.00	8	543.00	3	435.00	5	369.00	5	293.00	10	265.00	10	240.00	11	212.00	11
1977	495.00	19	419.00	23	351.00	25	305.00	22	263.00	21	235.00	20	198.00	25	172.00	29	150.00	28
1978	600.00	11	579.00	10	524.00	7	469.00	3	412.00	3	306.00	6	259.00	12	229.00	13	207.00	13
1979	589.00	12	556.00	11	520.00	8	445.00	4	379.00	4	322.00	3	278.00	4	245.00	9	200.00	16
1980	358.00	31	340.00	31	297.00	31	250.00	32	232.00	28	199.00	28	184.00	28	179.00	26	174.00	24
1981	769.00	3	633.00	3	499.00	11	379.00	12	310.00	16	294.00	9	269.00	9	257.00	5	235.00	6
1982	903.00	1	872.00	1	856.00	1	692.00	1	512.00	1	379.00	2	317.00	2	287.00	3	256.00	3
1983	685.00	4	631.00	4	510.00	10	406.00	9	352.00	6	317.00	4	276.00	5	246.00	8	234.00	7
1984	489.00	21	452.00	19	354.00	24	270.00	29	208.00	32	198.00	29	199.00	24	198.00	21	176.00	21
1985	800.00	2	787.00	2	730.00	2	660.00	2	504.00	2	422.00	1	343.00	1	311.00	1	267.00	2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1952	217.00	33
1953	135.00	10
1954	99.00	2
1955	188.00	30
1956	140.00	12
1957	121.00	4
1958	143.00	13
1959	127.00	7
1960	161.00	23
1961	127.00	8
1962	134.00	9
1963	122.00	5
1964	98.00	1
1965	119.00	3
1966	158.00	22
1967	176.00	28
1968	180.00	29
1969	162.00	24
1970	138.00	11
1971	166.00	25
1972	122.00	6
1973	193.00	32
1974	155.00	19
1975	155.00	20
1976	155.00	21
1977	143.00	14
1978	146.00	15
1979	152.00	17
1980	155.00	18
1981	149.00	16
1982	226.00	34
1983	174.00	27
1984	167.00	26
1985	192.00	31

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1952	206.00	1
1953	108.00	33
1954	120.00	30
1955	181.00	7
1956	149.00	19
1957	110.00	32
1958	137.00	23
1959	134.00	24
1960	176.00	9
1961	116.00	31
1962	124.00	28
1963	120.00	29
1964	95.00	34
1965	132.00	26
1966	177.00	8
1967	174.00	10
1968	174.00	11
1969	160.00	12
1970	146.00	21
1971	133.00	25
1972	149.00	20
1973	193.00	4
1974	154.00	15
1975	152.00	17
1976	159.00	13
1977	129.00	27
1978	159.00	14
1979	151.00	18
1980	153.00	16
1981	184.00	5
1982	203.00	2
1983	183.00	6
1984	143.00	22
1985	201.00	3

05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1951	*	*	*	*	*	*	*	*	*	*	*	*
1952	216.00	291.00	221.00	342.00	257.00	229.00	250.00	186.00	156.00	162.00	134.00	125.00
1953	75.30	94.50	118.00	134.00	130.00	155.00	135.00	135.00	104.00	75.20	74.80	64.40
1954	70.10	73.90	87.50	82.70	132.00	160.00	240.00	167.00	126.00	133.00	94.90	80.30
1955	294.00	211.00	207.00	272.00	193.00	233.00	183.00	143.00	149.00	108.00	86.80	85.90
1956	185.00	165.00	127.00	110.00	152.00	185.00	158.00	304.00	139.00	101.00	89.50	71.60
1957	75.00	79.40	91.70	106.00	127.00	112.00	201.00	165.00	116.00	88.80	74.40	81.60
1958	117.00	158.00	203.00	155.00	136.00	218.00	128.00	98.40	122.00	95.20	120.00	87.20
1959	76.90	94.70	83.00	89.90	226.00	314.00	234.00	164.00	101.00	91.20	77.90	64.70
1960	150.00	201.00	171.00	223.00	258.00	205.00	270.00	159.00	179.00	116.00	101.00	86.00
1961	89.30	90.30	77.50	78.00	110.00	167.00	210.00	154.00	120.00	96.20	93.30	113.00
1962	118.00	124.00	112.00	108.00	109.00	246.00	179.00	114.00	128.00	101.00	69.70	79.30
1963	116.00	128.00	94.50	79.30	76.30	293.00	160.00	140.00	110.00	94.00	76.70	67.70
1964	70.30	74.80	77.70	90.80	86.40	132.00	146.00	112.00	117.00	109.00	63.10	65.30
1965	73.40	67.30	117.00	160.00	158.00	235.00	270.00	148.00	85.00	70.90	68.30	130.00
1966	190.00	147.00	232.00	183.00	185.00	194.00	205.00	270.00	133.00	115.00	161.00	102.00
1967	92.50	145.00	286.00	138.00	175.00	283.00	300.00	211.00	177.00	109.00	82.40	86.10
1968	137.00	200.00	204.00	169.00	297.00	198.00	186.00	137.00	194.00	160.00	104.00	105.00
1969	116.00	161.00	197.00	216.00	206.00	164.00	246.00	176.00	140.00	126.00	95.10	83.10
1970	122.00	152.00	126.00	115.00	136.00	139.00	277.00	199.00	150.00	130.00	99.00	111.00
1971	158.00	187.00	167.00	130.00	172.00	215.00	138.00	117.00	84.00	64.20	64.60	104.00
1972	99.50	96.30	183.00	173.00	129.00	207.00	201.00	191.00	109.00	113.00	99.00	185.00
1973	206.00	230.00	238.00	320.00	208.00	209.00	267.00	190.00	180.00	117.00	86.60	67.10
1974	99.90	115.00	141.00	194.00	185.00	215.00	213.00	215.00	189.00	125.00	77.90	83.90
1975	92.60	130.00	118.00	199.00	198.00	226.00	233.00	172.00	171.00	96.70	93.60	98.50
1976	85.10	95.40	154.00	111.00	215.00	334.00	183.00	205.00	159.00	160.00	122.00	84.60
1977	96.90	121.00	110.00	87.50	126.00	255.00	188.00	110.00	94.70	113.00	80.90	173.00
1978	134.00	104.00	210.00	138.00	124.00	277.00	304.00	186.00	130.00	125.00	90.50	82.40
1979	96.20	102.00	111.00	128.00	103.00	358.00	273.00	193.00	140.00	94.50	124.00	90.50
1980	120.00	151.00	197.00	162.00	139.00	180.00	211.00	123.00	181.00	95.50	131.00	152.00
1981	138.00	107.00	166.00	112.00	227.00	159.00	207.00	280.00	298.00	207.00	167.00	150.00
1982	169.00	186.00	192.00	202.00	178.00	471.00	272.00	199.00	168.00	169.00	124.00	104.00
1983	104.00	183.00	283.00	164.00	165.00	159.00	299.00	327.00	180.00	139.00	97.50	91.30
1984	106.00	115.00	154.00	112.00	201.00	180.00	195.00	194.00	171.00	118.00	87.20	88.20
1985	157.00	165.00	208.00	231.00	263.00	426.00	310.00	167.00	152.00	120.00	110.00	103.00

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

91.70	96.10	112.00	110.00	129.00	166.00
-------	-------	--------	--------	--------	--------

## FIFTIETH PERCENTILE

116.00	129.00	160.00	138.00	169.00	212.00
--------	--------	--------	--------	--------	--------

## SEVENTY FIFTH PERCENTILE

152.00	170.00	205.00	195.00	207.00	261.00
--------	--------	--------	--------	--------	--------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

183.00	140.00	117.00	95.50	77.90	60.30
--------	--------	--------	-------	-------	-------

## FIFTIETH PERCENTILE

211.00	172.00	140.00	113.00	93.60	87.20
--------	--------	--------	--------	-------	-------

## SEVENTY FIFTH PERCENTILE

270.00	199.00	177.00	126.00	110.00	105.00
--------	--------	--------	--------	--------	--------

## 05515400 KINGSBURY CREEK NEAR LAPORTE, IN

LOCATION.--Lat 41°32'49", long 86°43'48", in SW¼SE¼ sec.23, T.36 N., R.3 W., LaPorte County, Hydrologic Unit 07120001, on left bank at upstream side of bridge on County Road 400 South, 0.5 mi east of State Highway 39, 1.5 mi west of U.S. Highway 35, and 3 mi south of LaPorte city limits.

DRAINAGE AREA.--7.08 mi<sup>2</sup>, of which 4.07 mi<sup>2</sup> does not contribute directly to surface run-off.

PERIOD OF RECORD.--October 1970 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 753.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--15 years, 4.25 ft<sup>3</sup>/s, 8.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 306 ft<sup>3</sup>/s July 26, 1981, gage height, 6.83 ft from rating curve extended above 20 ft<sup>3</sup>/s on the basis of contracted-opening measurement at gage height 6.18 ft; minimum daily, 0.83 ft<sup>3</sup>/s Dec. 3, 1971.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1971					17	18	16	18	27	24	14	38	54	60	23	22	13	7	3	5	1	2	1	1			1									
1972		5	10	4	5	11	8	6	32	47	32	50	39	30	23	35	14	1	2	2	4	2		1		2				1						
1973														22	26	28	36	42	60	84	36	14	6	7	1	1	1		1	1						
1974									32	11	19	32	71	31	45	44	46	19	6	3	3	1	1	1												
1975								17	56	34	18	38	40	47	49	27	14	7	6	5	3	3					1									
1976					4	14	7	16	19	21	65	37	46	25	27	31	14	15	11	4	3	2	3			1			1							
1977		1	18	23	21	8	30	36	40	66	31	24	25	18	13	5			1	4	1															
1978			1	42	55	28	31	29	20	22	15	36	19	22	11	16	6	2	3	4	2	1														
1979				37	32	46	37	25	20	32	16	17	11	9	16	26	14	16	6	2	1	1					1									
1980			1	43	18	30	69	53	36	21	23	20	15	13	8	6	2	1	1	1	2					2	1									
1981					1	36	37	30	41	14	4	13	28	32	36	30	18	16	7	6	3	3	2	2	1	2		2				1				
1982										2	10	17	33	80	67	49	21	13	13	12	15	14	6	5	2	2	2	1			2				1	
1983									15	11	34	26	23	24	66	58	23	27	24	12	9	2	3	2	1	2	1	1	1							
1984									1	64	75	35	24	28	39	42	29	8	6	6	2	3	1	1	1										1	
1985									26	52	42	33	39	34	37	22	10	17	15	9	11	5	2	2	4	1		1		1			1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5479	100.00	12	3.3	457	3121	56.96	24	15.0	13	51	0.93
1	0.83	5	5479	100.00	13	3.7	484	2664	48.62	25	17.0	13	38	0.69
2	0.94	10	5474	99.91	14	4.2	519	2180	39.79	26	19.0	7	25	0.46
3	1.1	5	5464	99.73	15	4.8	464	1661	30.32	27	22.0	7	18	0.33
4	1.2	43	5459	99.63	16	5.4	331	1197	21.85	28	25.0	3	11	0.20
5	1.4	214	5416	98.85	17	6.2	232	866	15.81	29	28.0	3	8	0.15
6	1.6	201	5202	94.94	18	7.0	179	634	11.57	30	31.0	1	5	0.09
7	1.8	190	5001	91.28	19	7.9	176	455	8.30	31	36.0	0	4	0.07
8	2.0	413	4811	87.81	20	9.0	102	279	5.09	32	40.0	1	4	0.07
9	2.3	419	4398	80.27	21	10.0	61	177	3.23	33	46.0	1	3	0.05
10	2.6	377	3979	72.62	22	12.0	37	116	2.12	34	52.0	2	2	0.04
11	2.9	481	3602	65.74	23	13.0	28	79	1.44					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	1.6
P90 =	1.9
P75 =	2.5
P70 =	2.7
P50 =	3.6
P25 =	5.2
P10 =	7.4

## 05515400 KINGSBURY CREEK NEAR LAPORTE, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1972	0.83 1	0.87 1	0.92 1	0.96 1	1.10 1	1.50 1	1.90 3	2.00 4	2.00 3
1973	2.00 11	2.00 11	2.10 10	2.10 9	2.40 9	2.50 9	2.80 10	2.90 10	4.00 11
1974	2.70 14	2.80 14	3.00 14	3.00 13	3.30 13	3.50 13	3.60 13	3.70 13	4.00 12
1975	1.90 8	1.90 8	1.90 7	1.90 7	2.00 7	2.10 6	2.20 5	2.30 5	2.40 6
1976	2.10 12	2.10 12	2.30 12	2.40 10	2.50 10	2.90 11	3.20 11	3.10 11	3.40 10
1977	1.50 4	1.50 4	1.60 6	1.60 6	1.70 6	2.20 7	2.60 8	2.70 8	2.80 7
1978	1.10 2	1.19 2	1.19 2	1.30 2	1.50 2	1.60 2	1.70 1	1.70 1	1.90 1
1979	1.50 5	1.50 5	1.50 4	1.50 3	1.50 3	1.70 4	1.90 4	1.90 3	2.00 2
1980	1.50 6	1.50 6	1.50 5	1.50 4	1.60 5	2.00 5	2.30 6	2.40 6	2.30 5
1981	1.30 3	1.40 3	1.40 3	1.50 5	1.50 4	1.60 3	1.80 2	1.80 2	2.20 4
1982	1.70 7	1.80 7	2.00 8	3.30 14	4.10 14	4.40 14	4.70 14	5.10 14	5.20 14
1983	2.60 13	2.60 13	2.70 13	2.80 12	2.80 12	3.10 12	3.40 12	3.70 12	4.30 13
1984	2.00 9	2.00 9	2.00 9	2.10 8	2.30 8	2.50 8	2.60 7	2.70 7	2.80 8
1985	2.00 10	2.00 10	2.20 11	2.40 11	2.60 11	2.70 10	2.70 9	2.80 9	3.30 9

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1971	19.00 11	11.00 12	7.70 14	6.30 14	5.90 12	5.60 11	4.90 12	4.50 12	4.40 12
1972	26.00 7	14.00 8	11.00 8	8.50 7	5.90 13	4.90 14	4.60 14	4.30 13	4.00 13
1973	27.00 5	18.00 6	15.00 3	11.00 3	10.00 3	9.50 3	9.30 2	9.30 2	9.00 1
1974	14.00 14	11.00 13	8.50 13	7.10 12	6.20 10	6.00 10	5.90 9	5.90 9	5.30 8
1975	19.00 12	13.00 9	9.20 11	7.70 11	6.10 11	5.30 12	5.00 11	4.80 11	4.70 10
1976	23.00 8	17.00 7	14.00 4	11.00 4	9.50 4	7.90 5	7.30 5	6.70 5	5.80 5
1977	10.00 15	8.50 15	6.80 15	6.00 15	5.60 14	5.30 13	4.80 13	4.30 14	3.80 14
1978	14.00 13	11.00 14	9.90 10	8.10 10	6.90 8	6.20 8	5.90 10	5.40 10	4.50 11
1979	21.00 9	13.00 10	10.00 9	8.50 8	8.00 6	7.40 6	6.90 6	6.20 6	5.20 9
1980	19.00 10	12.00 11	9.00 12	6.40 13	5.30 15	4.40 15	4.00 15	3.70 15	3.50 15
1981	35.00 4	19.00 4	12.00 7	8.20 9	6.80 9	6.20 9	6.10 8	6.00 8	5.50 6
1982	52.00 2	33.00 2	25.00 1	18.00 1	15.00 1	12.00 1	11.00 1	9.60 1	8.10 2
1983	26.00 6	18.00 5	13.00 6	10.00 5	9.30 5	8.70 4	7.70 4	7.00 4	6.40 4
1984	55.00 1	25.00 3	14.00 5	9.30 6	7.70 7	6.60 7	6.30 7	6.10 7	5.40 7
1985	47.00 3	36.00 1	23.00 2	18.00 2	13.00 2	11.00 2	8.80 3	7.70 3	6.60 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1972	2.80 3
1973	5.90 13
1974	5.70 12
1975	3.50 4
1976	4.50 9
1977	3.90 7
1978	2.50 1
1979	3.50 5
1980	3.50 6
1981	2.70 2
1982	6.00 14
1983	5.60 11
1984	4.40 8
1985	5.10 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	3.50 11
1972	3.50 12
1973	7.40 1
1974	4.20 6
1975	3.70 9
1976	4.30 5
1977	3.10 14
1978	3.20 13
1979	3.60 10
1980	2.90 15
1981	3.90 8
1982	6.40 2
1983	5.10 3
1984	4.10 7
1985	4.70 4

## 05515400 KINGSBURY CREEK NEAR LAPORTE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1971	3.93	4.26	3.84	3.15	5.70	5.35	3.78	2.70	2.40	1.96	1.44	3.30
1972	2.24	1.28	2.86	3.65	3.23	4.41	4.86	4.28	2.87	2.56	3.28	5.95
1973	5.92	7.66	8.04	9.41	7.92	8.66	10.10	8.79	8.00	5.93	4.74	4.02
1974	3.67	3.36	4.06	5.02	5.08	5.51	6.24	5.59	4.31	3.24	2.46	2.52
1975	2.23	2.37	2.06	3.15	3.82	3.98	4.67	4.94	5.34	3.25	5.50	3.59
1976	2.98	3.33	3.70	2.76	4.26	9.39	6.23	5.85	4.54	3.87	2.85	1.79
1977	3.29	3.23	2.61	2.90	4.05	5.45	4.51	2.96	2.55	2.03	1.47	2.10
1978	1.68	1.87	2.93	1.68	1.52	4.42	5.64	6.16	4.31	3.20	3.10	2.35
1979	1.98	2.02	2.08	1.89	1.71	6.81	7.58	6.07	3.97	2.58	4.08	2.33
1980	2.14	2.72	2.99	2.09	1.93	4.00	4.58	2.36	3.73	1.70	4.04	3.01
1981	2.20	1.61	2.13	1.58	3.49	2.60	5.86	5.47	6.22	5.66	4.59	5.36
1982	5.55	5.99	5.08	4.93	4.36	12.80	10.90	7.62	6.06	5.99	4.28	3.41
1983	2.80	4.84	6.15	4.50	5.01	5.09	8.46	8.83	4.49	5.35	2.91	2.56
1984	2.67	2.92	3.25	2.50	4.38	4.72	5.56	5.88	7.29	4.30	3.10	2.72
1985	2.68	3.09	3.85	5.23	8.21	9.64	7.69	4.64	3.66	2.91	2.62	2.64

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
2.20	2.02	2.61	2.09	3.23	4.41
FIFTIETH PERCENTILE					
2.68	3.09	3.25	3.15	4.26	5.35
SEVENTY FIFTH PERCENTILE					
3.67	4.26	4.06	4.93	5.08	8.66
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
4.67	4.28	3.66	2.56	2.62	2.35
FIFTIETH PERCENTILE					
5.86	5.59	4.31	3.24	3.10	2.72
SEVENTY FIFTH PERCENTILE					
7.69	6.16	6.06	5.35	4.28	3.59

## 05515500 KANKAKEE RIVER AT DAVIS, IN

LOCATION.--Lat 41°24'00", long 86°42'04", in SE¼NE¼ sec.13, T.34 N., R.3 W., Starke County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on U.S. Highway 30 at Davis, 0.5 mi downstream from Mill Creek, 4 mi east of Hanna, and at mile 110.9.

DRAINAGE AREA.--537 mi<sup>2</sup>, of which 137 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--July 1905 to July 1906 and October 1924 to September 1985. Monthly discharge only for some periods, published in WSP 1308.

GAGE.--Water-stage recorder. Datum of gage is 664.68 ft above National Geodetic Vertical Datum of 1929. July 13, 1905, to July 21, 1906, nonrecording gage at site 50 ft downstream at different datum. July 28, 1925, to May 18, 1929, nonrecording gage on bridge 0.5 mi downstream at different datum. Apr. 19, 1931, to Nov. 3, 1953, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--61 years, (1924 to 1985), 506 ft<sup>3</sup>/s, 12.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,920 ft<sup>3</sup>/s Mar. 20, 1982; maximum gage height, 13.52 ft Mar. 5, 1985; minimum daily discharge, 154 ft<sup>3</sup>/s Aug. 30 to Sept. 3, 1941.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1926							18	13	10	55	40	49	43	39	18	20	17	7	7	6	5	5	3	2	4	2	1	1								
1927									1	14	21	73	33	46	25	26	30	21	20	12	17	8	7	2	3	3	3									
1928												13	33	53	48	30	23	31	46	17	18	10	7	6	6	4	3	2	2	4	5	4	1			
1932					18	32	12	12	25	32	29	9	30	21	44	28	22	17	5	10	9	2	4	1	4											
1933					3	16	25	15	17	42	33	17	37	10	26	12	14	13	15	9	13	9	11	5	10	9	4									
1934	4	18	16		25	19	10	34	54	59	73	14	13	9	4	1	1	4	2	1	3	1														
1935					3	2	17	17	36	32	32	18	19	9	32	26	25	13	13	13	14	13	10	5	6	4	3	2	1							
1936		9	11	18	25	25	31	47	11	18	6	31	37	29	15	21	16	1	3	2		2	3	2		3										
1937					10	17	20	38	5	56	21	30	14	55	15	26	6	11	10	9	11	4	3	3		1										
1938					4		10	30	50	31	31	7	33	15	21	16	21	13	26	20	12	5	5	5	4	4	2									
1939						10	21	6	1	79	39	32	32	21	15	22	9	8	7	4	10	15	9	10	3	6	5	1								
1940					13	11	27	77	44	40	23	23	15	20	12	19	12	7	6	5	5	1	1	1		1	1	2								
1941	9	37	7	10	12	12	15	15	51	14	42	50	43	29	11	4	1	1	2																	
1942		2	1		1			9	24	15	19	29	24	42	19	41	19	17	16	15	13	9	7	10	6	14	7	6								
1943									22	10	35	22	22	25	37	23	38	20	21	15	13	5	14	6	12	11	8	6								
1944					8	29	10	14	30	28	53	29	21	9	14	10	16	10	10	5	7	9	7	6	19	22										
1945					4	32	30	69	25	20	16	30	34	31	16	15	4	6	13	5	8	3	4													
1946					4	39	28	9	10	7	27	35	68	36	15	23	9	13	7	6	10	9	10													
1947					2	15	3	31	27	52	23	39	22	21	10	13	8	9	13	10	6	10	18	26	7											
1948					15	18	7	11	8	33	45	41	22	23	31	18	17	7	11	6	7	6	10	11	13	6										
1949					3	1	26	13	42	35	43	6	20	23	18	23	24	27	11	7	12	9	9	8	5											
1950					3	13	15	12	4	21	13	25	9	9	5	9	14	13	17	28	30	22	19	33	28	16	7									
1951												16	59	43	37	19	24	16	30	30	30	24	13	13	5	6										
1952									23	14	8	17	11	22	12	6	9	6	33	36	24	24	25	23	15	27	23	7	1							
1953					2	1	25	17	10	58	29	22	45	26	48	29	31	12	3	1	1	3	1	1												
1954					4	22	7	41	20	32	33	14	22	10	25	21	19	19	4	18	9	11	10	6	5	4	4	4								
1955								9	17	21	9	12	17	13	15	12	25	35	28	19	25	23	11	14	9	15	6	10	5	7	6	2				
1956					9	11	8	8	11	35	21	44	34	37	31	29	20	8	11	6	8	9	4	3	5	3	4	7								
1957					20	49	38	54	28	12	23	33	17	14	11	16	11	17	7	4	2	1	1	1	2	1	3									
1958					15			21	37	17	38	29	34	25	24	42	12	15	14	7	9	7	10	1	7	1										
1959					14	1	12	5	52	32	35	29	15	17	15	7	13	18	10	5	10	3	10	9	13	9	25	6								
1960									12	17	8	19	17	13	19	17	41	33	33	33	25	13	7	15	13	10	13	3	5							
1961					3	4	14	5	4	20	56	62	22	25	26	25	17	11	21	11	10	5	8	4	1	1	2	4	4							
1962					2	12	31	9	5	26	10	18	50	60	35	36	9	10	9	3	7	3	7	1	3	7	7	5								
1963					4	7	6	11	10	18	27	33	30	38	9	34	25	20	11	16	22	5	3	4	4	5	11	8								
1964					21	17	12	14	28	56	29	47	9	27	9	27	18	13	8	11	9	5	3	3												
1965					1	6	34		44	14	22	7	24	6	8	17	18	14	14	7	17	9	11	15	15	14	14	9	23	2						
1966									9	19	9	22	21	24	22	39	30	23	25	31	18	15	14	17	9	18										
1967								11	15	21	41	9	19	6	14	12	24	26	37	14	10	13	9	8	24	23	20	9								
1968									35	5	16	27	45	39	30	25	18	28	20	20	11	8	8	7	9	10	5									
1969								18	20	4	8	47	10	21	26	39	20	23	29	13	20	16	10	15	7	9	6	4								
1970								5	1	25	16	45	50	67	18	27	25	14	10	10	8	8	5	8	3	5	15									
1971					2	11	28	19	14	15	23	20	14	21	33	20	37	24	23	15	11	12	8	7	3	3	2									
1972									34	24	17	15	30	13	49	18	18	13	18	25	19	15	16	3	9	8	14	6	1	1						
1973									5	19	11	11	9	17	5	6	4	9	23	26	27	32	43	41	15	27	14	10	5	6						
1974					10	17	10	12	6	15	25	24	23	30	11	10	9	18	31	22	18	14	12	11	7	9	10	10	1							
1975								8	27	11	21	45	39	28	15	19	24	22	23	17	16	13	3	7	5	7	7	4	4							



DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30																														
1976				1	47	29	20	16	46	17	21	32	26	16	11	11	8	5	11	7	8	11	7	7	5	4				
1977	8	15	10	23	47	62	44	27	12	11	20	13	10	11	14	9	5	9	2	5	4	1	3							
1978			13	18	15	11	13	47	74	22	28	19	9	12	9	19	7	2	7	5	4	4	2	4	10	11				
1979			9	39	57	37	38	30	26	12	17	11	7	5	8	8	3	3	10	10	9	10	6	2	2	6				
1980	2	4	7	11	5	6	30	30	51	29	45	36	28	17	18	20	11	4	10	5	1	2								
1981						14	15	16	68	39	32	16	22	17	17	19	17	14	10	8	12	8	6	3	7	5				
1982							10	10	16	18	39	48	41	35	26	17	23	12	14	6	6	3	14	7	4	2	5	8	1	
1983			13	12	6	16	19	31	12	15	19	39	38	14	21	23	11	17	9	13	7	7	4	4	4	2	1			
1984	9	8	12	12	18	64	44	18	15	23	20	19	18	15	19	12	11	5	9	3	1									
1985			1	10	43	20	13	13	23	23	39	27	21	12	20	9	9	7	3	5	7	11	7	10	16	14	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20820	100.00	12	350.0	1682	14826	71.21	24	880.0	501	2039	9.79
1	154.0	38	20820	100.00	13	380.0	1417	13144	63.13	25	950.0	333	1538	7.39
2	170.0	71	20782	99.82	14	410.0	1847	11727	56.33	26	1000.0	481	1205	5.79
3	180.0	62	20711	99.48	15	450.0	1134	9880	47.45	27	1100.0	328	724	3.48
4	190.0	148	20649	99.18	16	480.0	1290	8746	42.01	28	1200.0	171	396	1.90
5	210.0	159	20501	98.47	17	520.0	1075	7456	35.81	29	1300.0	77	225	1.08
6	220.0	463	20342	97.70	18	560.0	929	6381	30.65	30	1400.0	65	148	0.71
7	240.0	673	19879	95.48	19	600.0	899	5452	26.19	31	1500.0	57	83	0.40
8	260.0	834	19206	92.25	20	650.0	741	4553	21.87	32	1600.0	15	26	0.12
9	280.0	952	18372	88.24	21	700.0	712	3812	18.31	33	1700.0	10	11	0.05
10	300.0	1523	17420	83.67	22	760.0	608	3100	14.89	34	1900.0	1	1	0.00
11	330.0	1071	15897	76.35	23	820.0	453	2492	11.97					

P95 =	243.0
P90 =	271.0
P75 =	335.0
P70 =	354.0
P50 =	439.0
P25 =	614.0
P10 =	874.0

YEAR	1	3	7	14	30	60	90	120	183
1927	280.00 40	302.00 47	304.00 45	312.00 44	327.00 43	336.00 37	349.00 37	361.00 35	385.00 30
1928	316.00 51	316.00 51	322.00 51	324.00 50	333.00 48	354.00 45	374.00 44	413.00 47	466.00 49
1929	368.00 54	368.00 54	370.00 54	375.00 52	390.00 52	398.00 51	407.00 49	412.00 46	429.00 44
1933	228.00 20	228.00 20	228.00 19	228.00 17	234.00 15	243.00 12	260.00 13	281.00 15	306.00 15
1934	256.00 30	256.00 29	256.00 28	263.00 26	270.00 25	292.00 28	320.00 28	335.00 29	344.00 25
1935	168.00 4	172.00 5	177.00 6	177.00 4	185.00 3	206.00 4	227.00 5	250.00 6	268.00 5
1936	180.00 8	180.00 8	183.00 7	208.00 11	234.00 16	276.00 23	296.00 24	311.00 24	323.00 20
1937	171.00 5	171.00 4	173.00 4	178.00 5	189.00 5	203.00 3	213.00 3	228.00 3	280.00 9
1938	219.00 17	219.00 17	223.00 17	237.00 20	251.00 21	254.00 15	261.00 14	270.00 11	290.00 13
1939	279.00 39	284.00 39	290.00 37	296.00 37	308.00 36	315.00 34	325.00 30	329.00 26	337.00 24
1940	220.00 18	220.00 18	223.00 18	229.00 18	238.00 17	247.00 13	257.00 12	264.00 9	263.00 4
1941	197.00 11	197.00 9	199.00 9	202.00 8	212.00 9	233.00 7	240.00 7	250.00 7	282.00 10
1942	154.00 1	154.00 1	156.00 1	163.00 1	169.00 1	176.00 1	192.00 1	218.00 2	271.00 6
1943	275.00 38	275.00 35	280.00 34	282.00 34	293.00 32	309.00 31	323.00 29	338.00 30	362.00 26
1944	310.00 50	313.00 50	318.00 50	320.00 48	331.00 45	353.00 44	369.00 43	390.00 43	402.00 37
1945	228.00 19	228.00 19	231.00 20	237.00 19	249.00 20	258.00 16	283.00 20	288.00 17	288.00 12
1946	230.00 21	230.00 21	236.00 21	268.00 29	332.00 46	392.00 50	398.00 48	398.00 44	417.00 42
1947	240.00 24	240.00 23	240.00 22	241.00 21	248.00 19	259.00 17	263.00 15	279.00 13	313.00 17
1948	305.00 49	305.00 49	311.00 46	318.00 47	335.00 49	379.00 49	436.00 53	430.00 50	447.00 46
1949	247.00 27	247.00 26	248.00 23	259.00 24	262.00 23	268.00 20	277.00 18	283.00 16	315.00 18
1950	208.00 14	208.00 13	217.00 14	227.00 16	230.00 11	247.00 14	266.00 16	273.00 12	303.00 14
1951	378.00 55	378.00 55	381.00 55	386.00 55	391.00 53	400.00 52	413.00 51	442.00 52	509.00 51
1952	355.00 52	362.00 52	369.00 52	383.00 54	395.00 54	416.00 54	439.00 54	480.00 54	537.00 53
1953	274.00 36	278.00 37	281.00 35	283.00 35	287.00 31	289.00 26	294.00 22	307.00 23	329.00 21
1954	195.00 9	197.00 10	199.00 10	205.00 9	210.00 8	222.00 6	229.00 6	240.00 5	254.00 3
1955	295.00 45	295.00 44	297.00 42	303.00 41	311.00 37	347.00 42	386.00 46	424.00 48	515.00 52

## 05515500 KANKAKEE RIVER AT DAVIS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1956	265.00 32	265.00 32	272.00 32	278.00 32	297.00 34	316.00 35	337.00 34	377.00 40	389.00 31
1957	218.00 16	218.00 16	220.00 16	225.00 14	230.00 12	239.00 10	247.00 8	256.00 8	271.00 7
1958	235.00 23	240.00 24	250.00 26	250.00 22	254.00 22	272.00 22	281.00 19	306.00 22	373.00 28
1959	268.00 33	268.00 33	268.00 31	268.00 30	268.00 24	281.00 24	294.00 23	296.00 19	330.00 22
1960	195.00 10	204.00 12	207.00 11	208.00 10	223.00 10	269.00 21	310.00 27	334.00 27	412.00 40
1961	200.00 12	202.00 11	211.00 12	217.00 12	246.00 18	261.00 19	287.00 21	299.00 21	309.00 16
1962	285.00 42	285.00 40	298.00 43	309.00 43	345.00 50	374.00 48	376.00 45	400.00 45	417.00 41
1963	160.00 3	160.00 2	164.00 3	173.00 3	207.00 6	242.00 11	255.00 10	280.00 14	287.00 11
1964	176.00 7	176.00 6	176.00 5	179.00 6	188.00 4	208.00 5	225.00 4	229.00 4	236.00 1
1965	158.00 2	160.00 3	162.00 2	164.00 2	179.00 2	188.00 2	208.00 2	210.00 1	253.00 2
1966	173.00 6	180.00 7	193.00 8	201.00 7	208.00 7	234.00 8	256.00 11	297.00 20	401.00 35
1967	287.00 43	288.00 41	292.00 40	300.00 39	307.00 35	314.00 33	346.00 36	362.00 36	406.00 38
1968	249.00 28	251.00 28	255.00 27	260.00 25	279.00 29	287.00 25	303.00 25	335.00 28	406.00 39
1969	300.00 48	302.00 45	313.00 48	314.00 45	328.00 44	357.00 46	365.00 42	383.00 42	450.00 47
1970	268.00 34	271.00 34	274.00 33	275.00 31	278.00 28	292.00 27	334.00 32	358.00 33	375.00 29
1971	250.00 29	260.00 30	291.00 38	321.00 49	332.00 47	359.00 47	397.00 47	428.00 49	473.00 50
1972	208.00 13	213.00 15	217.00 15	226.00 15	231.00 13	236.00 9	254.00 9	270.00 10	277.00 8
1973	299.00 46	303.00 48	315.00 49	325.00 51	351.00 51	427.00 55	430.00 52	453.00 53	596.00 55
1974	289.00 44	291.00 43	296.00 41	304.00 42	314.00 39	333.00 36	341.00 35	352.00 31	392.00 32
1975	211.00 15	211.00 14	215.00 13	217.00 13	231.00 14	260.00 18	268.00 17	291.00 18	320.00 19
1976	275.00 37	283.00 38	298.00 44	303.00 40	323.00 42	338.00 38	363.00 41	368.00 38	420.00 43
1977	299.00 47	302.00 46	311.00 47	315.00 46	321.00 40	343.00 39	350.00 38	371.00 39	368.00 27
1978	244.00 26	250.00 27	258.00 29	266.00 27	272.00 26	312.00 32	337.00 33	355.00 32	401.00 36
1979	260.00 31	263.00 31	268.00 30	282.00 33	294.00 33	307.00 30	309.00 26	312.00 25	336.00 23
1980	274.00 35	277.00 36	286.00 36	298.00 38	321.00 41	350.00 43	359.00 40	364.00 37	393.00 34
1981	233.00 22	239.00 22	248.00 24	268.00 28	281.00 30	346.00 40	411.00 50	436.00 51	433.00 45
1982	417.00 56	424.00 56	441.00 56	462.00 56	496.00 56	572.00 56	583.00 56	604.00 56	605.00 56
1983	364.00 53	365.00 53	370.00 53	376.00 53	399.00 55	415.00 53	453.00 55	491.00 55	547.00 54
1984	284.00 41	288.00 42	291.00 39	293.00 36	312.00 38	346.00 41	352.00 39	360.00 34	392.00 33
1985	243.00 25	245.00 25	249.00 25	257.00 23	278.00 27	303.00 29	332.00 31	381.00 41	454.00 48

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1926	1220.00 28	1060.00 44	961.00 45	872.00 43	742.00 48	665.00 46	598.00 50	573.00 47	514.00 48
1927	1190.00 35	1150.00 32	981.00 43	878.00 41	738.00 49	705.00 41	677.00 38	649.00 37	595.00 34
1928	1700.00 3	1680.00 2	1540.00 5	1460.00 5	1270.00 6	1050.00 9	919.00 13	840.00 10	752.00 14
1932	1020.00 48	1020.00 48	957.00 46	801.00 50	684.00 50	614.00 50	610.00 47	588.00 45	570.00 42
1933	1290.00 19	1250.00 19	1220.00 16	1150.00 16	981.00 21	924.00 17	828.00 23	743.00 25	671.00 27
1934	840.00 55	807.00 54	732.00 55	610.00 55	505.00 55	415.00 56	380.00 57	373.00 57	374.00 56
1935	1200.00 32	1150.00 33	997.00 41	824.00 49	753.00 45	654.00 47	668.00 39	646.00 38	586.00 36
1936	1080.00 45	1050.00 45	930.00 50	733.00 52	610.00 52	529.00 53	518.00 52	464.00 54	425.00 53
1937	1000.00 49	910.00 53	765.00 53	724.00 53	655.00 51	565.00 51	527.00 51	546.00 51	496.00 50
1938	1260.00 20	1210.00 27	1090.00 31	871.00 44	744.00 47	733.00 37	691.00 35	673.00 31	645.00 30
1939	1210.00 30	1170.00 30	1060.00 35	940.00 36	881.00 34	790.00 30	737.00 31	667.00 33	597.00 33
1940	1140.00 38	1100.00 39	945.00 49	750.00 51	606.00 53	543.00 52	510.00 53	483.00 52	413.00 54
1941	638.00 57	610.00 57	538.00 57	462.00 57	430.00 57	404.00 57	393.00 56	397.00 56	384.00 55
1942	1240.00 23	1230.00 23	1200.00 23	1110.00 19	1010.00 19	880.00 22	850.00 20	766.00 24	680.00 23
1943	1320.00 16	1310.00 14	1300.00 12	1270.00 9	1190.00 9	941.00 16	877.00 15	823.00 15	777.00 10
1944	1190.00 33	1170.00 31	1160.00 26	1140.00 17	1060.00 14	1020.00 11	927.00 11	836.00 12	677.00 24
1945	995.00 51	989.00 49	946.00 48	847.00 47	774.00 41	653.00 48	605.00 48	575.00 46	541.00 46
1946	938.00 52	938.00 51	898.00 51	864.00 45	795.00 38	671.00 45	644.00 44	603.00 44	544.00 44
1947	1140.00 39	1110.00 38	1080.00 33	1070.00 25	1020.00 16	979.00 13	926.00 12	818.00 16	691.00 19
1948	1220.00 29	1220.00 26	1210.00 18	1110.00 20	1020.00 17	905.00 19	871.00 17	800.00 20	686.00 21
1949	928.00 53	918.00 52	883.00 52	844.00 48	759.00 44	708.00 40	653.00 42	614.00 43	541.00 45
1950	1380.00 11	1360.00 11	1300.00 13	1270.00 10	1210.00 8	1130.00 3	1040.00 3	1020.00 1	966.00 1
1951	1080.00 46	1030.00 46	952.00 47	847.00 46	762.00 43	739.00 36	738.00 30	710.00 28	689.00 20
1952	1300.00 17	1280.00 16	1250.00 14	1200.00 12	1140.00 11	1000.00 12	955.00 7	927.00 5	687.00 4
1953	850.00 54	805.00 55	732.00 54	625.00 54	551.00 54	515.00 54	495.00 54	473.00 53	444.00 52
1954	1140.00 40	1130.00 36	1090.00 32	953.00 35	856.00 36	757.00 34	682.00 37	643.00 39	580.00 37
1955	1620.00 4	1610.00 4	1580.00 3	1510.00 3	1370.00 4	1080.00 7	972.00 6	925.00 6	874.00 5
1956	1240.00 24	1230.00 24	1190.00 25	1070.00 26	982.00 20	745.00 35	691.00 36	650.00 35	558.00 43
1957	1240.00 25	1230.00 25	1130.00 28	929.00 37	781.00 40	681.00 44	613.00 46	557.00 50	497.00 49
1958	1100.00 42	1070.00 42	998.00 40	913.00 38	765.00 42	647.00 49	651.00 43	621.00 41	579.00 38
1959	1150.00 36	1130.00 37	1100.00 30	1060.00 29	978.00 22	975.00 14	898.00 14	808.00 18	665.00 28
1960	1330.00 14	1330.00 13	1310.00 11	1180.00 13	1080.00 13	863.00 23	859.00 19	840.00 11	767.00 11

## 05515500 KANKAKEE RIVER AT DAVIS, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1961	1240.00 26	1240.00 20	1200.00 24	1070.00 27	897.00 31	698.00 42	659.00 40	616.00 42	538.00 47
1962	1240.00 27	1240.00 21	1210.00 19	1140.00 18	1040.00 15	825.00 26	710.00 34	649.00 36	579.00 39
1963	996.00 50	985.00 50	965.00 44	960.00 34	895.00 32	724.00 38	642.00 45	572.00 48	493.00 51
1964	699.00 56	675.00 56	579.00 56	538.00 56	494.00 56	461.00 55	419.00 55	399.00 55	363.00 57
1965	1100.00 43	1090.00 40	1030.00 38	961.00 33	931.00 27	897.00 20	841.00 21	788.00 21	680.00 22
1966	1080.00 44	1070.00 43	1060.00 36	1030.00 30	893.00 33	761.00 33	732.00 33	709.00 29	712.00 17
1967	1140.00 37	1140.00 34	1130.00 29	1080.00 22	1010.00 18	968.00 15	876.00 16	806.00 19	778.00 9
1968	1260.00 21	1260.00 18	1220.00 17	1070.00 23	915.00 30	799.00 29	766.00 27	729.00 27	672.00 26
1969	1240.00 22	1230.00 22	1200.00 20	1060.00 28	918.00 28	824.00 27	770.00 26	772.00 22	718.00 16
1970	1190.00 34	1180.00 29	1140.00 27	1020.00 31	977.00 23	883.00 21	781.00 25	703.00 30	613.00 32
1971	1050.00 47	1020.00 47	983.00 42	875.00 42	746.00 46	686.00 43	604.00 49	566.00 49	571.00 40
1972	1330.00 15	1190.00 28	1070.00 34	998.00 32	869.00 35	787.00 31	734.00 32	660.00 34	629.00 31
1973	1450.00 10	1430.00 10	1420.00 10	1270.00 11	1140.00 12	1030.00 10	998.00 4	961.00 4	931.00 2
1974	1300.00 18	1280.00 17	1200.00 21	1070.00 24	917.00 29	855.00 24	840.00 22	809.00 17	761.00 12
1975	1360.00 12	1290.00 15	1200.00 22	1180.00 14	938.00 25	820.00 28	784.00 24	766.00 23	694.00 18
1976	1530.00 8	1520.00 8	1490.00 8	1410.00 6	1290.00 5	1110.00 4	975.00 5	876.00 7	756.00 13
1977	1360.00 13	1340.00 12	1240.00 15	1100.00 21	953.00 24	849.00 25	750.00 29	669.00 32	570.00 41
1978	1560.00 7	1550.00 6	1520.00 6	1470.00 4	1420.00 3	1110.00 5	950.00 8	828.00 14	727.00 15
1979	1510.00 9	1510.00 9	1500.00 7	1380.00 7	1220.00 7	1080.00 6	944.00 9	831.00 13	676.00 25
1980	1130.00 41	1090.00 41	1020.00 39	905.00 39	828.00 37	721.00 39	656.00 41	623.00 40	588.00 35
1981	1570.00 6	1550.00 7	1460.00 9	1180.00 15	932.00 26	910.00 18	866.00 18	855.00 8	783.00 8
1982	1920.00 1	1880.00 1	1810.00 1	1730.00 1	1550.00 1	1290.00 2	1100.00 2	993.00 3	859.00 6
1983	1720.00 2	1670.00 3	1550.00 4	1300.00 8	1180.00 10	1070.00 8	930.00 10	853.00 9	831.00 7
1984	1200.00 31	1130.00 35	1030.00 37	897.00 40	790.00 39	766.00 32	754.00 28	733.00 26	655.00 29
1985	1610.00 5	1600.00 5	1590.00 2	1560.00 2	1440.00 2	1360.00 1	1130.00 1	1020.00 2	890.00 3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1927	462.00 19
1928	625.00 49
1929	529.00 36
1933	408.00 12
1934	453.00 18
1935	367.00 4
1936	424.00 14
1937	375.00 6
1938	407.00 11
1939	494.00 24
1940	374.00 5
1941	364.00 3
1942	447.00 16
1943	510.00 32
1944	557.00 39
1945	444.00 15
1946	520.00 34
1947	383.00 7
1948	609.00 47
1949	502.00 25
1950	504.00 26
1951	694.00 53
1952	701.00 54
1953	467.00 21
1954	347.00 2
1955	693.00 52
1956	465.00 20
1957	392.00 8
1958	504.00 27
1959	450.00 17
1960	576.00 42
1961	469.00 22
1962	514.00 33
1963	397.00 10
1964	327.00 1
1965	411.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1926	422.00 47
1927	494.00 31
1928	604.00 10
1932	445.00 41
1933	508.00 29
1934	331.00 55
1935	445.00 42
1936	344.00 53
1937	402.00 49
1938	494.00 32
1939	456.00 39
1940	334.00 54
1941	313.00 56
1942	537.00 21
1943	602.00 11
1944	511.00 27
1945	428.00 46
1946	444.00 43
1947	541.00 20
1948	534.00 22
1949	416.00 48
1950	730.00 2
1951	575.00 15
1952	690.00 4
1953	370.00 52
1954	431.00 45
1955	663.00 5
1956	467.00 37
1957	385.00 51
1958	482.00 34
1959	482.00 35
1960	625.00 9
1961	433.00 44
1962	466.00 38
1963	388.00 50
1964	293.00 57

## 05515500 KANKAKEE RIVER AT DAVIS, IN--Cont inued

## ANNUAL VALUES--Cont inued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	558.00	40
1967	570.00	41
1968	583.00	45
1969	549.00	38
1970	477.00	23
1971	579.00	43
1972	394.00	9
1973	752.00	56
1974	588.00	46
1975	509.00	29
1976	610.00	48
1977	509.00	30
1978	506.00	28
1979	529.00	37
1980	521.00	35
1981	510.00	31
1982	748.00	55
1983	674.00	51
1984	582.00	44
1985	648.00	50

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	487.00	33
1966	584.00	13
1967	579.00	14
1968	566.00	16
1969	560.00	18
1970	507.00	30
1971	447.00	40
1972	528.00	24
1973	755.00	1
1974	554.00	19
1975	531.00	23
1976	585.00	12
1977	475.00	36
1978	562.00	17
1979	510.00	28
1980	512.00	26
1981	630.00	8
1982	713.00	3
1983	663.00	6
1984	517.00	25
1985	652.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1926	262.00	346.00	339.00	389.00	468.00	564.00	712.00	449.00	485.00	359.00	332.00	369.00
1927	395.00	426.00	435.00	396.00	637.00	569.00	723.00	659.00	569.00	409.00	358.00	374.00
1928	530.00	631.00	1191.0	810.00	648.00	598.00	624.00	461.00	471.00	440.00	432.00	403.00
1929	399.00	457.00	497.00	722.00	545.00	896.00	*	*	*	*	*	*
1932	344.00	614.00	553.00	608.00	530.00	566.00	528.00	393.00	322.00	367.00	279.00	235.00
1933	292.00	341.00	496.00	523.00	491.00	624.00	858.00	965.00	440.00	463.00	305.00	287.00
1934	401.00	367.00	355.00	349.00	312.00	325.00	501.00	296.00	248.00	205.00	271.00	347.00
1935	271.00	303.00	291.00	472.00	478.00	733.00	513.00	700.00	579.00	372.00	346.00	283.00
1936	272.00	417.00	373.00	354.00	355.00	525.00	440.00	471.00	284.00	219.00	196.00	230.00
1937	330.00	425.00	357.00	631.00	476.00	449.00	608.00	450.00	321.00	278.00	256.00	256.00
1938	325.00	308.00	353.00	382.00	674.00	691.00	710.00	580.00	560.00	660.00	338.00	359.00
1939	308.00	322.00	346.00	352.00	594.00	809.00	762.00	463.00	537.00	432.00	315.00	240.00
1940	260.00	274.00	288.00	243.00	277.00	399.00	446.00	601.00	475.00	279.00	216.00	252.00
1941	267.00	310.00	381.00	400.00	372.00	376.00	430.00	337.00	305.00	235.00	174.00	179.00
1942	441.00	631.00	491.00	428.00	820.00	928.00	804.00	507.00	393.00	335.00	395.00	300.00
1943	320.00	453.00	475.00	641.00	740.00	775.00	613.00	1057.0	767.00	508.00	432.00	447.00
1944	353.00	491.00	382.00	338.00	440.00	851.00	1043.0	836.00	539.00	342.00	266.00	253.00
1945	329.00	306.00	303.00	274.00	369.00	466.00	536.00	764.00	507.00	422.00	493.00	366.00
1946	444.00	424.00	365.00	615.00	505.00	789.00	487.00	412.00	448.00	319.00	264.00	257.00
1947	287.00	376.00	391.00	436.00	458.00	471.00	967.00	931.00	843.00	429.00	340.00	573.00
1948	403.00	428.00	515.00	489.00	518.00	878.00	809.00	887.00	510.00	396.00	310.00	263.00
1949	275.00	305.00	351.00	609.00	721.00	604.00	518.00	429.00	379.00	320.00	249.00	254.00
1950	300.00	316.00	557.00	886.00	838.00	1019.0	1203.0	769.00	1057.0	839.00	561.00	430.00
1951	396.00	421.00	588.00	725.00	672.00	671.00	744.00	731.00	513.00	588.00	434.00	418.00
1952	592.00	873.00	740.00	1085.0	910.00	791.00	913.00	680.00	651.00	415.00	348.00	294.00
1953	290.00	308.00	365.00	399.00	406.00	539.00	473.00	465.00	371.00	301.00	298.00	232.00
1954	217.00	244.00	282.00	276.00	449.00	563.00	794.00	619.00	519.00	518.00	383.00	314.00
1955	1162.0	915.00	668.00	896.00	697.00	826.00	689.00	531.00	545.00	393.00	326.00	306.00
1956	511.00	477.00	389.00	338.00	490.00	597.00	490.00	938.00	474.00	360.00	300.00	237.00
1957	242.00	266.00	287.00	330.00	398.00	380.00	677.00	668.00	479.00	338.00	294.00	273.00
1958	366.00	511.00	660.00	589.00	481.00	713.00	467.00	356.00	508.00	349.00	473.00	311.00
1959	275.00	319.00	289.00	374.00	754.00	957.00	835.00	621.00	439.00	398.00	306.00	241.00
1960	525.00	709.00	591.00	715.00	904.00	646.00	1035.0	617.00	629.00	438.00	394.00	324.00
1961	316.00	349.00	299.00	268.00	359.00	610.00	673.00	680.00	451.00	353.00	407.00	433.00
1962	431.00	455.00	424.00	457.00	470.00	923.00	703.00	463.00	438.00	324.00	249.00	260.00
1963	348.00	367.00	283.00	235.00	249.00	831.00	571.00	495.00	365.00	376.00	303.00	218.00
1964	198.00	266.00	236.00	265.00	236.00	395.00	484.00	370.00	316.00	362.00	192.00	197.00
1965	235.00	230.00	431.00	606.00	662.00	854.00	922.00	595.00	347.00	254.00	224.00	505.00
1966	584.00	512.00	683.00	767.00	625.00	686.00	646.00	850.00	509.00	413.00	411.00	317.00
1967	320.00	473.00	908.00	537.00	626.00	820.00	997.00	771.00	534.00	388.00	292.00	284.00
1968	397.00	558.00	694.00	522.00	899.00	685.00	687.00	470.00	538.00	602.00	399.00	363.00
1969	363.00	472.00	621.00	714.00	812.00	573.00	905.00	682.00	530.00	453.00	345.00	278.00
1970	386.00	476.00	408.00	368.00	441.00	456.00	968.00	791.00	573.00	445.00	349.00	433.00

05515500 KANKAKEE RIVER AT DAVIS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1971	535.00	600.00	524.00	414.00	594.00	733.00	471.00	393.00	310.00	244.00	232.00	327.00
1972	285.00	277.00	499.00	607.00	431.00	647.00	795.00	747.00	401.00	479.00	440.00	718.00
1973	861.00	935.00	900.00	1108.0	793.00	846.00	993.00	700.00	745.00	471.00	396.00	314.00
1974	352.00	367.00	480.00	702.00	686.00	859.00	774.00	873.00	651.00	397.00	250.00	270.00
1975	290.00	377.00	359.00	561.00	600.00	713.00	854.00	680.00	758.00	393.00	401.00	407.00
1976	328.00	370.00	624.00	456.00	834.00	1233.0	694.00	691.00	558.00	501.00	412.00	326.00
1977	361.00	410.00	403.00	335.00	563.00	860.00	747.00	494.00	362.00	372.00	281.00	521.00
1978	470.00	404.00	686.00	465.00	419.00	848.00	1211.0	722.00	483.00	396.00	312.00	313.00
1979	302.00	325.00	369.00	413.00	335.00	1149.0	963.00	691.00	470.00	342.00	418.00	325.00
1980	376.00	456.00	581.00	525.00	467.00	634.00	780.00	492.00	532.00	321.00	468.00	520.00
1981	437.00	354.00	554.00	425.00	683.00	580.00	754.00	897.00	904.00	685.00	724.00	566.00
1982	619.00	636.00	639.00	617.00	587.00	1328.0	1218.0	713.00	613.00	631.00	534.00	415.00
1983	416.00	701.00	989.00	638.00	618.00	606.00	1049.0	1067.0	577.00	591.00	366.00	337.00
1984	370.00	379.00	524.00	384.00	650.00	698.00	756.00	721.00	667.00	452.00	306.00	307.00
1985	476.00	566.00	681.00	781.00	684.00	1376.0	1213.0	582.00	461.00	346.00	332.00	330.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
290.00	321.00	357.00	373.00	441.00	568.00
FIFTIETH PERCENTILE					
353.00	414.00	455.00	469.00	554.00	689.00
SEVENTY FIFTH PERCENTILE					
433.00	496.00	599.00	633.00	683.00	849.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
554.00	468.00	420.00	340.00	280.00	259.00
FIFTIETH PERCENTILE					
744.00	659.00	508.00	393.00	332.00	314.00
SEVENTY FIFTH PERCENTILE					
909.00	756.00	571.00	453.00	404.00	389.00

## 05516000 YELLOW RIVER NEAR BREMEN, IN

LOCATION.--Lat 41°25'11", long 86°10'14", in NW¼NW¼ sec.10, T.34 N., R.3 E., Marshall County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on East 4th Road, 0.5 mi downstream from Bunch ditch, 2 mi southwest of Bremen, and 4 mi upstream from Dausman ditch.

DRAINAGE AREA.--135 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1955 to September 1973 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gaertical Datum of 1929 ( and Water Resources Commission).

AVERAGE DISCHARGE.--18 years, 104 ft<sup>3</sup>/s, 10.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,650 ft<sup>3</sup>/s Dec. 26, 1965, gage height, 13.99 ft; minimum daily discharge, 6.2 ft<sup>3</sup>/s Oct. 17, 1964, and Oct. 1, 2, 1971.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1956			12	13	27	15	46	23	31	10	36	18	15	11	12	12	13	10	12	6	5	6	4	5	3	3	3	1	4		3	1	3	3	
1957	16	119	29	5	9	10	9	20	10	28	14	17	10	13	8	4	9	5	3	3	3	6	6	2	1	2	2		2						
1958	17	2	1	2	5	11	12	28	28	43	21	21	30	26	17	10	18	6	7	7	6	6	12	5	6	4	2	3	5	2	2				
1959	7	11	6	6	5	36	17	30	21	23	18	19	20	16	13	12	15	8	5	11	13	7	8	3	6	3	4	4	3	8	7				
1960						9	28	21	19	13	15	44	24	28	22	30	19	12	17	6	11	7	5	4	3	4	5	4	3	5	4	4			
1961						21	67	29	31	30	24	17	10	13	18	9	12	6	12	6	13	2	8	13	1	7	3	3	3	2	3	2			
1962		7	29	18	14	14	9	8	15	31	31	32	21	30	17	12	12	7	5	6	8	6	8	2	2	6	2	4	2	3	2	2			
1963		8	27	21	33	61	16	27	27	32	23	18	6	8	6	5	5	6	2	4	4	2	3	3	5	1	4		3	4	1				
1964		20	27	58	65	20	6	15	8	19	19	10	21	10	12	9	11	7	6	1	6	3	1	6	2	1	1		1		1				
1965	28	34	26	25	17	19	17	15	13	17	9	6	6	13	9	8	15	4	7	8	12	12	11	3	4	5	7	7		7	1				
1966			6	33	17	13	17	27	18	24	28	22	20	20	12	18	10	10	9	9	4	9	6	4	7	1	5	5	4	2	2	1	2		
1967	2	49	26	30	10	8	4	11	11	13	13	15	19	18	17	20	14	17	9	7	10	7	7	2	2	3	3	1	6	5	4	2			
1968	2	20	3	5	19	13	18	13	17	10	28	32	13	30	19	20	19	10	11	9	9	6	2	6	1	3	7	1	2	10	5	2	1		
1969			24	32	20	19	9	6	13	11	17	16	22	25	20	22	17	10	12	18	12	7	7	5	6	4	1	3	3	4					
1970		10	12	15	21	14	33	18	17	21	24	24	28	19	20	14	8	8	5	12	4	7	5	5	4	4	1	3	3	6					
1971		21	28	15	25	21	18	17	27	24	19	20	10	16	18	17	15	11	8	2	4	3	5	6	3	4	1	2	3	2					
1972	3	31	15	8	5	5		6	13	17	22	28	19	18	13	16	14	11	10	14	20	11	10	8	8	9	6	9	5	10	2				
1973		17	18	12	10	7	11	5	2	5	8	11	13	17	12	21	15	14	20	41	25	23	13	11	10	7	7	5	3	1	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6575	100.00	12	39.0	371	3288	50.01	24	290.0	97	570	8.67
1	6.2	75	6575	100.00	13	46.0	293	2917	44.37	25	340.0	72	473	7.19
2	7.3	334	6500	98.86	14	54.0	334	2624	39.91	26	400.0	82	401	6.10
3	8.7	257	6166	93.78	15	64.0	282	2290	34.83	27	480.0	64	319	4.85
4	10.0	280	5909	89.87	16	76.0	249	2008	30.54	28	560.0	56	256	3.88
5	12.0	314	5629	85.61	17	90.0	263	1759	26.75	29	660.0	54	199	3.03
6	14.0	362	5315	80.84	18	110.0	172	1496	22.75	30	780.0	74	145	2.21
7	17.0	297	4953	75.33	19	130.0	150	1324	20.14	31	930.0	46	71	1.08
8	20.0	341	4656	70.81	20	150.0	135	1174	17.86	32	1100.0	18	25	0.38
9	24.0	306	4315	65.63	21	170.0	205	1039	15.80	33	1300.0	5	7	0.11
10	28.0	386	4009	60.97	22	210.0	127	834	12.68	34	1500.0	2	2	0.03
11	33.0	335	3623	55.10	23	240.0	137	707	10.75					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	8.4
P90 =	10.0
P75 =	17.2
P70 =	20.6
P50 =	39.0
P25 =	98.7
P10 =	258.0

## 05516000 YELLOW RIVER NEAR BREMEN, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1957	7.00 6	7.10 5	7.30 5	7.50 6	7.90 4	8.10 3	8.10 1	8.20 1	9.70 1
1958	6.40 3	6.40 1	6.50 1	6.60 1	7.30 2	7.40 1	8.30 2	12.00 6	27.00 9
1959	15.00 15	15.00 14	16.00 15	16.00 14	17.00 14	24.00 15	36.00 15	38.00 15	64.00 16
1960	6.80 4	6.80 4	6.90 3	7.40 3	8.50 6	12.00 10	20.00 11	26.00 12	43.00 11
1961	14.00 14	15.00 15	15.00 14	16.00 15	18.00 15	18.00 12	24.00 12	24.00 10	26.00 7
1962	16.00 16	16.00 16	17.00 16	17.00 16	24.00 16	45.00 16	41.00 16	49.00 16	52.00 14
1963	8.20 9	8.20 9	8.40 9	8.60 8	8.70 8	10.00 7	11.00 7	14.00 7	16.00 4
1964	8.00 8	8.00 8	8.10 8	8.20 7	8.50 7	9.20 6	9.90 6	10.00 4	12.00 3
1965	6.20 1	6.40 2	6.50 2	6.70 2	6.90 1	7.70 2	8.60 4	9.70 3	22.00 5
1966	8.50 10	8.70 10	9.40 11	9.60 10	10.00 9	11.00 8	13.00 8	16.00 8	45.00 12
1967	9.00 11	9.10 11	9.20 10	9.50 9	10.00 10	11.00 9	18.00 10	22.00 9	27.00 8
1968	7.10 7	7.20 6	7.30 6	7.50 4	8.00 5	8.20 4	8.40 3	11.00 5	24.00 6
1969	7.00 5	7.20 7	7.80 7	10.00 11	15.00 13	20.00 13	24.00 13	30.00 13	54.00 15
1970	10.00 13	10.00 13	11.00 13	11.00 13	12.00 12	13.00 11	16.00 9	26.00 11	33.00 10
1971	9.10 12	9.20 12	9.50 12	10.00 12	11.00 11	20.00 14	28.00 14	31.00 14	48.00 13
1972	6.20 2	6.50 3	7.00 4	7.50 5	7.70 3	8.40 5	9.20 5	9.60 2	11.00 2
1973	22.00 17	23.00 17	23.00 17	25.00 17	30.00 17	64.00 17	108.00 17	137.00 17	196.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1956	1340.00 3	1190.00 3	874.00 6	665.00 5	470.00 4	269.00 11	271.00 5	228.00 9	157.00 13
1957	764.00 18	676.00 17	440.00 17	308.00 17	280.00 16	169.00 16	136.00 17	112.00 18	84.00 18
1958	1000.00 14	922.00 13	598.00 14	406.00 14	255.00 17	162.00 17	171.00 15	147.00 15	122.00 15
1959	1090.00 9	1030.00 9	931.00 5	683.00 4	528.00 1	435.00 1	362.00 1	289.00 1	213.00 2
1960	1210.00 5	1150.00 5	860.00 7	503.00 12	418.00 7	257.00 13	255.00 8	245.00 4	201.00 5
1961	1170.00 6	1080.00 6	953.00 3	639.00 6	396.00 10	345.00 4	300.00 3	243.00 5	179.00 9
1962	1160.00 7	1060.00 7	799.00 11	750.00 1	486.00 3	303.00 7	251.00 10	213.00 11	163.00 12
1963	933.00 15	888.00 15	806.00 10	588.00 7	396.00 11	221.00 15	163.00 16	134.00 16	110.00 16
1964	933.00 16	669.00 18	395.00 18	226.00 18	173.00 18	140.00 18	109.00 18	113.00 17	85.00 17
1965	1020.00 13	893.00 14	588.00 15	378.00 15	319.00 13	295.00 8	257.00 7	240.00 6	173.00 10
1966	1610.00 1	1480.00 1	1150.00 1	699.00 3	442.00 6	266.00 12	232.00 13	208.00 12	211.00 3
1967	1260.00 4	1180.00 4	949.00 4	560.00 8	469.00 5	311.00 6	250.00 11	235.00 7	197.00 6
1968	1340.00 2	1230.00 2	1050.00 2	730.00 2	407.00 8	344.00 5	262.00 6	257.00 3	195.00 7
1969	1080.00 11	1010.00 11	747.00 12	520.00 11	346.00 12	281.00 10	235.00 12	220.00 10	192.00 8
1970	1090.00 10	1030.00 10	814.00 9	535.00 10	494.00 2	359.00 2	272.00 4	230.00 8	170.00 11
1971	898.00 17	802.00 16	502.00 16	343.00 16	284.00 15	251.00 14	180.00 14	152.00 14	123.00 14
1972	1040.00 12	972.00 12	639.00 13	433.00 13	317.00 14	293.00 9	252.00 9	207.00 13	210.00 4
1973	1110.00 8	1040.00 8	819.00 8	544.00 9	399.00 9	346.00 3	312.00 2	283.00 2	269.00 1

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1957	60.00 4
1958	90.00 6
1959	121.00 12
1960	123.00 13
1961	99.00 8
1962	132.00 16
1963	58.00 3
1964	38.00 1
1965	91.00 7
1966	118.00 11
1967	127.00 14
1968	117.00 10
1969	113.00 9
1970	77.00 5
1971	132.00 15
1972	56.00 2
1973	236.00 17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1956	90.00 14
1957	46.00 18
1958	97.00 12
1959	122.00 6
1960	128.00 3
1961	105.00 9
1962	94.00 13
1963	64.00 16
1964	49.00 17
1965	101.00 11
1966	125.00 4
1967	108.00 8
1968	125.00 5
1969	116.00 7
1970	104.00 10
1971	72.00 15
1972	149.00 2
1973	171.00 1

## ILLINOIS RIVER BASIN

05516000 YELLOW RIVER NEAR BREMEN, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1955	*	*	*	*	*	*	*	*	*	*	*	*
1956	23.80	45.50	28.90	15.10	205.00	157.00	155.00	374.00	39.00	17.00	13.60	9.27
1957	8.13	8.30	8.10	19.80	35.00	32.80	268.00	68.60	67.80	27.50	8.25	7.95
1958	16.60	61.60	220.00	68.90	128.00	148.00	38.70	23.90	119.00	75.20	238.00	30.40
1959	21.20	68.30	32.20	64.40	470.00	300.00	288.00	103.00	78.80	44.20	13.90	14.40
1960	40.30	131.00	93.60	220.00	284.00	175.00	289.00	75.20	160.00	33.80	22.20	31.70
1961	19.70	37.10	29.50	18.30	134.00	345.00	344.00	106.00	75.50	32.60	68.80	53.50
1962	41.00	75.90	60.40	140.00	132.00	457.00	108.00	41.10	35.10	16.00	11.50	8.80
1963	25.70	24.90	15.50	12.50	15.00	375.00	51.10	50.00	44.50	106.00	24.50	9.81
1964	8.82	11.10	10.20	20.40	14.80	98.70	168.00	56.30	52.00	118.00	13.50	10.90
1965	7.37	8.93	21.20	200.00	163.00	272.00	315.00	68.80	20.00	13.30	11.00	122.00
1966	72.50	40.70	327.00	112.00	139.00	179.00	261.00	245.00	39.80	18.50	47.60	13.50
1967	10.50	45.10	312.00	52.90	136.00	334.00	258.00	77.40	37.40	13.00	8.46	8.12
1968	15.20	75.20	314.00	147.00	315.00	139.00	188.00	37.10	151.00	41.90	60.80	25.30
1969	15.50	101.00	210.00	266.00	171.00	97.50	247.00	102.00	67.90	81.90	20.20	12.20
1970	17.50	85.30	41.90	54.90	77.00	114.00	481.00	213.00	81.10	30.70	21.10	34.90
1971	45.00	98.50	73.20	24.20	281.00	222.00	45.50	36.90	20.30	13.50	10.70	10.30
1972	8.33	9.61	95.60	137.00	51.70	228.00	304.00	207.00	42.20	203.00	204.00	298.00
1973	264.00	291.00	291.00	276.00	131.00	311.00	253.00	80.00	89.30	30.90	13.90	9.94
1974	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
10.10	21.40	27.00	20.19	70.70	133.00
FIFTIETH PERCENTILE					
18.60	53.50	66.80	66.60	135.00	201.00
SEVENTY FIFTH PERCENTILE					
40.50	88.60	238.00	160.00	224.00	317.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
143.00	47.80	38.60	16.69	11.40	9.27
FIFTIETH PERCENTILE					
256.00	76.30	59.90	31.70	17.00	12.20
SEVENTY FIFTH PERCENTILE					
293.00	131.00	83.10	76.90	50.90	31.70



LOCATION---Lat 41°20'25", long 86°18'16", in SE1/4NW1/4 sec.13, T.33 N., R.2 E., Marshall County, Hydrologic Unit 07120001, on left bank 50 ft upstream from LaPorte Street footbridge in Plymouth, 1.1 mi downstream from Elmer Seldenright (formerly Baker) ditch, 8.1 mi upstream from Wolf Creek, and at mile 41.3(revised).

PERIOD OF RECORD.--July 1948 to September 1985.

**AVERAGE DISCHARGE.**--37 years, 261 ft<sup>3</sup>/s, 12.05 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,390 ft<sup>3</sup>/s Oct. 12, 13, 1954, gage height, 17.13 ft; minimum daily, 13 ft<sup>3</sup>/s Dec. 3, 7, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
1949					54	49	31	17	11	9	14	10	11	21	17	23	19	11	16	12	7	6	5	9	3	3	4	2	1								
1950					2	3	23	20	34	21	13	24	13	13	11	10	7	9	19	19	22	9	13	13	13	17	15	9	7	3	3						
1951							12	23	21	12	14	22	26	30	23	19	18	29	19	24	22	10	5	8	11	4	6	2	1	1	3						
1952						4	1	6	35	28	10	4	4	10	22	17	26	32	34	32	22	17	8	15	9	12	9	7	2								
1953					5	12	31	38	51	23	28	11	18	13	23	28	24	19	11	13	4	2	7	1	1	1											
1954					5	43	50	23	19	16	14	16	16	18	29	20	10	6	11	15	7	10	7	7	5	6	3	4	2	1	2						
1955					12	15	20	14	17	10	15	21	21	24	31	20	23	8	25	19	13	12	5	10	7	7	3	3	2	1	1	1	2	1	2		
1956						3	12	44	19	38	46	36	18	22	21	14	10	14	8	15	9	7	5	4	2	3	5	2	5	3	1						
1957						12	76	77	9	12	17	32	29	9	20	23	5	3	5	3	7	4	4	7	5	4	2										
1958						6	12	3	1	6	29	45	35	30	40	34	16	18	12	14	12	8	11	7	10	5	5	5	1								
1959					2	11	6	4	12	22	21	35	49	27	25	14	14	14	10	18	7	8	15	9	5	6	8	9	6	6	2						
1960							5		20	21	21	30	16	51	41	18	37	22	17	13	7	7	2	6	7	4	7	5	7	2							
1961								22	46	51	36	35	18	19	13	10	17	8	14	12	8	15	11	7	7	5	3	4	1	3							
1962					1	20	9	28	18	8	15	34	41	21	41	29	10	18	12	11	10	4	5	3	4	4	6		2								
1963					11	9	9	27	55	51	35	20	15	31	18	17	11	4	3	8	8	6	3	1	3	6	1	5	3	5							
1964							29	80	46	29	19	24	18	13	32	16	9	10	7	8	6	2	4	7	1	3	1	2									
1965					10	8	19	36	12	9	30	20	15	15	21	28	13	4	11	9	5	13	19	6	3	9	8	8	5	5							
1966						6	13	14	13	14	33	27	39																								

## 05516500 YELLOW RIVER AT PLYMOUTH, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13514	100.00	12	96.0	672	7735	57.24	24	850.0	253	1006	7.44
1	13.0	10	13514	100.00	13	110.0	1128	7063	52.26	25	1000.0	231	753	5.57
2	16.0	28	13504	99.93	14	140.0	883	5935	43.92	26	1200.0	204	522	3.86
3	19.0	44	13476	99.72	15	170.0	602	5052	37.38	27	1500.0	155	318	2.35
4	22.0	286	13432	99.39	16	200.0	626	4450	32.93	28	1800.0	81	163	1.21
5	27.0	506	13146	97.28	17	240.0	499	3824	28.30	29	2100.0	46	82	0.61
6	32.0	809	12640	93.53	18	280.0	518	3325	24.60	30	2500.0	18	36	0.27
7	39.0	750	11831	87.55	19	340.0	487	2807	20.77	31	3000.0	7	18	0.13
8	46.0	850	11081	82.00	20	410.0	402	2320	17.17	32	3600.0	5	11	0.08
9	56.0	807	10231	75.71	21	490.0	337	1918	14.19	33	4300.0	4	6	0.04
10	67.0	785	9424	69.74	22	590.0	294	1581	11.70	34	5200.0	2	2	0.01
11	80.0	904	8639	63.93	23	710.0	281	1287	9.52					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	30.0
P90 =	36.1
P75 =	57.3
P70 =	66.5
P50 =	118.0
P25 =	276.0
P10 =	684.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	22.00 8	22.00 7	22.00 7	22.00 4	22.00 2	25.00 2	31.00 6	38.00 7	51.00 8
1951	36.00 25	37.00 25	38.00 23	38.00 21	40.00 21	45.00 20	51.00 17	63.00 20	146.00 27
1952	46.00 32	47.00 32	47.00 32	49.00 32	57.00 32	69.00 29	98.00 29	208.00 34	254.00 33
1953	20.00 4	21.00 6	21.00 4	23.00 5	26.00 5	32.00 10	38.00 11	42.00 11	57.00 12
1954	20.00 5	20.00 4	22.00 5	24.00 6	26.00 6	27.00 3	28.00 2	28.00 1	32.00 1
1955	40.00 30	40.00 29	41.00 28	44.00 28	53.00 30	113.00 33	139.00 34	138.00 31	268.00 35
1956	22.00 9	23.00 8	24.00 9	25.00 9	27.00 7	35.00 11	41.00 14	48.00 13	55.00 9
1957	22.00 10	24.00 11	25.00 10	25.00 10	27.00 8	29.00 7	30.00 3	30.00 2	43.00 5
1958	24.00 14	24.00 12	26.00 14	28.00 14	30.00 12	31.00 8	34.00 7	48.00 14	86.00 19
1959	51.00 33	54.00 33	56.00 33	58.00 33	63.00 33	78.00 31	127.00 32	126.00 30	175.00 32
1960	20.00 6	21.00 5	22.00 6	24.00 7	30.00 13	41.00 18	62.00 24	75.00 23	122.00 23
1961	41.00 31	42.00 30	43.00 30	44.00 29	50.00 29	52.00 26	68.00 25	66.00 22	69.00 15
1962	57.00 34	57.00 34	58.00 34	63.00 34	74.00 34	125.00 34	132.00 33	146.00 33	150.00 30
1963	18.00 3	18.00 3	18.00 3	18.00 2	22.00 3	27.00 4	30.00 4	35.00 5	34.00 2
1964	27.00 17	27.00 17	29.00 16	29.00 15	33.00 15	35.00 12	35.00 9	35.00 6	40.00 4
1965	13.00 1	14.00 1	15.00 1	17.00 1	19.00 1	21.00 1	25.00 1	31.00 3	55.00 10
1966	21.00 7	23.00 9	29.00 17	32.00 18	35.00 18	46.00 21	52.00 18	65.00 21	113.00 21
1967	23.00 11	24.00 13	25.00 11	25.00 8	27.00 9	32.00 9	56.00 22	56.00 18	77.00 17
1968	18.00 2	18.00 2	18.00 2	20.00 3	25.00 4	29.00 5	34.00 8	43.00 12	86.00 18
1969	38.00 28	38.00 26	39.00 26	42.00 26	49.00 27	67.00 28	82.00 27	105.00 27	163.00 31
1970	34.00 22	35.00 22	35.00 21	38.00 22	41.00 23	49.00 25	58.00 23	87.00 25	104.00 20
1971	37.00 26	38.00 27	41.00 29	42.00 27	48.00 26	74.00 30	88.00 28	96.00 26	133.00 24
1972	24.00 15	24.00 14	25.00 12	27.00 12	27.00 10	29.00 6	31.00 5	32.00 4	36.00 3
1973	58.00 35	60.00 35	63.00 35	66.00 35	78.00 35	153.00 35	221.00 35	253.00 36	390.00 36
1974	24.00 16	25.00 16	28.00 15	30.00 16	34.00 16	38.00 15	38.00 12	41.00 8	55.00 11
1975	23.00 12	24.00 15	26.00 13	27.00 13	29.00 11	35.00 13	37.00 10	41.00 9	51.00 6
1976	37.00 27	38.00 28	38.00 24	38.00 23	40.00 22	47.00 22	54.00 19	58.00 19	121.00 22
1977	35.00 23	36.00 23	38.00 25	39.00 24	43.00 25	47.00 23	54.00 20	54.00 17	58.00 13
1978	39.00 29	42.00 31	44.00 31	47.00 30	50.00 28	62.00 27	119.00 30	110.00 29	142.00 26
1979	32.00 19	32.00 19	33.00 19	34.00 19	34.00 17	38.00 16	40.00 13	42.00 10	51.00 7
1980	23.00 13	23.00 10	23.00 8	26.00 11	32.00 14	35.00 14	42.00 15	49.00 15	61.00 14
1981	35.00 24	37.00 24	40.00 27	48.00 31	56.00 31	86.00 32	120.00 31	143.00 32	149.00 28
1982	86.00 36	89.00 36	94.00 36	107.00 36	159.00 36	231.00 36	233.00 36	241.00 35	265.00 34
1983	33.00 20	34.00 20	37.00 22	39.00 25	42.00 24	48.00 24	74.00 26	106.00 28	149.00 29
1984	30.00 18	30.00 18	31.00 18	32.00 17	36.00 19	40.00 17	42.00 16	49.00 16	76.00 16
1985	34.00 21	34.00 21	35.00 20	37.00 20	39.00 20	44.00 19	55.00 21	83.00 24	140.00 25

## 05516500 YELLOW RIVER AT PLYMOUTH, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	1840.00 26	1680.00 27	1300.00 28	985.00 27	709.00 28	609.00 24	488.00 26	410.00 31	334.00 28
1950	2800.00 7	2680.00 7	2190.00 6	1920.00 5	1450.00 5	1160.00 2	1040.00 1	992.00 1	742.00 1
1951	2850.00 5	2770.00 5	2190.00 7	1230.00 15	689.00 29	524.00 32	484.00 28	459.00 22	425.00 18
1952	1980.00 22	1760.00 25	1270.00 29	989.00 26	905.00 15	675.00 18	653.00 11	621.00 7	551.00 6
1953	1140.00 36	937.00 37	671.00 37	464.00 37	384.00 37	304.00 37	259.00 36	232.00 37	191.00 37
1954	2290.00 9	2140.00 13	1580.00 19	996.00 25	796.00 24	610.00 23	487.00 27	419.00 30	327.00 30
1955	5310.00 1	5120.00 1	4200.00 1	2750.00 2	1650.00 3	952.00 6	743.00 6	666.00 4	569.00 4
1956	2160.00 17	1990.00 20	1510.00 23	1260.00 14	903.00 16	541.00 30	529.00 22	456.00 23	325.00 31
1957	1090.00 37	1020.00 36	786.00 36	631.00 35	618.00 33	398.00 34	323.00 35	267.00 35	205.00 35
1958	1520.00 31	1430.00 31	1180.00 30	846.00 32	528.00 35	358.00 35	346.00 33	306.00 33	251.00 34
1959	2240.00 13	2170.00 12	1970.00 10	1460.00 8	1160.00 7	965.00 5	809.00 4	649.00 5	492.00 10
1960	2290.00 10	2190.00 10	1770.00 15	1090.00 22	947.00 13	576.00 27	563.00 17	540.00 14	448.00 15
1961	2160.00 18	2130.00 14	1920.00 12	1350.00 11	867.00 17	736.00 13	638.00 13	526.00 18	399.00 21
1962	2200.00 16	2060.00 17	1590.00 17	1480.00 7	977.00 12	618.00 21	522.00 24	442.00 25	353.00 25
1963	1700.00 29	1610.00 29	1500.00 24	1160.00 19	794.00 26	454.00 33	344.00 34	289.00 34	252.00 33
1964	1440.00 33	1310.00 33	843.00 35	501.00 36	394.00 36	323.00 36	254.00 37	256.00 36	203.00 36
1965	1680.00 30	1580.00 30	1140.00 31	750.00 33	670.00 31	613.00 22	529.00 23	488.00 21	358.00 24
1966	2380.00 8	2330.00 8	1980.00 8	1280.00 13	867.00 18	526.00 31	474.00 30	427.00 27	421.00 19
1967	2150.00 19	2100.00 15	1850.00 13	1200.00 17	1020.00 11	730.00 14	615.00 15	531.00 16	479.00 11
1968	2240.00 11	2190.00 11	1950.00 11	1430.00 9	809.00 22	706.00 17	556.00 18	541.00 13	436.00 16
1969	1930.00 23	1870.00 22	1560.00 20	1140.00 20	811.00 21	659.00 19	552.00 19	527.00 17	464.00 13
1970	1910.00 24	1840.00 23	1540.00 22	1090.00 21	1030.00 10	800.00 10	619.00 14	523.00 19	397.00 23
1971	1500.00 32	1420.00 32	1050.00 33	737.00 34	645.00 32	563.00 28	402.00 32	356.00 32	295.00 32
1972	1380.00 35	1290.00 35	1070.00 32	850.00 31	682.00 30	597.00 26	517.00 25	420.00 29	406.00 20
1973	1890.00 25	1810.00 24	1560.00 21	1080.00 23	816.00 20	709.00 15	659.00 10	616.00 8	581.00 3
1974	1760.00 27	1680.00 26	1440.00 25	1040.00 24	796.00 25	708.00 16	595.00 16	534.00 15	461.00 14
1975	1740.00 28	1670.00 28	1370.00 27	940.00 28	741.00 27	627.00 20	539.00 21	517.00 20	436.00 17
1976	2230.00 14	2210.00 9	1970.00 9	1420.00 10	1360.00 6	891.00 7	707.00 8	586.00 10	470.00 12
1977	2140.00 20	2030.00 18	1580.00 18	1210.00 16	944.00 14	746.00 12	550.00 20	434.00 26	333.00 29
1978	3330.00 4	3200.00 4	2800.00 4	2090.00 4	1660.00 2	990.00 4	759.00 5	594.00 9	509.00 9
1979	2800.00 6	2700.00 6	2350.00 5	1490.00 6	1090.00 8	881.00 8	729.00 7	572.00 11	398.00 22
1980	1420.00 34	1300.00 34	1020.00 34	893.00 30	803.00 23	608.00 25	462.00 31	425.00 28	345.00 27
1981	2230.00 15	2010.00 19	1810.00 14	1180.00 18	865.00 19	754.00 11	666.00 9	629.00 6	548.00 7
1982	4630.00 2	4460.00 2	3890.00 2	2780.00 1	1670.00 1	1130.00 3	832.00 3	718.00 3	552.00 5
1983	2240.00 12	2090.00 16	1650.00 16	1320.00 12	1040.00 9	876.00 9	652.00 12	545.00 12	523.00 8
1984	2020.00 21	1880.00 21	1440.00 26	933.00 29	606.00 34	552.00 29	480.00 29	449.00 24	350.00 26
1985	3800.00 3	3590.00 3	3060.00 3	2340.00 3	1450.00 4	1300.00 1	920.00 2	848.00 2	651.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	313.00 29
1951	317.00 30
1952	407.00 33
1953	180.00 7
1954	106.00 2
1955	421.00 34
1956	132.00 5
1957	141.00 6
1958	208.00 10
1959	283.00 22
1960	283.00 23
1961	230.00 14
1962	306.00 27
1963	123.00 4
1964	102.00 1
1965	195.00 8
1966	251.00 18
1967	289.00 25
1968	281.00 21
1969	290.00 26
1970	210.00 11

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	186.00 32
1950	434.00 1
1951	300.00 11
1952	363.00 6
1953	119.00 36
1954	190.00 31
1955	336.00 7
1956	194.00 30
1957	119.00 37
1958	219.00 25
1959	295.00 13
1960	295.00 14
1961	244.00 22
1962	210.00 29
1963	145.00 34
1964	122.00 35
1965	215.00 27
1966	257.00 19
1967	277.00 17
1968	301.00 10
1969	295.00 15

## ILLINOIS RIVER BASIN

05516500 YELLOW RIVER AT PLYMOUTH, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	313.00	28
1972	118.00	3
1973	492.00	35
1974	248.00	16
1975	203.00	9
1976	344.00	31
1977	224.00	12
1978	279.00	20
1979	231.00	15
1980	228.00	13
1981	250.00	17
1982	499.00	36
1983	269.00	19
1984	286.00	24
1985	356.00	32

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	255.00	20
1971	176.00	33
1972	290.00	16
1973	385.00	2
1974	258.00	18
1975	249.00	21
1976	298.00	12
1977	210.00	28
1978	304.00	9
1979	225.00	24
1980	240.00	23
1981	367.00	5
1982	369.00	3
1983	323.00	8
1984	218.00	26
1985	368.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	27.90	37.60	93.60	547.00	648.00	252.00	184.00	161.00	218.00	46.20	31.20	22.40
1950	62.50	36.90	361.00	994.00	547.00	1089.0	1190.0	168.00	246.00	347.00	112.00	60.10
1951	40.40	68.10	283.00	469.00	514.00	333.00	510.00	359.00	153.00	664.00	148.00	62.40
1952	320.00	550.00	388.00	883.00	419.00	417.00	473.00	278.00	341.00	181.00	60.80	46.30
1953	26.40	42.50	67.10	138.00	159.00	351.00	217.00	172.00	105.00	52.10	71.40	31.10
1954	26.10	27.90	30.40	38.20	140.00	368.00	756.00	257.00	222.00	192.00	169.00	56.90
1955	1583.0	262.00	262.00	485.00	327.00	459.00	273.00	113.00	113.00	61.70	42.10	30.10
1956	59.70	96.00	64.20	38.10	382.00	330.00	249.00	811.00	112.00	70.60	86.20	35.50
1957	27.10	31.20	33.90	50.10	97.50	79.50	581.00	210.00	156.00	103.00	33.50	32.30
1958	66.60	156.00	474.00	169.00	217.00	307.00	106.00	65.40	232.00	180.00	494.00	155.00
1959	74.40	217.00	89.60	145.00	1007.0	692.00	614.00	294.00	242.00	135.00	50.10	46.60
1960	100.00	322.00	235.00	452.00	605.00	328.00	749.00	197.00	327.00	102.00	69.40	88.00
1961	50.80	91.40	71.10	53.70	250.00	725.00	739.00	280.00	174.00	81.30	223.00	195.00
1962	113.00	207.00	156.00	311.00	278.00	921.00	232.00	96.00	89.60	48.40	37.60	25.70
1963	43.90	48.50	32.20	26.50	35.70	751.00	127.00	126.00	124.00	282.00	84.80	39.70
1964	33.00	37.80	34.10	49.20	43.40	238.00	374.00	141.00	109.00	289.00	65.70	41.50
1965	23.70	20.90	41.10	373.00	312.00	552.00	668.00	176.00	85.20	53.40	44.50	248.00
1966	162.00	96.90	558.00	275.00	285.00	372.00	467.00	561.00	89.20	68.50	101.00	34.70
1967	30.80	179.00	697.00	133.00	350.00	753.00	663.00	238.00	154.00	68.70	37.10	29.50
1968	46.40	212.00	683.00	280.00	679.00	310.00	468.00	151.00	358.00	180.00	172.00	96.10
1969	56.60	222.00	461.00	629.00	454.00	248.00	633.00	266.00	194.00	271.00	75.80	45.70
1970	59.40	254.00	125.00	133.00	194.00	280.00	1008.0	538.00	200.00	108.00	77.50	93.70
1971	117.00	250.00	197.00	86.20	631.00	496.00	99.80	97.00	60.70	45.40	34.20	33.00
1972	29.00	31.50	193.00	287.00	95.80	405.00	621.00	500.00	85.90	354.00	338.00	537.00
1973	611.00	633.00	563.00	644.00	324.00	672.00	550.00	197.00	235.00	93.20	58.60	34.20
1974	42.20	42.00	157.00	524.00	417.00	633.00	340.00	508.00	265.00	84.70	43.90	41.00
1975	29.20	52.40	60.90	292.00	382.00	345.00	536.00	355.00	719.00	107.00	72.10	66.00
1976	40.40	79.60	357.00	117.00	830.00	882.00	287.00	281.00	276.00	227.00	153.00	61.30
1977	54.60	65.40	60.20	44.80	295.00	877.00	390.00	138.00	108.00	195.00	52.00	244.00
1978	160.00	139.00	588.00	128.00	98.80	1079.0	825.00	318.00	111.00	90.20	49.30	43.50
1979	34.90	43.00	59.90	83.90	90.40	1011.0	711.00	395.00	89.40	63.60	67.80	33.10
1980	36.60	150.00	285.00	169.00	210.00	524.00	596.00	141.00	311.00	71.20	203.00	192.00
1981	108.00	87.30	345.00	111.00	665.00	217.00	556.00	811.00	599.00	381.00	274.00	275.00
1982	270.00	258.00	207.00	371.00	374.00	1586.0	501.00	194.00	226.00	257.00	123.00	54.90
1983	42.60	397.00	733.00	169.00	237.00	298.00	930.00	696.00	128.00	139.00	60.60	42.10
1984	41.90	60.80	238.00	71.30	517.00	528.00	366.00	347.00	265.00	92.90	55.70	42.40
1985	146.00	253.00	431.00	493.00	716.00	1076.0	942.00	135.00	103.00	48.90	48.60	55.90

05516500 YELLOW RIVER AT PLYMOUTH, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
33.90	42.70	65.60	85.00	202.00	319.00
FIFTIETH PERCENTILE					
50.80	96.00	207.00	169.00	327.00	459.00
SEVENTY FIFTH PERCENTILE					
111.00	236.00	410.00	461.00	532.00	752.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
314.00	146.00	109.00	68.60	48.90	34.40
FIFTIETH PERCENTILE					
536.00	238.00	174.00	103.00	69.40	46.30
SEVENTY FIFTH PERCENTILE					
690.00	357.00	256.00	211.00	136.00	90.80

## ILLINOIS RIVER BASIN

05517000 YELLOW RIVER AT KNOX, IN

LOCATION.--Lat 41°18'10", long 86°37'14", in SW¼SW¼ sec.14, T.33 N., R.2 W., Starke County, Hydrologic Unit 07120001, on right bank 40 ft upstream from bridge on U.S. Highway 35 in Knox, 1.4 mi downstream from Eagle Creek, and at mile 11.6.

DRAINAGE AREA.--435 mi<sup>2</sup>, of which 51 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--August 1905 to July 1906, August 1943 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 679.93 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). August 1905 to July 1906, nonrecording gage at same site at different datum. August 1943 to July 17, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years (water years 1944 to 1985), 398 ft<sup>3</sup>/s, 12.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,660 ft<sup>3</sup>/s Oct. 15, 16, 1954, gage height, 13.75 ft; minimum daily, 50 ft<sup>3</sup>/s Jan. 21-31, 1963.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1944				6	36	23	31	32	31	22	15	29	17	5	8	9	19	12	16	7	15	4	5	2	8	1	7	2	4							
1945		1	6	15	43	62	31	13	10	15	11	23	15	17	23	18	14	9	11	10	4	4	1	1	4	2	2									
1946				10	30	23	11	13	13	34	25	41	34	20	15	13	13	12	12	17	9	12	3		2	2	1									
1947				13	10	25	20	31	35	31	20	23	10	22	18	14	8	13	20	16	13	13	4	2	2	1	1									
1948				21	15	36	34	21	22	21	26	22	17	16	23	14	8	15	9	8	13	5	6		7	6	1									
1949				22	47	46	31	13	19	13	9	20	20	21	26	12	8	13	10	8	4	10	4	3	5	1										
1950				2	1	16	29	45	13	14	7	16	17	14	12	10	11	19	16	18	11	28	11	15	17	9	8	2	4							
1951					13	32	18	11	41	26	19	13	20	21	26	26	22	23	13	7	11	9	5	5		4										
1952					18	29	16	15	5	11	11	8	23	34	35	31	20	23	28	8	21	9	13	7	1											
1953				9	35	57	31	25	21	16	28	21	20	38	27	14	9	7	3	1	1	2														
1954		1	25	63	39	25	15	11	14	18	28	22	17	13	10	12	12	9	9	6	6	3	3	2	2											
1955				30	16	14	14	15	14	17	21	21	37	30	21	19	21	16	11	10	11	8	3	5	1	1			2	1	1	1	3	1		
1956				3	20	33	58	46	24	29	26	23	13	15	18	9	8	7	4	5	5	4	2	3	5	3	3									
1957		2	32	39	79	25	20	14	42	22	15	11	15	8	5	4	8	5	11	3	4	1														
1958				15	2	11	19	27	27	48	33	40	32	18	24	15	11	14	12	5	7	2	3													
1959				21	15	13	37	37	30	27	17	21	21	24	14	10	13	14	9	5	7	5	7	11	2	2	3									
1960					15	26	27	19	17	39	35	31	32	25	36	11	8	6	6	10	5	1	7	1	6	2	1									
1961					9	35	73	36	28	21	19	10	17	17	10	17	13	12	14	11	9	3	2	3	1	2	3									
1962					25	33	22	13	18	28	32	33	41	25	18	14	11	14	5	8	3	7	2	1	4	1	6	1								
1963	14	5	6	7	44	78	66	26	15	21	13	13	9	8	4	4	8	5	5	4	2	3	2	2	1											
1964		11	16	36	72	60	38	23	9	11	17	17	10	6	7	7	8	5	8	3	1	1														
1965				18	42	28	47	31	24	12	11	13	12	13	9	11	14	18	12	6	10	11	5	2	5											
1966				10	37	19	36	23	31	34	31	21	13	11	20	16	13	8	7	6	8	4	6	5	1	1	3	1								
1967				10	33	23	25	20	19	16	16	22	23	20	18	16	24	10	16	10	13	3	5	5	7	3	3	1	4							
1968		2	1	7	3	2	5	9	15	35	59	49	37	33	21	19	12	7	5	8	4	2	3	13	3	6	1	2	3							
1969					9	29	10	54	21	58	33	23	23	24	20	12	11	15	8	1	3	5	1	2	3											
1970					24	26	83	77	47	24	10	16	8	14	5	5	4	4	2	2	5	4	3	2												
1971				10	30	47	22	17	21	39	38	29	34	24	9	10	6	6	8	3	5	2	1	1		1	2									
1972			4	38	25	2	4	5	46	46	31	17	16	15	13	22	17	9	7	9	17	8	7	8												
1973				1	23	10	12	21	10	10	16	13	30	20	16	31	41	39	26	16	8	7	8	1	2	3	1									
1974				1	34	61	36	28	11	13	8	5	24	19	21	18	17	15	12	11	7	3	5	8	2	6										
1975					29	5	38	42	29	25	21	19	21	19	24	15	12	14	8	11	10	5	9	4	1	2	2									
1976					27	44	27	21	26	23	22	32	26	19	18	14	10	12	11	12	1	4	3	3	6	3	2									
1977				8	44	78	39	30	32	16	19	12	12	8	5	4	3	6	10	8	11	7	5	3	1	4										
1978				18	23	23	12	19	74	28	35	14	20	12	11	12	9	8	6	9	8		4	4	8	2	1	2	3							
1979				16	53	74	43	33	24	5	17	10	4	6	6	8	10	12	8	9	11	5	3	1		2	1	3	1							
1980					26	28	19	40	23	18	41	29	27	26	12	8	11	10	14	15	13	2	3	1												
1981						21	39	36	46	32	22	16	19	21	17	11	17	10	7	12	4	3	11	8	7	3	1	2								
1982					21	15	7	11	23	57	48	30	29	21	17	18	12	12	13	12	1	2	2	1	2		1	2	2	3	3					
1983					16	44	11	11	10	13	15	39	32	35	22	24	20	10	9	12	11	4	7	9	4	7										
1984					25	55	32	18	28	31	23	21	23	16	19	14	10	9	8	9	11	3	7	2	2											
1985					22	45	19	15	12	30	37	32	21	18	10	22	13	8	7	7	7	1	3	6	3	14	4	4	2	3						

## 05517000 YELLOW RIVER AT KNOX, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15341	100.00	12	240.0	1111	7917	51.61	24	1300.0	162	656	4.28
1	50.0	14	15341	100.00	13	280.0	906	6806	44.36	25	1500.0	200	494	3.22
2	58.0	18	15327	99.91	14	320.0	851	5900	38.46	26	1800.0	73	294	1.92
3	67.0	50	15309	99.79	15	370.0	793	5049	32.91	27	2000.0	121	221	1.44
4	77.0	268	15259	99.47	16	430.0	642	4256	27.74	28	2400.0	36	100	0.65
5	88.0	735	14991	97.72	17	490.0	623	3614	23.56	29	2700.0	31	64	0.42
6	100.0	1138	14256	92.93	18	570.0	534	2991	19.50	30	3100.0	13	33	0.22
7	120.0	1195	13118	85.51	19	650.0	491	2457	16.02	31	3600.0	9	20	0.13
8	140.0	1037	11923	77.72	20	750.0	430	1966	12.82	32	4200.0	4	11	0.07
9	160.0	869	10886	70.96	21	870.0	353	1536	10.01	33	4800.0	6	7	0.05
10	180.0	1102	10017	65.30	22	1000.0	368	1183	7.71	34	5600.0	1	1	0.01
11	210.0	998	8915	58.11	23	1200.0	159	815	5.31					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 94.8  
 P90 = 108.0  
 P75 = 148.0  
 P70 = 163.0  
 P50 = 249.0  
 P25 = 469.0  
 P10 = 871.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1945	60.00 3	72.00 4	80.00 4	84.00 6	89.00 9	95.00 10	96.00 7	99.00 6	99.00 1
1946	117.00 32	119.00 32	126.00 33	131.00 32	136.00 32	228.00 38	230.00 37	264.00 36	326.00 37
1947	81.00 9	82.00 9	83.00 7	84.00 7	86.00 5	91.00 6	100.00 9	110.00 10	137.00 10
1948	99.00 22	100.00 21	102.00 21	105.00 21	117.00 22	152.00 30	186.00 30	181.00 27	210.00 24
1949	84.00 11	85.00 12	87.00 11	87.00 10	87.00 6	89.00 5	96.00 8	101.00 7	127.00 9
1950	80.00 8	81.00 8	85.00 9	86.00 8	88.00 7	94.00 7	110.00 11	119.00 11	143.00 12
1951	110.00 31	113.00 29	115.00 29	118.00 29	121.00 25	131.00 25	142.00 23	168.00 24	286.00 33
1952	126.00 34	129.00 34	132.00 34	136.00 33	152.00 35	170.00 33	204.00 33	323.00 39	391.00 39
1953	91.00 16	93.00 18	94.00 16	97.00 16	102.00 17	106.00 13	111.00 12	122.00 12	147.00 14
1954	59.00 2	77.00 6	80.00 5	82.00 5	84.00 4	88.00 4	90.00 2	92.00 2	100.00 2
1955	106.00 27	107.00 27	109.00 24	115.00 26	134.00 31	214.00 37	253.00 38	265.00 37	403.00 40
1956	88.00 13	90.00 13	91.00 13	93.00 13	98.00 12	107.00 15	123.00 16	134.00 16	144.00 13
1957	68.00 6	79.00 7	80.00 6	80.00 3	82.00 3	86.00 3	91.00 4	94.00 3	107.00 6
1958	91.00 17	91.00 16	92.00 14	95.00 14	101.00 15	106.00 14	117.00 13	144.00 21	202.00 23
1959	130.00 35	135.00 35	143.00 37	144.00 37	152.00 36	187.00 35	229.00 36	227.00 34	290.00 34
1960	90.00 14	90.00 14	90.00 12	91.00 12	98.00 13	118.00 19	152.00 25	172.00 26	237.00 28
1961	108.00 29	115.00 31	116.00 30	117.00 27	127.00 28	134.00 27	153.00 26	154.00 23	156.00 16
1962	140.00 38	140.00 38	145.00 38	153.00 38	182.00 38	260.00 39	261.00 39	282.00 38	290.00 35
1963	50.00 1	50.00 1	50.00 1	51.00 1	63.00 1	80.00 2	90.00 3	101.00 8	102.00 3
1964	70.00 7	70.00 3	75.00 3	80.00 4	88.00 8	94.00 8	93.00 5	94.00 4	103.00 4
1965	62.00 4	63.00 2	63.00 2	64.00 2	73.00 2	77.00 1	78.00 1	81.00 1	109.00 7
1966	92.00 18	92.00 17	96.00 17	98.00 17	101.00 16	115.00 16	126.00 18	140.00 20	200.00 22
1967	84.00 12	84.00 11	85.00 10	86.00 9	91.00 10	95.00 11	121.00 15	125.00 13	161.00 18
1968	67.00 5	74.00 5	96.00 18	100.00 18	107.00 18	118.00 20	124.00 17	137.00 18	193.00 21
1969	183.00 40	184.00 40	186.00 40	192.00 39	194.00 39	199.00 36	213.00 35	249.00 35	311.00 36
1970	136.00 37	137.00 37	140.00 36	141.00 35	143.00 33	155.00 31	172.00 29	197.00 29	214.00 25
1971	110.00 30	113.00 30	125.00 32	144.00 36	155.00 37	176.00 34	196.00 31	205.00 32	237.00 29
1972	83.00 10	83.00 10	84.00 8	88.00 11	93.00 11	94.00 9	95.00 6	97.00 5	106.00 5
1973	157.00 39	159.00 39	166.00 39	195.00 40	205.00 40	286.00 40	340.00 40	369.00 41	554.00 41
1974	99.00 23	100.00 22	110.00 27	123.00 30	129.00 30	130.00 24	134.00 21	140.00 19	168.00 19
1975	101.00 24	102.00 24	104.00 22	105.00 22	109.00 19	115.00 17	119.00 14	130.00 14	149.00 15
1976	135.00 36	135.00 36	136.00 35	140.00 34	143.00 34	151.00 29	163.00 28	169.00 25	247.00 30
1977	92.00 19	95.00 19	97.00 19	100.00 19	111.00 20	118.00 18	133.00 19	135.00 17	139.00 11
1978	99.00 20	101.00 23	109.00 25	114.00 25	120.00 23	142.00 28	205.00 34	200.00 30	228.00 26
1979	91.00 15	91.00 15	92.00 15	97.00 15	99.00 14	103.00 12	105.00 10	110.00 9	127.00 8
1980	99.00 21	100.00 20	101.00 20	104.00 20	114.00 21	122.00 21	134.00 22	134.00 15	159.00 17
1981	103.00 25	107.00 25	110.00 26	117.00 28	122.00 26	169.00 32	200.00 32	223.00 33	233.00 27
1982	190.00 41	192.00 41	199.00 41	221.00 41	276.00 41	338.00 41	349.00 41	357.00 40	376.00 38
1983	121.00 33	122.00 33	123.00 31	127.00 31	127.00 29	132.00 26	161.00 27	205.00 31	266.00 31
1984	107.00 28	107.00 26	108.00 23	112.00 23	123.00 27	129.00 23	133.00 20	146.00 22	192.00 20
1985	106.00 26	108.00 28	111.00 28	114.00 24	121.00 24	127.00 22	147.00 24	182.00 28	270.00 32

## 05517000 YELLOW RIVER AT KNOX, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1944	3070.00 10	2980.00 10	2400.00 11	1900.00 7	1380.00 8	1270.00 5	1080.00 4	931.00 4	674.00 13
1945	2220.00 24	2100.00 25	1770.00 24	1210.00 28	935.00 31	780.00 29	669.00 30	594.00 32	492.00 32
1946	2040.00 28	1960.00 29	1630.00 28	1090.00 33	783.00 36	645.00 36	627.00 34	548.00 36	516.00 29
1947	2040.00 29	1890.00 30	1560.00 30	1190.00 29	1030.00 25	858.00 23	814.00 20	687.00 21	576.00 20
1948	2040.00 30	1980.00 28	1750.00 25	1380.00 22	1040.00 23	881.00 20	823.00 18	705.00 20	573.00 22
1949	1850.00 34	1730.00 34	1550.00 31	1290.00 24	975.00 29	868.00 22	729.00 24	626.00 27	531.00 28
1950	3080.00 8	3030.00 8	2770.00 6	2410.00 5	1880.00 4	1540.00 2	1400.00 1	1340.00 1	1060.00 1
1951	2360.00 19	2260.00 19	1930.00 20	1240.00 25	849.00 33	774.00 30	724.00 26	673.00 22	621.00 18
1952	1920.00 33	1770.00 33	1450.00 33	1220.00 27	1130.00 20	908.00 19	865.00 13	819.00 10	767.00 7
1953	1100.00 41	1000.00 41	826.00 41	642.00 41	534.00 41	470.00 40	426.00 40	395.00 40	345.00 39
1954	1990.00 31	1880.00 31	1530.00 32	1090.00 34	940.00 30	772.00 31	644.00 32	573.00 33	473.00 34
1955	5600.00 1	5390.00 1	4720.00 2	3240.00 2	2030.00 3	1240.00 6	1010.00 6	924.00 5	819.00 4
1956	2130.00 26	2040.00 26	1710.00 26	1480.00 18	1140.00 18	724.00 34	688.00 28	617.00 28	466.00 35
1957	1220.00 40	1160.00 40	976.00 40	815.00 40	779.00 37	572.00 38	480.00 39	424.00 39	344.00 40
1958	1430.00 39	1380.00 39	1170.00 39	926.00 38	666.00 40	506.00 39	483.00 38	450.00 37	392.00 37
1959	2550.00 15	2500.00 15	2230.00 14	1710.00 12	1400.00 7	1160.00 8	1010.00 7	844.00 8	659.00 16
1960	2700.00 14	2550.00 14	2050.00 16	1350.00 23	1230.00 16	824.00 26	783.00 22	748.00 18	640.00 17
1961	2500.00 16	2430.00 16	2200.00 15	1610.00 17	1130.00 19	945.00 17	844.00 17	722.00 19	576.00 21
1962	2500.00 17	2330.00 18	1910.00 21	1820.00 9	1290.00 11	878.00 21	735.00 23	653.00 23	549.00 25
1963	1500.00 38	1430.00 38	1210.00 38	938.00 36	710.00 39	462.00 41	375.00 41	325.00 41	302.00 41
1964	1030.00 42	923.00 42	683.00 42	578.00 42	497.00 42	427.00 42	351.00 42	320.00 42	268.00 42
1965	1600.00 36	1530.00 36	1220.00 37	911.00 39	837.00 35	781.00 28	697.00 27	646.00 25	489.00 33
1966	2740.00 12	2620.00 13	2310.00 13	1650.00 14	1030.00 24	685.00 35	618.00 35	567.00 34	580.00 19
1967	3080.00 9	2990.00 9	2640.00 8	1730.00 11	1280.00 12	979.00 16	845.00 16	761.00 15	707.00 9
1968	3460.00 5	3360.00 5	3020.00 5	2130.00 6	1270.00 13	1040.00 13	864.00 15	816.00 11	682.00 11
1969	2230.00 23	2130.00 23	1790.00 23	1240.00 26	902.00 32	731.00 33	614.00 36	615.00 29	547.00 26
1970	2240.00 22	2110.00 24	1680.00 27	1080.00 35	994.00 27	829.00 25	654.00 31	559.00 35	455.00 36
1971	2100.00 27	2020.00 27	1420.00 35	928.00 37	761.00 38	636.00 37	500.00 37	438.00 38	387.00 38
1972	1770.00 35	1650.00 35	1440.00 34	1160.00 30	986.00 28	844.00 24	727.00 25	603.00 30	569.00 23
1973	2940.00 11	2740.00 11	2380.00 12	1650.00 15	1240.00 15	1050.00 12	953.00 10	906.00 7	857.00 3
1974	2280.00 21	2200.00 21	1880.00 22	1420.00 21	1100.00 22	1000.00 15	865.00 14	786.00 13	694.00 10
1975	2420.00 18	2350.00 17	2030.00 17	1430.00 20	1120.00 21	925.00 18	818.00 19	770.00 14	668.00 15
1976	2710.00 13	2680.00 12	2430.00 10	1750.00 10	1680.00 6	1180.00 7	964.00 9	824.00 9	669.00 14
1977	2180.00 25	2140.00 22	1980.00 18	1610.00 16	1270.00 14	1030.00 14	786.00 21	638.00 26	497.00 31
1978	3880.00 4	3780.00 4	3380.00 3	2580.00 4	2060.00 2	1280.00 4	1010.00 8	807.00 12	679.00 12
1979	3120.00 7	3070.00 7	2760.00 7	1830.00 8	1320.00 9	1090.00 11	927.00 11	757.00 16	556.00 24
1980	1550.00 37	1450.00 37	1240.00 36	1110.00 32	1010.00 26	799.00 27	642.00 33	597.00 31	503.00 30
1981	3150.00 6	3080.00 6	2560.00 9	1660.00 13	1170.00 17	1140.00 9	1020.00 5	924.00 6	792.00 5
1982	5250.00 2	5130.00 2	4740.00 1	3610.00 1	2270.00 1	1530.00 3	1160.00 3	987.00 3	780.00 6
1983	2330.00 20	2230.00 20	1950.00 19	1460.00 19	1290.00 10	1100.00 10	866.00 12	754.00 17	716.00 8
1984	1970.00 32	1880.00 32	1570.00 29	1160.00 31	841.00 34	755.00 32	686.00 29	650.00 24	535.00 27
1985	3980.00 3	3850.00 3	3370.00 4	2730.00 3	1810.00 5	1640.00 1	1210.00 2	1100.00 2	877.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1945	314.00 10
1946	478.00 32
1947	241.00 6
1948	445.00 29
1949	376.00 20
1950	480.00 34
1951	518.00 35
1952	585.00 38
1953	314.00 11
1954	211.00 4
1955	613.00 39
1956	254.00 7
1957	240.00 5
1958	342.00 12
1959	414.00 23
1960	424.00 25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1944	433.00 14
1945	308.00 35
1946	365.00 26
1947	378.00 23
1948	370.00 24
1949	325.00 33
1950	661.00 1
1951	458.00 10
1952	538.00 5
1953	238.00 39
1954	302.00 37
1955	527.00 7
1956	307.00 36
1957	225.00 40
1958	354.00 29
1959	426.00 16



05517000 YELLOW RIVER AT KNOX, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	370.00	18
1962	478.00	33
1963	203.00	2
1964	174.00	1
1965	269.00	8
1966	376.00	19
1967	429.00	26
1968	466.00	31
1969	432.00	28
1970	304.00	9
1971	400.00	21
1972	207.00	3
1973	707.00	40
1974	430.00	27
1975	352.00	14
1976	533.00	37
1977	343.00	13
1978	409.00	22
1979	359.00	16
1980	354.00	15
1981	362.00	17
1982	712.00	41
1983	420.00	24
1984	449.00	30
1985	523.00	36

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	454.00	12
1961	380.00	22
1962	360.00	28
1963	203.00	41
1964	180.00	42
1965	317.00	34
1966	382.00	21
1967	439.00	13
1968	503.00	8
1969	394.00	20
1970	338.00	31
1971	268.00	38
1972	415.00	19
1973	615.00	2
1974	423.00	17
1975	422.00	18
1976	457.00	11
1977	331.00	32
1978	432.00	15
1979	344.00	30
1980	367.00	25
1981	532.00	6
1982	540.00	3
1983	496.00	9
1984	361.00	27
1985	539.00	4

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1944	190.00	442.00	195.00	153.00	371.00	1131.0	1374.0	721.00	294.00	135.00	100.00	95.70
1945	96.10	111.00	96.90	97.60	241.00	419.00	646.00	896.00	365.00	208.00	301.00	220.00
1946	695.00	266.00	272.00	603.00	487.00	767.00	292.00	232.00	408.00	150.00	117.00	88.40
1947	95.90	213.00	172.00	320.00	439.00	390.00	992.00	670.00	661.00	187.00	123.00	305.00
1948	134.00	183.00	330.00	366.00	415.00	981.00	576.00	750.00	281.00	218.00	111.00	87.40
1949	92.70	121.00	155.00	732.00	942.00	483.00	360.00	339.00	363.00	161.00	107.00	90.80
1950	156.00	127.00	510.00	1293.0	907.00	1354.0	1715.0	429.00	478.00	567.00	256.00	158.00
1951	124.00	172.00	447.00	648.00	684.00	576.00	763.00	611.00	326.00	737.00	255.00	162.00
1952	403.00	725.00	565.00	1117.0	676.00	669.00	736.00	512.00	518.00	281.00	148.00	118.00
1953	110.00	116.00	177.00	261.00	286.00	515.00	396.00	350.00	241.00	154.00	160.00	90.10
1954	87.00	94.70	98.80	117.00	242.00	509.00	870.00	462.00	388.00	336.00	283.00	142.00
1955	1939.0	470.00	450.00	750.00	492.00	745.00	507.00	285.00	274.00	165.00	116.00	102.00
1956	154.00	214.00	160.00	122.00	452.00	511.00	323.00	1085.0	269.00	155.00	145.00	97.60
1957	83.20	94.80	106.00	130.00	190.00	194.00	708.00	428.00	260.00	269.00	130.00	106.00
1958	168.00	306.00	581.00	356.00	301.00	493.00	243.00	169.00	389.00	327.00	652.00	257.00
1959	168.00	315.00	205.00	246.00	1193.0	861.00	785.00	544.00	354.00	262.00	132.00	115.00
1960	226.00	467.00	386.00	597.00	812.00	430.00	1115.0	392.00	467.00	238.00	191.00	167.00
1961	139.00	193.00	156.00	135.00	345.00	912.00	942.00	529.00	335.00	188.00	381.00	308.00
1962	270.00	355.00	322.00	491.00	396.00	1214.0	468.00	251.00	199.00	137.00	112.00	97.10
1963	119.00	129.00	101.00	71.30	107.00	637.00	247.00	215.00	172.00	355.00	167.00	105.00
1964	89.50	101.00	91.60	115.00	119.00	307.00	480.00	255.00	157.00	277.00	93.60	75.90
1965	77.50	83.30	118.00	450.00	462.00	713.00	837.00	342.00	151.00	120.00	125.00	342.00
1966	274.00	197.00	691.00	542.00	386.00	509.00	544.00	780.00	225.00	145.00	171.00	104.00
1967	91.50	254.00	1070.0	277.00	509.00	963.00	944.00	448.00	294.00	175.00	135.00	109.00
1968	135.00	362.00	968.00	412.00	1178.0	468.00	741.00	321.00	546.00	396.00	333.00	217.00
1969	195.00	279.00	479.00	672.00	672.00	358.00	692.00	410.00	312.00	359.00	184.00	143.00
1970	195.00	326.00	232.00	241.00	275.00	283.00	992.00	641.00	285.00	221.00	173.00	199.00
1971	234.00	329.00	327.00	175.00	732.00	533.00	248.00	200.00	162.00	115.00	97.80	97.70
1972	94.80	98.40	219.00	414.00	210.00	524.00	879.00	755.00	219.00	439.00	435.00	692.00
1973	862.00	883.00	805.00	1058.0	556.00	882.00	884.00	411.00	476.00	237.00	183.00	131.00
1974	129.00	149.00	265.00	731.00	657.00	933.00	550.00	769.00	453.00	199.00	130.00	122.00
1975	110.00	162.00	175.00	466.00	561.00	545.00	755.00	581.00	1113.0	255.00	188.00	181.00
1976	145.00	173.00	541.00	278.00	1021.0	1197.0	515.00	473.00	426.00	341.00	256.00	136.00
1977	139.00	158.00	146.00	116.00	299.00	1101.0	817.00	265.00	198.00	295.00	122.00	313.00
1978	251.00	218.00	691.00	236.00	197.00	1278.0	1153.0	501.00	244.00	174.00	117.00	105.00
1979	101.00	117.00	150.00	199.00	203.00	1229.0	882.00	594.00	221.00	139.00	156.00	120.00
1980	126.00	255.00	444.00	316.00	303.00	691.00	828.00	280.00	454.00	142.00	282.00	293.00
1981	175.00	165.00	449.00	195.00	770.00	365.00	767.00	1113.0	1097.0	505.00	448.00	371.00
1982	398.00	364.00	333.00	475.00	514.00	2127.0	769.00	375.00	377.00	368.00	224.00	137.00
1983	127.00	520.00	945.00	372.00	401.00	431.00	1120.0	993.00	318.00	404.00	179.00	132.00
1984	134.00	154.00	385.00	180.00	677.00	726.00	597.00	530.00	472.00	225.00	145.00	126.00
1985	245.00	425.00	577.00	714.00	788.00	1443.0	1333.0	302.00	242.00	139.00	142.00	144.00

ILLINOIS RIVER BASIN  
05517000 YELLOW RIVER AT KNOX, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
108.00	129.00	159.00	179.00	296.00	479.00
FIFTIETH PERCENTILE					
139.00	205.00	325.00	338.00	457.00	653.00
SEVENTY FIFTH PERCENTILE					
228.00	336.00	518.00	599.00	679.00	968.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
513.00	316.00	242.00	155.00	123.00	104.00
FIFTIETH PERCENTILE					
759.00	455.00	322.00	223.00	158.00	132.00
SEVENTY FIFTH PERCENTILE					
899.00	648.00	453.00	337.00	255.00	204.00

## 05517500 KANKAKEE RIVER AT DUNNS BRIDGE, IN

LOCATION.--Lat 41°13'17", long 86°57'52", in NE¼SE¼ sec.15, T.32 N., R.5 W., Jasper County, Hydrologic Unit 07120001, on left bank at downstream side of abandoned bridge at Dunns Bridge, 1.8 mi north of Tefft, 3.6 mi upstream from Davis ditch, and at mile 90.8.

DRAINAGE AREA.--1,352 mi<sup>2</sup>, of which 192 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--July 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 649.65 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to July 17, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 1,336 ft<sup>3</sup>/s, 13.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,870 ft<sup>3</sup>/s Mar. 23, 1982; maximum gage height, 13.38 ft Mar. 20, 1982; minimum daily discharge, 280 ft<sup>3</sup>/s Jan. 25-29, 1963.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1949					7	24	54	18	28	11	17	7	21	17	10	19	20	19	40	5	12	1	4	12	5	8	6										
1950					3	3	2	22	20	19	19	20	11	5	6	4	5	21	10	10	2	8	15	21	46	12	31	20	11	4	6	9					
1951											30	32	16	32	18	22	17	14	28	16	28	25	27	13	13	21	7	6									
1952						2	22	8	5	10	13	6	13	15	13	5	3	3	23	32	35	12	19	28	22	42	15	17	3								
1953				2	17	17	27	24	22	18	38	20	27	22	22	22	27	25	23	3	3			4	2												
1954	4	4	10	24	20	33	24	18	16	14	19	9	14	22	28	17	12	16	3	8	9	14	5	6	10	3	3										
1955					17	19	6	9	7	8	9	6	15	4	18	9	42	35	9	25	20	20	17	17	9	9	8	8	3	5	3	8					
1956				4	14	7	12	6	13	38	32	30	37	29	15	15	25	21	12	3	6	4	6	5	7	5	4	7	7	2							
1957				6	31	30	64	12	12	16	18	30	14	11	16	16	10	8	16	11	26	6	1	2	2	2	2	3									
1958					15			1		8	18	20	13	32	24	32	37	30	48	11	19	10	14	12	9	12											
1959				11	5	10	8	4	28	21	15	35	24	24	15	18	11	10	22	6	12	6	5	5	8	17	7	22	12	4							
1960									12	8	9	14	15	19	10	11	24	42	53	19	38	11	10	12	13	16	5	10	15								
1961					5	15	19	4	16	23	31	21	35	27	19	20	16	8	18	12	18	6	6	8	11	13	2	2	4	6							
1962					5	24	21	6	8	10	10	12	3	34	29	33	36	41	25	10	11	5	5	5	3	6	2	3	12	6							
1963	9	4	10	31	38	15	9	26	49	43	19	3	14	23	20	6	3	4	2	4	4	3	8	7	6	5											
1964	19	2	51	24	27	50	24	32	20	12	18	11	19	10	10	9	6	16	3	3																	
1965		1	16	33	30	10	13	20	21	12	11	18	14	11	12	9	11	18	7	15	2	24	10	19	23	4	1										
1966					15	13	10	13	10	12	21	23	31	28	25	15	33	9	24	16	13	6	6	12	14	12	4										
1967					12	36	24	21	7	3	11	6	12	5	5	20	14	39	22	18	3	7	10	6	26	12	26	20									
1968					7	5	3	6	8	15	22	21	18	38	26	30	38	12	21	6	18	16	6	15	8	9	10	3	5								
1969						19	14	6	36	16	5	3	4	10	39	28	42	22	22	12	21	19	16	13	6	9	2	1									
1970						10	16	17	17	8	15	28	39	52	21	14	35	7	19	7	10	8	7	9	7	15	4										
1971					16	18	10	23	13	19	16	15	23	23	26	29	37	37	14	15	11	7	6	4	3												
1972					15	23	14	19	6	4	12	21	36	25	21	10	27	7	27	11	13	24	15	15	13	8											
1973						14	14	7	7	8	10	8	7	7	5	20	14	20	12	16	48	51	52	12	20	10	3										
1974						15	8	17	44	31	12	24	15	8	9	7	6	18	15	26	8	20	15	14	17	12	12	12									
1975						11	14	6	11	27	38	29	23	11	18	7	8	26	16	26	14	16	15	10	13	9	7	10									
1976						12	26	22	24	23	7	19	18	21	12	20	29	10	21	8	14	16	8	13	7	6	8	8	14								
1977						3	13	10	49	43	59	31	20	15	9	10	7	14	9	15	5	6	8	10	17	2	3	7									
1978					7	10	15	13	11	20	53	12	27	33	16	20	14	13	6	16	4	11	8	10	11	2	3	4	3	12	11						
1979						11	31	41	29	40	39	24	19	10	11	16	5	8	3	2	1	6	7	3	16	18	12	3	2	5	3						
1980						5	12	8	14	16	16	24	29	23	17	34	28	42	16	15	7	12	8	15	13	5	7										
1981											30	42	10	7	33	32	18	25	10	17	16	17	13	14	21	7	14	18	6	5	8	2					
1982									10	11	11	9	2	9	12	27	46	25	45	23	21	12	19	14	11	10	2	4	14	4	4	3	6	9	2		
1983										34	17	17	12	7	4	10	10	15	64	17	23	8	18	14	10	27	8	10	21	8	8	3					
1984						13	3	11	29	44	23	24	17	10	10	14	12	32	11	18	12	15	19	13	11	8	16	1									
1985							2	32	25	21	14	12	11	17	21	23	22	35	14	8	5	16	9	3	4	5	9	15	5	6	8	21	2				

## ILLINOIS RIVER BASIN

05517500 KANKAKEE RIVER AT DUMMS BRIDGE, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13514	100.00	12	770.0	632	9247	68.43	24	2300.0	395	1995	14.76
1	280.0	32	13514	100.00	13	840.0	696	8615	63.75	25	2500.0	554	1600	11.84
2	310.0	11	13482	99.76	14	920.0	598	7919	58.60	26	2800.0	240	1046	7.74
3	340.0	110	13471	99.68	15	1000.0	700	7321	54.17	27	3000.0	315	806	5.96
4	370.0	196	13361	98.87	16	1100.0	699	6621	48.99	28	3300.0	244	491	3.63
5	400.0	314	13165	97.42	17	1200.0	633	5922	43.82	29	3700.0	75	247	1.83
6	440.0	516	12851	95.09	18	1300.0	1040	5289	39.14	30	4000.0	68	172	1.27
7	490.0	375	12335	91.28	19	1500.0	419	4249	31.44	31	4400.0	45	104	0.77
8	530.0	560	11960	88.50	20	1600.0	647	3830	28.34	32	4800.0	46	59	0.44
9	580.0	670	11400	84.36	21	1800.0	301	3183	23.55	33	5300.0	11	13	0.10
10	640.0	739	10730	79.40	22	1900.0	445	2882	21.33	34	5800.0	2	2	0.01
11	700.0	744	9991	73.93	23	2100.0	442	2437	18.03					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	441.0
P90 =	508.0
P75 =	688.0
P70 =	750.0
P50 =	1080.0
P25 =	1740.0
P10 =	2630.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	375.00 8	378.00 8	385.00 7	401.00 7	416.00 7	445.00 6	492.00 6	519.00 5	597.00 7
1951	670.00 34	670.00 34	670.00 34	679.00 33	686.00 32	708.00 30	740.00 27	802.00 26	1040.00 28
1952	720.00 35	720.00 35	724.00 35	771.00 35	788.00 34	833.00 33	931.00 33	1160.00 34	1340.00 34
1953	432.00 16	436.00 16	445.00 16	458.00 15	460.00 12	486.00 9	494.00 7	529.00 7	597.00 8
1954	300.00 2	300.00 2	338.00 3	357.00 4	363.00 4	379.00 3	390.00 3	412.00 3	459.00 2
1955	488.00 22	488.00 21	493.00 20	514.00 21	550.00 22	691.00 28	821.00 30	888.00 31	1220.00 33
1956	400.00 10	400.00 10	411.00 11	422.00 9	450.00 10	499.00 14	579.00 15	652.00 15	674.00 11
1957	362.00 7	362.00 6	367.00 6	369.00 6	372.00 5	380.00 4	398.00 4	417.00 4	460.00 3
1958	425.00 15	425.00 15	425.00 14	425.00 11	438.00 9	486.00 10	553.00 14	692.00 20	887.00 21
1959	545.00 28	545.00 27	562.00 29	571.00 28	581.00 25	666.00 26	732.00 26	750.00 23	901.00 22
1960	349.00 5	349.00 5	355.00 5	362.00 5	397.00 6	514.00 16	626.00 18	722.00 21	924.00 25
1961	385.00 9	390.00 9	402.00 9	423.00 10	462.00 13	485.00 8	593.00 16	613.00 12	630.00 10
1962	573.00 30	582.00 30	613.00 31	653.00 32	774.00 33	955.00 34	939.00 34	1000.00 33	1040.00 29
1963	280.00 1	280.00 1	283.00 1	300.00 1	340.00 2	413.00 5	481.00 5	525.00 6	523.00 5
1964	341.00 4	341.00 4	341.00 4	346.00 3	349.00 3	367.00 2	386.00 2	402.00 2	441.00 1
1965	301.00 3	301.00 3	301.00 2	301.00 2	327.00 1	360.00 1	375.00 1	379.00 1	495.00 4
1966	361.00 6	367.00 7	395.00 8	403.00 8	419.00 8	496.00 12	541.00 12	626.00 14	839.00 18
1967	414.00 14	417.00 14	427.00 15	443.00 14	464.00 14	474.00 7	534.00 9	578.00 10	753.00 14
1968	408.00 13	411.00 13	420.00 13	439.00 13	483.00 15	499.00 13	540.00 10	617.00 13	823.00 17
1969	594.00 33	603.00 33	626.00 32	649.00 31	673.00 31	704.00 29	749.00 28	817.00 28	1040.00 30
1970	503.00 23	505.00 24	507.00 23	521.00 22	526.00 18	577.00 19	704.00 24	808.00 27	849.00 19
1971	513.00 25	525.00 26	544.00 26	570.00 27	611.00 28	738.00 32	868.00 31	980.00 32	1090.00 31
1972	401.00 11	404.00 11	415.00 12	434.00 12	453.00 11	494.00 11	540.00 11	532.00 8	568.00 6
1973	589.00 32	598.00 32	641.00 33	719.00 34	792.00 35	1090.00 35	1180.00 35	1250.00 35	1680.00 36
1974	543.00 27	546.00 28	553.00 27	568.00 26	589.00 26	611.00 20	622.00 17	661.00 16	786.00 16
1975	450.00 19	454.00 18	462.00 18	468.00 17	503.00 17	538.00 17	547.00 13	604.00 11	679.00 12
1976	503.00 24	503.00 23	513.00 24	528.00 23	566.00 24	617.00 21	675.00 21	691.00 19	908.00 23
1977	516.00 26	519.00 25	532.00 25	555.00 25	565.00 23	619.00 22	643.00 19	682.00 17	688.00 13
1978	486.00 21	490.00 22	494.00 21	507.00 19	544.00 21	636.00 24	757.00 29	791.00 25	925.00 26
1979	403.00 12	404.00 12	409.00 10	461.00 16	490.00 16	512.00 15	515.00 8	533.00 9	623.00 9
1980	479.00 20	482.00 20	507.00 22	544.00 24	595.00 27	655.00 25	685.00 22	682.00 18	764.00 15
1981	446.00 18	455.00 19	476.00 19	510.00 20	535.00 20	728.00 31	874.00 32	883.00 30	924.00 24
1982	953.00 36	956.00 36	985.00 36	1030.00 36	1130.00 36	1310.00 36	1380.00 36	1350.00 36	1400.00 35
1983	548.00 29	551.00 29	555.00 28	573.00 29	616.00 29	624.00 23	729.00 25	858.00 29	1100.00 32
1984	585.00 31	590.00 31	606.00 30	615.00 30	668.00 30	679.00 27	687.00 23	730.00 22	855.00 20
1985	440.00 17	448.00 17	461.00 17	469.00 18	530.00 19	572.00 18	654.00 20	774.00 24	1030.00 27

## 05517500 KANKAKEE RIVER AT DUNNS BRIDGE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	2980.00 32	2980.00 31	2900.00 30	2760.00 28	2290.00 31	2060.00 30	1830.00 30	1670.00 30	1440.00 30
1950	5200.00 4	5130.00 4	5060.00 4	4820.00 3	4380.00 3	3850.00 3	3470.00 1	3350.00 1	2920.00 1
1951	3230.00 26	3200.00 26	3080.00 26	2640.00 30	2260.00 32	2120.00 28	2090.00 24	1990.00 22	1820.00 20
1952	3380.00 23	3340.00 23	3260.00 23	3080.00 22	2890.00 17	2560.00 14	2510.00 13	2390.00 11	2260.00 9
1953	2150.00 36	2110.00 36	1990.00 36	1720.00 36	1480.00 36	1360.00 36	1290.00 36	1220.00 36	1100.00 36
1954	3100.00 29	3070.00 29	2950.00 29	2580.00 31	2380.00 29	2060.00 31	1780.00 31	1630.00 31	1400.00 32
1955	5290.00 3	5260.00 3	5130.00 3	4780.00 4	4110.00 5	3030.00 9	2610.00 12	2460.00 8	2280.00 7
1956	3740.00 15	3720.00 14	3570.00 15	3280.00 16	2940.00 15	2110.00 29	1900.00 29	1780.00 29	1450.00 29
1957	3100.00 30	3030.00 30	2840.00 32	2400.00 34	2020.00 33	1750.00 32	1570.00 33	1420.00 33	1200.00 34
1958	2730.00 34	2710.00 34	2640.00 34	2450.00 33	2000.00 34	1680.00 35	1610.00 32	1540.00 32	1420.00 31
1959	3850.00 13	3800.00 13	3640.00 14	3420.00 13	3170.00 12	2990.00 11	2760.00 7	2420.00 9	1950.00 14
1960	3660.00 18	3630.00 17	3540.00 16	3180.00 18	3050.00 13	2360.00 19	2310.00 15	2220.00 15	1980.00 12
1961	3950.00 11	3930.00 11	3820.00 11	3470.00 12	2880.00 18	2310.00 23	2140.00 21	1920.00 23	1610.00 27
1962	3850.00 12	3830.00 12	3770.00 12	3620.00 11	3270.00 10	2480.00 16	2080.00 25	1880.00 24	1640.00 25
1963	2910.00 33	2880.00 33	2820.00 33	2660.00 29	2360.00 30	1740.00 33	1460.00 35	1260.00 35	1100.00 35
1964	1700.00 37	1660.00 37	1530.00 37	1440.00 37	1280.00 37	1140.00 37	1010.00 37	936.00 37	822.00 37
1965	3000.00 31	2970.00 32	2850.00 31	2490.00 32	2470.00 28	2320.00 22	2160.00 20	2020.00 20	1660.00 24
1966	3360.00 24	3330.00 24	3280.00 22	3090.00 20	2750.00 22	2170.00 27	2020.00 27	1880.00 25	1850.00 18
1967	3600.00 19	3580.00 19	3500.00 18	3350.00 15	3280.00 9	3030.00 10	2680.00 9	2410.00 10	2280.00 8
1968	4110.00 10	4090.00 10	4010.00 10	3670.00 10	2910.00 16	2350.00 20	2290.00 16	2110.00 18	1890.00 16
1969	3800.00 14	3600.00 18	3210.00 24	2860.00 26	2770.00 21	2180.00 26	2030.00 26	2090.00 19	1910.00 15
1970	3440.00 22	3410.00 22	3290.00 21	3010.00 23	2850.00 19	2620.00 13	2270.00 18	2000.00 21	1700.00 22
1971	2580.00 35	2560.00 35	2480.00 35	2230.00 35	1920.00 35	1730.00 34	1510.00 34	1380.00 34	1380.00 33
1972	3120.00 28	3100.00 28	3010.00 28	2810.00 27	2600.00 26	2350.00 21	2110.00 22	1840.00 26	1690.00 23
1973	3720.00 16	3710.00 15	3660.00 13	3370.00 14	2960.00 14	2710.00 12	2650.00 11	2600.00 5	2480.00 3
1974	3520.00 20	3490.00 20	3380.00 19	3080.00 21	2700.00 23	2490.00 15	2380.00 14	2280.00 13	2110.00 10
1975	3500.00 21	3450.00 21	3370.00 20	3180.00 19	2620.00 25	2390.00 18	2280.00 17	2170.00 16	1970.00 13
1976	4310.00 9	4300.00 9	4290.00 9	4100.00 7	3900.00 6	3290.00 4	2850.00 5	2520.00 6	2090.00 11
1977	3670.00 17	3640.00 16	3510.00 17	3200.00 17	2820.00 20	2470.00 17	2090.00 23	1790.00 28	1470.00 28
1978	4500.00 7	4490.00 7	4450.00 6	4430.00 5	4190.00 4	3260.00 6	2740.00 8	2310.00 12	1870.00 17
1979	4530.00 6	4510.00 6	4350.00 7	3900.00 9	3380.00 8	3050.00 8	2670.00 10	2260.00 14	1740.00 21
1980	3160.00 27	3140.00 27	3080.00 27	2900.00 25	2700.00 24	2270.00 25	1960.00 28	1840.00 27	1630.00 26
1981	4870.00 5	4840.00 5	4660.00 5	4170.00 6	3170.00 11	3120.00 7	2930.00 4	2740.00 4	2400.00 4
1982	5850.00 1	5800.00 1	5710.00 1	5510.00 1	4860.00 1	3910.00 2	3250.00 3	2860.00 3	2330.00 6
1983	4460.00 8	4430.00 8	4330.00 8	3930.00 8	3620.00 7	3280.00 5	2760.00 6	2500.00 7	2340.00 5
1984	3310.00 25	3250.00 25	3150.00 25	2950.00 24	2520.00 27	2290.00 24	2210.00 19	2160.00 17	1840.00 19
1985	5350.00 2	5320.00 2	5220.00 2	5050.00 2	4430.00 2	4260.00 1	3420.00 2	3060.00 2	2560.00 2

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	1340.00 20
1951	1710.00 32
1952	1810.00 34
1953	1050.00 8
1954	759.00 2
1955	1750.00 33
1956	981.00 7
1957	862.00 3
1958	1240.00 13
1959	1260.00 14
1960	1440.00 24
1961	1190.00 9
1962	1410.00 21
1963	896.00 4
1964	658.00 1
1965	928.00 6
1966	1300.00 19
1967	1420.00 22
1968	1530.00 27
1969	1420.00 23
1970	1200.00 10

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	995.00 32
1950	1980.00 1
1951	1440.00 13
1952	1690.00 7
1953	829.00 35
1954	964.00 33
1955	1620.00 8
1956	1060.00 30
1957	845.00 34
1958	1250.00 24
1959	1320.00 21
1960	1540.00 9
1961	1150.00 27
1962	1200.00 25
1963	810.00 36
1964	618.00 37
1965	1130.00 28
1966	1350.00 19
1967	1520.00 10
1968	1500.00 11
1969	1430.00 14

## ILLINOIS RIVER BASIN

05517500 KANKAKEE RIVER AT DUNMS BRIDGE, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	1470.00	26
1972	911.00	5
1973	2060.00	35
1974	1450.00	25
1975	1270.00	15
1976	1600.00	29
1977	1200.00	11
1978	1200.00	12
1979	1290.00	18
1980	1280.00	16
1981	1280.00	17
1982	2080.00	36
1983	1640.00	30
1984	1570.00	28
1985	1710.00	31

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	1300.00	22
1971	1060.00	31
1972	1370.00	16
1973	1960.00	2
1974	1410.00	15
1975	1360.00	17
1976	1490.00	12
1977	1110.00	29
1978	1360.00	18
1979	1200.00	26
1980	1290.00	23
1981	1760.00	3
1982	1760.00	4
1983	1750.00	5
1984	1330.00	20
1985	1710.00	6

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	465.00	536.00	696.00	1679.0	2169.0	1604.0	1240.0	1043.0	980.00	694.00	502.00	426.00
1950	567.00	590.00	1314.0	2860.0	2787.0	3147.0	4376.0	2166.0	2172.0	1938.0	1080.0	786.00
1951	701.00	746.00	1288.0	1744.0	1753.0	1825.0	2249.0	1979.0	1282.0	1862.0	1033.0	794.00
1952	1254.0	2262.0	1950.0	2870.0	2223.0	1921.0	2264.0	1747.0	1741.0	928.00	621.00	474.00
1953	499.00	536.00	696.00	818.00	902.00	1421.0	1230.0	1198.0	943.00	724.00	590.00	392.00
1954	370.00	417.00	532.00	532.00	867.00	1324.0	2173.0	1646.0	1207.0	1120.0	817.00	574.00
1955	3378.0	2484.0	1479.0	2308.0	1551.0	2247.0	1731.0	1219.0	1265.0	797.00	543.00	472.00
1956	819.00	879.00	711.00	622.00	1118.0	1620.0	1123.0	2886.0	1185.0	764.00	562.00	407.00
1957	377.00	418.00	470.00	647.00	766.00	719.00	1664.0	1769.0	1162.0	1044.0	622.00	481.00
1958	776.00	1278.0	1702.0	1485.0	1076.0	1744.0	1083.0	767.00	1529.0	1155.0	1500.0	828.00
1959	616.00	818.00	764.00	1067.0	2450.0	2693.0	2513.0	1908.0	1107.0	909.00	606.00	432.00
1960	1105.0	1675.0	1396.0	1757.0	2428.0	1502.0	2995.0	1561.0	1588.0	1033.0	862.00	640.00
1961	618.00	773.00	598.00	507.00	927.00	2178.0	1991.0	2100.0	1181.0	834.00	1143.0	992.00
1962	1026.0	1128.0	1144.0	1283.0	1229.0	2784.0	2107.0	1132.0	1044.0	648.00	480.00	441.00
1963	582.00	664.00	618.00	449.00	391.00	2170.0	1176.0	947.00	679.00	963.00	635.00	398.00
1964	350.00	422.00	447.00	550.00	481.00	840.00	1218.0	936.00	660.00	780.00	371.00	360.00
1965	403.00	398.00	776.00	1463.0	1662.0	2141.0	2389.0	1478.0	718.00	553.00	464.00	1113.0
1966	1218.0	988.00	1495.0	2098.0	1372.0	1731.0	1618.0	2628.0	1144.0	761.00	667.00	496.00
1967	471.00	989.00	2672.0	1389.0	1715.0	2456.0	3195.0	2230.0	1259.0	819.00	538.00	485.00
1968	667.00	1215.0	1975.0	1305.0	2874.0	1834.0	2123.0	1235.0	1383.0	1722.0	992.00	737.00
1969	685.00	1011.0	1576.0	2073.0	2184.0	1416.0	2362.0	1869.0	1353.0	1289.0	820.00	529.00
1970	821.00	1197.0	984.00	779.00	1201.0	1177.0	2781.0	2445.0	1525.0	1041.0	714.00	974.00
1971	1219.0	1442.0	1310.0	908.00	1414.0	1898.0	1171.0	927.00	817.00	549.00	465.00	629.00
1972	535.00	517.00	1123.0	1582.0	984.00	1621.0	2387.0	2265.0	969.00	1251.0	1377.0	1810.0
1973	2579.0	2562.0	2332.0	2932.0	2029.0	2261.0	2705.0	1664.0	1953.0	1059.0	876.00	590.00
1974	633.00	655.00	992.00	1786.0	2044.0	2541.0	2050.0	2425.0	1726.0	927.00	582.00	575.00
1975	507.00	770.00	772.00	1468.0	1569.0	1875.0	2119.0	2120.0	2583.0	1028.0	751.00	766.00
1976	571.00	710.00	1701.0	1043.0	2330.0	3545.0	2095.0	1866.0	1362.0	1201.0	939.00	578.00
1977	666.00	750.00	758.00	629.00	1054.0	2537.0	2276.0	1210.0	819.00	934.00	547.00	1208.0
1978	1143.0	914.00	1777.0	803.00	704.00	2078.0	3793.0	2021.0	1165.0	857.00	544.00	523.00
1979	505.00	568.00	755.00	842.00	731.00	3137.0	2757.0	1995.0	954.00	610.00	805.00	662.00
1980	661.00	994.00	1548.0	1297.0	1089.0	1953.0	2493.0	1190.0	1517.0	636.00	960.00	1121.0
1981	817.00	758.00	1522.0	889.00	1883.0	1604.0	2237.0	3051.0	3167.0	1805.0	1969.0	1408.0
1982	1520.0	1318.0	1427.0	1448.0	1447.0	4076.0	3657.0	1808.0	1489.0	1309.0	950.00	620.00
1983	628.00	1723.0	2816.0	1645.0	1530.0	1475.0	3285.0	3231.0	1469.0	1700.0	853.00	681.00
1984	681.00	740.00	1440.0	787.00	1859.0	2116.0	2234.0	1962.0	1862.0	1057.0	652.00	556.00
1985	905.00	1385.0	1736.0	2257.0	1691.0	4229.0	3944.0	1403.0	996.00	659.00	684.00	598.00

05517500 KANKAKEE RIVER AT DUNNS BRIDGE, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
521.00	623.00	757.00	795.00	1019.00	1604.00
FIFTIETH PERCENTILE					
666.00	818.00	1310.00	1305.00	1530.00	1921.00
SEVENTY FIFTH PERCENTILE					
966.00	1247.00	1639.00	1751.00	2037.00	2497.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1698.00	1215.00	988.00	763.00	555.00	478.00
FIFTIETH PERCENTILE					
2237.00	1808.00	1259.00	934.00	684.00	590.00
SEVENTY FIFTH PERCENTILE					
2731.00	2143.00	1527.00	1178.00	945.00	790.00

## 05517530 KANKAKEE RIVER NEAR KOUTS, IN

LOCATION.--Lat 41°15'14", long 87°02'02", in SW¼NE¼ sec.6, T.32 N., R.5 W., Jasper County, Hydrologic Unit 07120001, on left bank, 20 ft downstream from bridge on State Highway 49, 4.5 mi south of Kouts, 0.7 mi upstream from Cook ditch, and at mile 86.7.

DRAINAGE AREA.--1,376 mi<sup>2</sup>, of which 194 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1974 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 645.00 ft above National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--11 years, 1,508 ft<sup>3</sup>/s, 14.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,420 ft<sup>3</sup>/s Mar. 24, 1982, gage height, 14.52 ft; minimum daily, 335 ft<sup>3</sup>/s Sept. 12, 1978.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1975					1	14	14	6	6	41	27	36	22	16	9	8	14	13	27	12	25	14	15	7	10	6	11	11								
1976						25	27	15	23	19	14	15	25	16	15	15	13	26	10	15	15	14	7	10	8	10	8	11	10							
1977						12	14	49	44	53	22	18	21	17	8	8	4	7	18	6	12	7	15	9	8	2	5	6								
1978	4	3	4	9	16	13	8	11	48	18	13	34	34	16	12	11	4	14	6	13	6	10	7	11	4	2	4	5	15	10						
1979					19	38	15	41	20	32	42	15	12	16	13	11	7	2	3	1	1	2	6	5	5	8	22	15	5	5	4					
1980					2	11	8	13	19	6	16	25	15	26	24	25	30	21	23	27	6	12	10	8	11	16	4	6	2							
1981									11	41	29	12	34	27	21	14	8	19	12	21	15	7	18	16	9	14	12	10	10	5						
1982						7	6	17	9	4	9	20	33	26	37	25	39	11	26	18	13	10	7	2	4	7	11	5	5	4	4	5	1			
1983					10	6	19	19	19	9	5	7	10	9	13	19	28	46	9	22	16	9	9	22	6	14	21	13	5							
1984				5	7	11	22	41	18	27	15	17	7	13	11	8	12	13	31	6	16	16	18	13	11	10	14	4								
1985					1	5	20	20	19	25	13	11	7	20	30	22	16	24	16	5	15	10	7	4	4	3	5	9	7	10	12	23	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4018	100.00	12	900.0	172	2566	63.86	24	2600.0	120	585	14.56
1	335.0	4	4018	100.00	13	980.0	229	2394	59.58	25	2900.0	62	465	11.57
2	370.0	3	4014	99.90	14	1100.0	197	2165	53.88	26	3100.0	107	403	10.03
3	400.0	11	4011	99.83	15	1200.0	174	1968	48.98	27	3400.0	99	296	7.37
4	440.0	48	4000	99.55	16	1300.0	170	1794	44.65	28	3700.0	62	197	4.90
5	480.0	114	3952	98.36	17	1400.0	160	1624	40.42	29	4100.0	60	135	3.36
6	520.0	142	3838	95.52	18	1500.0	266	1464	36.44	30	4500.0	36	75	1.87
7	570.0	237	3696	91.99	19	1700.0	84	1198	29.82	31	4900.0	27	39	0.97
8	630.0	164	3459	86.09	20	1800.0	178	1114	27.73	32	5300.0	6	12	0.30
9	680.0	312	3295	82.01	21	2000.0	129	936	23.30	33	5800.0	5	6	0.15
10	750.0	240	2983	74.24	22	2200.0	122	807	20.08	34	6400.0	1	1	0.02
11	820.0	177	2743	68.27	23	2400.0	100	685	17.05					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 527.0  
P90 = 590.0  
P75 = 743.0  
P70 = 800.0  
P50 = 1180.0  
P25 = 1920.0  
P10 = 3100.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1976	521.00 7	522.00 7	533.00 7	549.00 7	589.00 8	647.00 7	708.00 6	730.00 5	948.00 6
1977	528.00 8	546.00 8	563.00 8	567.00 8	575.00 7	607.00 4	622.00 4	656.00 2	672.00 2
1978	485.00 5	491.00 5	500.00 5	526.00 6	546.00 4	641.00 6	750.00 7	805.00 7	950.00 7
1979	335.00 1	340.00 1	366.00 1	421.00 1	465.00 1	476.00 1	485.00 1	505.00 1	599.00 1
1980	460.00 4	466.00 4	492.00 4	511.00 4	564.00 5	608.00 5	680.00 5	687.00 4	779.00 3
1981	414.00 2	438.00 3	448.00 3	482.00 3	504.00 3	713.00 9	864.00 9	868.00 8	925.00 5
1982	948.00 10	951.00 10	971.00 10	1040.00 10	1140.00 10	1370.00 10	1430.00 10	1450.00 10	1470.00 10
1983	597.00 9	599.00 9	609.00 9	626.00 9	660.00 9	674.00 8	779.00 8	906.00 9	1130.00 9
1984	495.00 6	497.00 6	512.00 6	514.00 5	569.00 6	590.00 3	609.00 3	660.00 3	818.00 4
1985	415.00 3	427.00 2	431.00 2	453.00 2	497.00 2	530.00 2	607.00 2	738.00 6	1010.00 8



HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30																		
YEAR	1		3		7		15		30		60		90		120		183	
1975	3530.00	9	3510.00	9	3450.00	9	3300.00	8	2730.00	10	2470.00	9	2370.00	8	2240.00	9	2020.00	6
1976	4280.00	6	4270.00	6	4270.00	6	4120.00	6	3920.00	4	3360.00	5	2940.00	5	2610.00	4	2160.00	5
1977	3650.00	8	3620.00	8	3530.00	8	3280.00	9	2870.00	8	2520.00	8	2170.00	10	1870.00	11	1510.00	11
1978	4580.00	5	4570.00	4	4570.00	3	4520.00	3	4350.00	3	3460.00	3	2910.00	6	2440.00	7	1970.00	7
1979	4600.00	4	4570.00	5	4500.00	5	4200.00	4	3740.00	5	3420.00	4	3000.00	3	2530.00	5	1930.00	9
1980	3420.00	11	3400.00	11	3330.00	11	3080.00	11	2860.00	9	2370.00	11	2050.00	11	1910.00	10	1690.00	10
1981	4610.00	3	4600.00	3	4510.00	4	4140.00	5	3180.00	7	3140.00	7	2970.00	4	2780.00	3	2430.00	2
1982	6410.00	1	6360.00	1	6150.00	1	5650.00	1	4930.00	1	4000.00	2	3320.00	2	2920.00	2	2400.00	3
1983	4210.00	7	4190.00	7	4120.00	7	3870.00	7	3610.00	6	3320.00	6	2790.00	7	2520.00	6	2390.00	4
1984	3450.00	10	3410.00	10	3350.00	10	3140.00	10	2690.00	11	2430.00	10	2340.00	9	2290.00	8	1940.00	8
1985	5340.00	2	5320.00	2	5260.00	2	5130.00	2	4720.00	2	4600.00	1	3680.00	1	3260.00	1	2710.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	1660.00	7
1977	1230.00	1
1978	1250.00	2
1979	1350.00	4
1980	1350.00	5
1981	1290.00	3
1982	2130.00	10
1983	1680.00	8
1984	1570.00	6
1985	1780.00	9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	1400.00	7
1976	1540.00	5
1977	1130.00	11
1978	1420.00	6
1979	1290.00	10
1980	1310.00	9
1981	1770.00	3
1982	1830.00	1
1983	1760.00	4
1984	1360.00	8
1985	1790.00	2

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1975	520.00	785.00	799.00	1474.0	1580.0	1900.0	2204.0	2195.0	2674.0	1102.0	804.00	797.00
1976	594.00	757.00	1735.0	1065.0	2339.0	3635.0	2193.0	1989.0	1446.0	1247.0	937.00	586.00
1977	630.00	700.00	732.00	634.00	1079.0	2526.0	2391.0	1340.0	866.00	881.00	553.00	1261.0
1978	1181.0	968.00	1873.0	817.00	718.00	2143.0	4022.0	2216.0	1186.0	878.00	535.00	479.00
1979	477.00	542.00	704.00	859.00	720.00	3506.0	3121.0	2258.0	1045.0	662.00	866.00	637.00
1980	606.00	947.00	1596.0	1320.0	1119.0	2018.0	2631.0	1214.0	1592.0	609.00	929.00	1112.0
1981	828.00	783.00	1500.0	871.00	1857.0	1593.0	2320.0	3085.0	3172.0	1828.0	1996.0	1378.0
1982	1591.0	1449.0	1600.0	1492.0	1440.0	4100.0	3785.0	1876.0	1553.0	1351.0	1005.0	687.00
1983	662.00	1600.0	2828.0	1748.0	1596.0	1531.0	3332.0	3255.0	1442.0	1673.0	793.00	588.00
1984	605.00	694.00	1467.0	801.00	1948.0	2245.0	2382.0	2074.0	1979.0	1063.0	597.00	526.00
1985	863.00	1385.0	1746.0	2289.0	1795.0	4613.0	4230.0	1497.0	1027.0	657.00	738.00	621.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
594.00	700.00	799.00	817.00	1079.00	1900.00
FIFTIETH PERCENTILE					
630.00	785.00	1596.00	1065.00	1580.00	2245.00
SEVENTY FIFTH PERCENTILE					
863.00	1385.00	1746.00	1492.00	1857.00	3635.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
2320.00	1497.00	1045.00	662.00	597.00	586.00
FIFTIETH PERCENTILE					
2631.00	2074.00	1446.00	1063.00	804.00	637.00
SEVENTY FIFTH PERCENTILE					
3785.00	2258.00	1979.00	1351.00	937.00	1112.00

## 05517890 COBB DITCH NEAR KOUTS, IN

LOCATION.--Lat 41°20'19", long 87°04'30", in NW¼SE¼ sec. 2, T.33 N., R.6 W., Porter County, Hydrologic Unit 07120001, on left bank 15 ft upstream from bridge on County Road 50 West, 1.6 mi upstream from mouth, and 3 mi northwest of Kouts.

DRAINAGE AREA.--30.3 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1968 to September 1985. Prior to October 1971, published as State ditch near Kouts.

GAGE.--Water-stage recorder. Datum of gage is 652.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Oct. 19, 1978, water-stage recorder at site 1.4 mi downstream at same datum.

AVERAGE DISCHARGE.--17 years, 33.7 ft<sup>3</sup>/s, 15.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 795 ft<sup>3</sup>/s Mar. 29, 1985, gage height, 17.95 ft; minimum daily 8.9 ft<sup>3</sup>/s Sept. 11, 12, 1977.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1969		1	25	57	29	26	71	42	23	15	8	9	15	4	8	6	4	7	4	4	4	1	2													
1970		18	16	38	65	69	24	33	22	15	13	6	9	5	6	2	3	1	3	4	1	4	2	2	1	1	1	1	1							
1971		1	1	43	40	57	61	59	37	17	7	7	6	7	2	4	2	2	1	6	1	1	2													
1972			49	80	51	52	29	29	12	14	8	7	10	7	5	3	1			2	3		2					1		1						
1973			24	15	17	22	23	31	31	27	25	39	29	22	14	10	11	3	8	2		2	3	1		1		1	1	1	1		2			
1974			1	29	78	28	52	23	22	19	15	13	16	15	8	10	9	4	2	4	2	2	4	2	2	2	2	2	2	1						
1975				30	35	70	42	37	28	27	15	16	8	9	10	4	6	1	4	2	3	3	3			4	2	1	2	1	2					
1976				26	36	48	65	33	37	25	15	8	16	11	4	5	6	6	4	2	2	2	3	3	3	2	1	2	2		1			1		
1977	12	53	22	95	58	23	31	16	11	11	9	4	6	5	1	1		2	2	1			1			1										
1978	9	43	34	65	49	26	46	11	12	12	8	6	5	4	4	4	4	4	5	2	4	3		1	3						1					
1979		22	40	75	74	34	24	11	10	9	3	4	7	11	5	3	7	4	2	8	1	3	2	2	1	1							1	1		
1980		21	30	118	53	41	21	15	9	7	12	11	8	6	5	4		1		2	1			1												
1981		43	26	54	28	7	18	28	32	26	11	12	14	16	6	11	7	5	2	3	2	1	4	2				1	1	1	1	1	1	1		
1982			15	26	22	35	76	60	28	21	11	11	12	8	7	2	4	6	4	3	2	4				2	1	2	1						1	
1983			5	51	29	25	39	57	34	26	21	17	8	9	8	10	3	1	4	1	2	4	2			1	2	1	2			2	1			
1984			1	63	33	63	50	34	25	19	13	9	10	5	4	6	10	3	4	1	3	1	4	2	1		1		2							
1985			13	62	49	53	48	38	18	17	10	9	5	9	4	7	2	1	5	4	1	2		1					1	4			2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.00	12	37.0	190	1269	20.44	24	180.0	25	115	1.85
1	8.9	21	6209	100.00	13	42.0	207	1079	17.38	25	200.0	15	90	1.45
2	10.0	184	6188	99.66	14	48.0	170	872	14.04	26	230.0	13	75	1.21
3	12.0	197	6004	96.70	15	55.0	117	702	11.31	27	260.0	13	62	1.00
4	13.0	685	5807	93.53	16	62.0	106	585	9.42	28	290.0	12	49	0.79
5	15.0	810	5122	82.49	17	71.0	83	479	7.71	29	330.0	15	37	0.60
6	17.0	591	4312	69.45	18	80.0	75	396	6.38	30	360.0	5	22	0.35
7	19.0	778	3721	59.93	19	92.0	38	321	5.17	31	430.0	5	17	0.27
8	22.0	569	2943	47.40	20	100.0	66	283	4.56	32	490.0	8	12	0.19
9	25.0	512	2374	38.23	21	120.0	37	217	3.49	33	560.0	3	4	0.06
10	29.0	339	1862	29.99	22	140.0	25	180	2.90	34	640.0	1	1	0.02
11	33.0	254	1523	24.53	23	150.0	40	155	2.50					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 12.5  
P90 = 13.6  
P75 = 16.1  
P70 = 16.9  
P50 = 21.4  
P25 = 32.7  
P10 = 59.8

## 05517890 COBB DITCH NEAR KOUTS, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1970	12.00 9	12.00 6	12.00 5	12.00 5	13.00 6	14.00 6	16.00 9	17.00 8	17.00 6
1971	11.00 5	12.00 7	13.00 8	14.00 8	15.00 11	18.00 15	21.00 15	23.00 15	22.00 12
1972	13.00 10	14.00 12	14.00 11	14.00 9	14.00 7	14.00 7	15.00 6	17.00 9	17.00 7
1973	14.00 11	14.00 13	15.00 12	15.00 13	16.00 12	16.00 11	17.00 10	19.00 13	25.00 15
1974	12.00 6	13.00 8	13.00 9	14.00 10	14.00 8	14.00 8	15.00 7	15.00 6	17.00 8
1975	15.00 14	15.00 14	15.00 13	15.00 11	16.00 13	16.00 12	17.00 11	17.00 7	19.00 9
1976	16.00 16	16.00 16	16.00 16	16.00 14	16.00 14	17.00 13	18.00 14	19.00 14	22.00 13
1977	9.50 2	9.70 2	9.90 2	10.00 2	11.00 4	12.00 3	13.00 2	14.00 3	14.00 2
1978	8.90 1	9.10 1	9.50 1	9.80 1	10.00 1	11.00 1	13.00 3	14.00 4	14.00 3
1979	10.00 3	11.00 4	11.00 3	11.00 3	11.00 2	12.00 4	13.00 4	13.00 1	14.00 4
1980	12.00 7	12.00 5	12.00 6	13.00 6	13.00 5	13.00 5	13.00 5	14.00 5	15.00 5
1981	10.00 4	10.00 3	11.00 4	11.00 4	11.00 3	11.00 2	12.00 1	13.00 2	13.00 1
1982	12.00 8	13.00 9	13.00 7	21.00 16	22.00 16	30.00 16	28.00 16	31.00 16	33.00 16
1983	14.00 12	14.00 10	14.00 10	14.00 7	15.00 9	15.00 9	16.00 8	18.00 10	21.00 10
1984	15.00 15	15.00 15	15.00 14	16.00 15	16.00 15	17.00 14	17.00 12	18.00 11	22.00 14
1985	14.00 13	14.00 11	15.00 15	15.00 12	15.00 10	15.00 10	17.00 13	18.00 12	21.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1969	150.00 17	142.00 15	118.00 14	101.00 13	74.00 13	52.00 14	48.00 13	47.00 13	40.00 12
1970	368.00 11	267.00 10	208.00 8	131.00 10	95.00 10	84.00 7	72.00 8	60.00 11	48.00 10
1971	290.00 14	188.00 14	114.00 15	74.00 16	59.00 16	52.00 15	42.00 15	36.00 15	33.00 15
1972	361.00 12	258.00 11	154.00 13	95.00 14	69.00 14	56.00 13	48.00 14	41.00 14	36.00 14
1973	551.00 5	391.00 5	235.00 6	135.00 9	100.00 7	79.00 8	73.00 7	73.00 3	68.00 1
1974	290.00 13	227.00 13	191.00 9	142.00 6	94.00 11	73.00 11	67.00 9	63.00 8	56.00 7
1975	481.00 8	291.00 8	161.00 12	142.00 7	105.00 6	78.00 9	76.00 3	74.00 1	67.00 2
1976	600.00 4	377.00 7	260.00 4	180.00 3	145.00 2	94.00 4	86.00 1	73.00 2	57.00 5
1977	201.00 15	121.00 17	79.00 17	57.00 17	52.00 17	43.00 17	35.00 17	30.00 17	25.00 17
1978	427.00 9	276.00 9	190.00 10	139.00 8	115.00 5	73.00 10	60.00 12	50.00 12	38.00 13
1979	522.00 6	407.00 4	276.00 2	178.00 4	131.00 3	96.00 3	75.00 4	61.00 9	46.00 11
1980	197.00 16	132.00 16	88.00 16	75.00 15	59.00 15	45.00 16	36.00 16	32.00 16	27.00 16
1981	639.00 2	478.00 2	266.00 3	156.00 5	98.00 8	85.00 5	74.00 6	72.00 4	59.00 3
1982	721.00 1	506.00 1	372.00 1	243.00 1	150.00 1	109.00 1	83.00 2	72.00 5	58.00 4
1983	601.00 3	425.00 3	222.00 7	124.00 11	97.00 9	84.00 6	67.00 10	68.00 7	56.00 6
1984	370.00 10	228.00 12	177.00 11	112.00 12	74.00 12	63.00 12	62.00 11	61.00 10	50.00 9
1985	507.00 7	390.00 6	245.00 5	182.00 2	115.00 4	99.00 2	75.00 5	69.00 6	54.00 8

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1970	24.00 4
1971	39.00 11
1972	22.00 2
1973	44.00 14
1974	37.00 9
1975	39.00 10
1976	46.00 15
1977	27.00 6
1978	22.00 3
1979	30.00 7
1980	25.00 5
1981	18.00 1
1982	55.00 16
1983	33.00 8
1984	42.00 12
1985	42.00 13

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1969	29.00 12
1970	33.00 10
1971	27.00 13
1972	27.00 14
1973	48.00 1
1974	37.00 8
1975	44.00 2
1976	39.00 5
1977	19.00 17
1978	27.00 15
1979	30.00 11
1980	21.00 16
1981	38.00 6
1982	41.00 4
1983	43.00 3
1984	36.00 9
1985	37.00 7

05517890 COBB DITCH NEAR KOUTS, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1969	12.80	16.60	25.50	59.20	37.90	27.00	51.80	36.80	21.10	25.30	15.00	14.10
1970	20.60	20.10	17.90	15.50	25.40	25.80	80.70	84.30	46.80	24.80	17.80	20.40
1971	30.40	27.30	23.20	15.10	60.10	44.20	21.70	18.50	25.30	20.10	14.80	22.80
1972	14.70	14.00	29.90	27.30	17.10	34.40	47.30	58.90	19.60	17.10	16.50	26.30
1973	35.30	63.40	77.00	63.60	49.30	51.50	97.50	44.30	41.60	21.90	18.00	14.20
1974	14.30	15.20	20.00	54.80	46.10	56.70	54.30	89.40	32.20	20.70	18.40	16.00
1975	15.70	20.60	21.00	62.80	75.20	49.50	103.00	34.60	77.00	26.80	21.80	19.00
1976	16.40	21.40	36.20	19.50	79.30	104.00	43.50	59.40	27.00	23.80	20.30	14.10
1977	16.00	14.40	15.20	11.00	26.70	49.50	26.90	15.50	15.00	16.80	11.90	12.90
1978	15.00	15.20	31.40	12.70	10.60	77.20	57.70	39.70	18.50	16.00	15.70	12.80
1979	12.20	12.60	16.10	19.90	15.10	124.00	62.20	33.10	17.60	15.10	16.80	13.50
1980	13.00	16.00	20.50	17.10	17.00	53.00	35.10	14.90	20.30	12.40	14.10	15.30
1981	11.50	11.00	20.30	13.20	29.10	18.00	58.20	53.20	95.40	70.90	36.40	39.30
1982	28.80	34.00	25.10	40.40	39.50	142.00	63.00	26.60	29.90	19.90	23.10	14.60
1983	14.90	29.20	74.40	26.20	40.00	36.20	88.70	69.50	26.00	71.50	18.50	16.80
1984	16.50	22.10	38.30	20.00	57.60	62.90	46.40	66.10	41.30	25.80	18.40	15.40
1985	16.90	22.80	35.20	44.40	78.70	96.90	49.00	24.70	18.90	15.30	24.20	16.90

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
13.70	14.80	20.10	15.30	21.19	35.30
FIFTIETH PERCENTILE					
15.70	20.10	25.10	20.00	39.50	51.50
SEVENTY FIFTH PERCENTILE					
18.69	25.00	35.70	49.60	58.80	87.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
44.90	25.60	19.19	16.30	15.40	14.10
FIFTIETH PERCENTILE					
54.30	39.70	26.00	20.69	18.00	15.40
SEVENTY FIFTH PERCENTILE					
71.80	62.70	41.40	25.40	20.90	19.69

## 05518000 KANKAKEE RIVER AT SHELBY, IN

LOCATION.--Lat 41°10'58", long 87°20'33", in SW¼NE¼ sec.33, T.32 N., R.8 W., Lake County, Hydrologic Unit 07120001, on right bank 25 ft upstream from Monon Railroad bridge, 1 mi south of Shelby, 7.7 mi upstream from Beaver Lake ditch, and at mile 67.9.

DRAINAGE AREA.--1,779 mi<sup>2</sup>, of which 201 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1922 to September 1985. Monthly discharge only for some periods, published in MSP 1308.

GAGE.--Water-stage recorder. Datum of gage is 628.13 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 19, 1934, nonrecording gage at highway bridge about 400 ft upstream. Dec. 19, 1934, to Oct. 4, 1965, water-stage recorder on left bank 50 ft downstream, and Oct. 5, 1965, to Sept. 21, 1966, nonrecording gage on right bank 200 ft upstream. All at same datum.

AVERAGE DISCHARGE.--63 years, 1,628 ft<sup>3</sup>/s, 12.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,650 ft<sup>3</sup>/s Mar. 26, 1982; maximum gage height, 12.98 ft Mar. 24, 1982; minimum daily discharge, 260 ft<sup>3</sup>/s Jan. 13-15, 1954.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1924										16	20	17	13	16	21	17	8	25	7	16	18	20	50	21	17	47	5	12									
1925								50	53	47	43	14	6	15	58	11	11	15	7	8	7	3	5	4	2	5	1										
1926									16	48	19	43	15	18	23	16	19	29	9	12	23	7	15	9	11	8	12	5	8								
1927								3	21	15	16	20	25	20	18	16	26	8	15	12	19	19	16	24	32	11	28	1									
1928									3	6	26	26	16	25	21	24	31	8	12	25	17	34	16	10	10	7	27	11			6	5					
1929									13	21	38	21	12	13	6	14	37	15	16	13	9	21	9	10	10	8	11	41	20	7							
1930								50	19	25	18	11	6	8	11	9	27	15	25	18			10	16	10	23	21	6									
1931									68	29	86	41	13	11	14	14	24	31	14	15	5																
1932								14	19	17	14	16	21	27	31	8	6	34	14	37	48	13	14	15	9	6	3										
1933									12	37	15	10	16	16	52	12	11	26	12	18	12	18	14	4	11	22	6	26	15								
1934								6	17	20	11	12	22	12	35	88	66	32	10	7	13	2	3	2	2	5											
1935									9	13	57	25	21	28	14	8	26	22	35	14	15	26	14	23	12	3											
1936								4	25	23	33	31	42	12	14	18	17	26	22	30	9	21	12	5	3	4	5	6	2	2							
1937									9	28	23	28	26	39	22	10	45	19	32	17	14	13	12	10	12	6											
1938									2	3	25	43	30	45	13	14	38	10	13	17	20	27	20	21	14	10											
1939								14	13	8	4	26	59	28	28	15	12	37	9	17	12	11	10	4	6	6	18	28									
1940								27	44	55	58	37	9	7	10	18	6	6	32	6	6	12	8	10	1	2	4	8									
1941								9	24	19	8	9	11	22	23	21	40	25	67	27	30	22	1	2	2	3											
1942								2	1	1			9	33	12	29	25	42	23	37	27	26	14	10	11	2	6	10	18	13	14						
1943														18	13	10	4	21	37	10	50	34	36	27	19	12	19	16	11	5	5	5	9	4			
1944									24	23	14	4	23	38	23	35	25	10	14	8	14	12	13	3	7	8	17	8	22	13	8						
1945								6	18	24	63	30	23	6	8	10	19	7	25	17	36	20	15	5	8	12	5	8									
1946									12	31	16	13	5	11	17	16	29	35	34	24	30	9	11	29	5	23	15										
1947									17	2	12	1	27	31	39	27	37	23	29	9	10	15	7	9	21	22	16	4									
1948									10	19	7	5	22	46	21	27	25	9	22	10	25	31	12	10	6	10	12	8	15	14							
1949								7	27	40	13	34	8	9	11	20	19	15	19	15	43	26	13	10	10	10	9	7									
1950								4	2	18	19	15	15	25	19	6	5	8	5	4	10	14	17	5	18	46	20	49	12	8	11	10					
1951													2	32	26	16	31	23	32	16	18	21	21	37	22	20	31	13	4								
1952										12	13	10	3	14	10	15	9	11	15	2	10	15	41	38	17	36	39	34	22								
1953									21	14	25	32	13	18	33	33	24	21	12	46	25	34	3	3	5	3											
1954								3	1	5	23	25	25	26	22	18	31	16	13	17	11	41	13	13	6	5	9	8	10	17	7						
1955									3	9	21	14	9	12	9	17	4	4	19	12	53	25	19	39	20	18	16	13	6	10	12	1					
1956									13	9	5	13	14	11	24	45	45	39	15	46	16	12	4	4	10	4	8	5	4	8	12						
1957									30	21	23	34	20	18	12	26	43	14	9	23	12	14	8	13	26	3	5	1	3	3	4						
1958										14	1	1	7	20	22	24	23	22	47	37	51	22	19	19	6	13	13	4									
1959								1	14	9	6	10	25	31	13	27	29	22	15	28	5	10	12	11	11	6	8	17	18	18	13	4	2				
1960										9	13	13	11	26	12	8	20	22	59	33	29	28	11	17	20	7	27	1									
1961									3	12	22	7	11	43	23	29	41	17	4	23	14	31	15	13	10	4	7	15	7	3	4	7					
1962										22	16	11	9	7	14	13	11	10	40	67	31	36	21	8	10	4	3	3	4	10	7	8					
1963									6	6	4	22	33	19	20	40	28	56	15	23	24	10	16	3	2	4	6	5	5	6	12						
1964									18	36	54	47	25	34	20	17	20	29	17	8	20	4	11	3	3												
1965									23	33	29	23	20	21	16	17	16	10	24	3	19	8	10	16	10	17	28	18	4								
1966									10	18	19	10	7	18	22	28	16	36	23	24	22	19	27	8	7	11	10	25	5								
1967									2	39	33	22	4	9	9	5	6	8	20	14	29	26	19	14	7	10	11	14	37	24	3						
1968										15			1	7	21	28	21	15	55	28	28	17	15	20	15	22	22	12	2	9	11	2					
1969										6	25	6	32	22	8	4	7	36	30	35	25	23	20	13	20	28	9	10	6								
1970										7	6	16	23	13	16	34	38	63	11	26	22	13	13	8	11	10	13	22									

## 05518000 KANKAKEE RIVER AT SHELBY, IN--Continued

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30--Continued

1971	8	14	10	15	23	17	21	20	15	29	39	19	48	23	15	22	11	6	7	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
------	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	22646	100.00	12	800.0	1431	17487	77.22	24	2700.0	767	3778	16.68
1	260.0	3	22646	100.00	13	890.0	1270	16056	70.90	25	3000.0	943	3011	13.30
2	290.0	0	22643	99.99	14	980.0	1484	14786	65.29	26	3400.0	578	2068	9.13
3	320.0	16	22643	99.99	15	1100.0	1050	13302	58.74	27	3700.0	673	1490	6.58
4	350.0	38	22627	99.92	16	1200.0	928	12252	54.10	28	4100.0	430	817	3.61
5	390.0	69	22589	99.75	17	1300.0	1826	11324	50.00	29	4600.0	174	387	1.71
6	430.0	256	22520	99.44	18	1500.0	814	9498	41.94	30	5000.0	123	213	0.94
7	480.0	524	22264	98.31	19	1600.0	1379	8684	38.35	31	5600.0	66	90	0.40
8	530.0	872	21740	96.00	20	1800.0	1040	7305	32.26	32	6200.0	14	24	0.11
9	590.0	1016	20868	92.15	21	2000.0	827	6265	27.66	33	6900.0	8	10	0.04
10	650.0	1103	19852	87.66	22	2200.0	1078	5438	24.01	34	7600.0	2	2	0.01
11	720.0	1262	18749	82.79	23	2500.0	582	4360	19.25					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	546.0
P90 =	619.0
P75 =	832.0
P70 =	904.0
P50 =	1300.0
P25 =	2150.0
P10 =	3320.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1924	530.00 25	530.00 25	533.00 23	548.00 21	564.00 20	602.00 20	666.00 23	674.00 18	834.00 23
1925	564.00 36	569.00 34	589.00 37	622.00 37	637.00 33	649.00 27	678.00 25	714.00 24	805.00 21
1926	491.00 17	491.00 15	492.00 15	494.00 12	503.00 11	513.00 10	533.00 8	548.00 5	587.00 6
1927	595.00 39	610.00 40	624.00 41	637.00 39	671.00 41	688.00 34	793.00 36	1040.00 51	1160.00 43
1928	553.00 33	579.00 38	599.00 38	605.00 34	631.00 31	693.00 35	834.00 41	1030.00 50	1450.00 57
1929	634.00 45	649.00 46	658.00 46	668.00 44	741.00 47	769.00 45	825.00 40	853.00 35	937.00 31
1930	609.00 42	618.00 42	620.00 39	633.00 38	650.00 35	697.00 36	854.00 42	955.00 45	1200.00 49
1931	542.00 29	542.00 26	544.00 26	551.00 22	556.00 18	565.00 16	573.00 11	579.00 9	645.00 9
1932	570.00 37	576.00 36	580.00 33	595.00 31	600.00 27	629.00 24	661.00 22	744.00 26	920.00 29
1933	522.00 24	522.00 23	522.00 21	527.00 19	544.00 16	570.00 17	626.00 18	710.00 23	819.00 22
1934	545.00 31	553.00 30	569.00 30	589.00 30	603.00 28	687.00 33	768.00 34	830.00 33	846.00 26
1935	378.00 4	379.00 4	382.00 4	387.00 3	408.00 3	457.00 3	519.00 6	587.00 11	693.00 10
1936	490.00 16	493.00 17	516.00 18	561.00 25	650.00 36	675.00 31	730.00 28	797.00 28	901.00 28
1937	422.00 7	422.00 6	429.00 6	435.00 5	453.00 6	492.00 8	519.00 7	567.00 6	798.00 20
1938	623.00 44	623.00 44	636.00 43	673.00 45	696.00 43	724.00 39	754.00 31	809.00 29	864.00 27
1939	743.00 57	743.00 57	751.00 55	771.00 54	822.00 55	850.00 51	886.00 47	952.00 43	998.00 33
1940	430.00 8	433.00 8	440.00 8	447.00 8	460.00 8	505.00 9	554.00 9	567.00 7	555.00 1
1941	494.00 18	494.00 18	497.00 16	507.00 15	546.00 17	548.00 14	569.00 10	607.00 13	709.00 11
1942	333.00 3	334.00 3	337.00 2	344.00 1	356.00 1	381.00 1	448.00 1	573.00 8	751.00 16
1943	691.00 51	696.00 51	721.00 52	733.00 52	751.00 50	826.00 49	862.00 44	697.00 40	1010.00 35
1944	640.00 47	673.00 50	739.00 54	786.00 56	818.00 54	869.00 52	947.00 53	1080.00 53	1180.00 45
1945	430.00 9	437.00 9	461.00 11	496.00 13	519.00 14	542.00 13	576.00 14	584.00 10	578.00 4

## 05518000 KANKAKEE RIVER AT SHELBY, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31--Continued

1946	540.00 27	553.00 31	566.00 29	642.00 41	745.00 48	998.00 58	1070.00 56	1130.00 56	1160.00 44
1947	485.00 14	485.00 14	490.00 14	496.00 14	505.00 13	533.00 11	574.00 12	639.00 15	749.00 14
1948	715.00 54	725.00 54	730.00 53	750.00 53	813.00 53	919.00 55	940.00 52	955.00 44	1080.00 41
1949	505.00 19	505.00 19	516.00 19	522.00 17	528.00 15	540.00 12	577.00 15	602.00 12	748.00 13
1950	445.00 11	455.00 12	466.00 12	485.00 11	503.00 12	551.00 15	590.00 16	634.00 14	779.00 18
1951	782.00 59	788.00 59	800.00 58	819.00 57	842.00 57	891.00 53	930.00 51	1010.00 49	1290.00 53
1952	940.00 61	940.00 61	965.00 61	1030.00 61	1050.00 61	1110.00 59	1270.00 60	1530.00 60	1760.00 60
1953	540.00 28	545.00 27	546.00 27	552.00 23	563.00 19	578.00 18	602.00 17	652.00 17	750.00 15
1954	260.00 1	260.00 1	350.00 3	441.00 6	446.00 5	456.00 2	474.00 2	501.00 1	572.00 3
1955	572.00 38	572.00 35	580.00 34	609.00 35	670.00 40	812.00 48	951.00 54	1050.00 52	1500.00 59
1956	510.00 21	520.00 22	540.00 25	569.00 27	630.00 30	656.00 29	750.00 30	865.00 36	928.00 30
1957	435.00 10	445.00 10	450.00 9	453.00 9	459.00 7	471.00 4	495.00 3	523.00 4	586.00 5
1958	555.00 34	577.00 37	583.00 35	586.00 29	621.00 29	698.00 37	811.00 37	993.00 47	1250.00 52
1959	621.00 43	621.00 43	635.00 42	642.00 42	655.00 39	753.00 42	855.00 43	881.00 37	1070.00 39
1960	405.00 5	425.00 7	431.00 7	441.00 7	488.00 10	654.00 28	816.00 39	919.00 41	1200.00 50
1961	460.00 13	467.00 13	484.00 13	508.00 16	578.00 23	603.00 21	713.00 27	725.00 25	753.00 17
1962	720.00 55	742.00 56	781.00 57	831.00 58	967.00 59	1160.00 60	1150.00 59	1250.00 58	1340.00 54
1963	330.00 2	330.00 2	336.00 1	354.00 2	405.00 2	478.00 6	575.00 13	640.00 16	635.00 7
1964	455.00 12	455.00 11	455.00 10	455.00 10	462.00 9	476.00 5	499.00 4	507.00 2	571.00 2
1965	405.00 6	405.00 5	405.00 5	405.00 4	436.00 4	479.00 7	510.00 5	517.00 3	635.00 8
1966	535.00 26	545.00 28	574.00 31	582.00 28	596.00 26	681.00 32	736.00 29	847.00 34	1090.00 42
1967	545.00 32	549.00 29	557.00 28	561.00 26	584.00 24	587.00 19	639.00 20	689.00 20	953.00 32
1968	520.00 23	526.00 24	539.00 24	558.00 24	596.00 25	617.00 22	668.00 24	761.00 27	1020.00 37
1969	824.00 60	832.00 60	847.00 60	854.00 59	862.00 58	908.00 54	983.00 55	1100.00 55	1350.00 55
1970	598.00 40	608.00 39	623.00 40	640.00 40	650.00 37	722.00 38	884.00 46	997.00 48	1080.00 40
1971	728.00 56	737.00 55	756.00 56	782.00 55	825.00 56	973.00 57	1120.00 57	1320.00 59	1460.00 58
1972	490.00 15	492.00 16	507.00 17	542.00 20	569.00 22	634.00 25	707.00 26	695.00 21	738.00 12
1973	767.00 58	774.00 58	814.00 59	898.00 60	1040.00 60	1400.00 61	1460.00 61	1590.00 61	2160.00 62
1974	659.00 49	667.00 48	682.00 49	689.00 47	715.00 44	744.00 40	770.00 35	824.00 32	1010.00 36
1975	510.00 22	513.00 21	521.00 20	526.00 18	567.00 21	617.00 23	627.00 19	700.00 22	837.00 24
1976	695.00 52	699.00 52	710.00 51	727.00 51	766.00 52	841.00 50	925.00 50	940.00 42	1250.00 51
1977	698.00 53	700.00 53	707.00 50	708.00 50	719.00 45	765.00 44	815.00 38	823.00 31	840.00 25
1978	543.00 30	556.00 32	577.00 32	597.00 32	644.00 34	759.00 43	894.00 48	966.00 46	1190.00 46
1979	506.00 20	509.00 20	533.00 22	597.00 33	633.00 32	646.00 26	657.00 21	679.00 19	793.00 19
1980	650.00 48	661.00 47	680.00 48	707.00 48	751.00 49	801.00 47	874.00 45	888.00 38	1000.00 34
1981	605.00 41	614.00 41	642.00 44	675.00 46	688.00 42	937.00 56	1130.00 58	1140.00 57	1190.00 47
1982	1200.00 62	1210.00 62	1280.00 62	1340.00 62	1470.00 62	1670.00 62	1760.00 62	1790.00 62	1820.00 61
1983	666.00 50	669.00 49	678.00 47	707.00 49	762.00 51	795.00 46	903.00 49	1090.00 54	1400.00 56
1984	639.00 46	647.00 45	654.00 45	666.00 43	723.00 46	750.00 41	761.00 33	822.00 30	1040.00 38
1985	562.00 35	567.00 33	584.00 36	609.00 36	653.00 38	675.00 30	758.00 32	891.00 39	1200.00 48

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1924	4000.00 40	3980.00 40	3960.00 37	3850.00 34	3350.00 39	2820.00 41	2580.00 42	2660.00 31	2490.00 23
1925	3420.00 54	3380.00 55	3260.00 56	2870.00 57	2290.00 57	1920.00 57	1670.00 57	1500.00 58	1280.00 58
1926	4510.00 24	4370.00 26	4270.00 25	4040.00 26	3510.00 37	3020.00 34	2610.00 41	2380.00 41	2040.00 42
1927	4120.00 35	4100.00 35	4030.00 35	3970.00 29	3540.00 36	3350.00 21	3190.00 20	3000.00 19	2630.00 16
1928	5540.00 6	5500.00 6	5240.00 8	4930.00 10	4530.00 10	4110.00 10	3580.00 11	3230.00 9	2800.00 14
1929	5110.00 11	5060.00 11	5040.00 11	4960.00 9	4730.00 8	4550.00 4	4110.00 4	3670.00 5	3200.00 6
1930	4290.00 27	4200.00 32	4130.00 29	3870.00 31	3630.00 28	3300.00 23	3100.00 22	2900.00 21	2590.00 17
1931	1920.00 62	1870.00 62	1720.00 62	1600.00 61	1470.00 61	1470.00 59	1440.00 59	1330.00 59	1120.00 60
1932	3490.00 51	3450.00 52	3390.00 51	3010.00 54	2340.00 56	2120.00 54	2160.00 50	2090.00 48	1980.00 43
1933	4480.00 25	4430.00 23	4350.00 24	4190.00 23	3850.00 19	3790.00 16	3340.00 18	2920.00 20	2570.00 18
1934	2350.00 59	2330.00 59	2220.00 59	1920.00 59	1560.00 60	1210.00 62	1080.00 62	1030.00 62	988.00 62
1935	3480.00 52	3440.00 53	3330.00 54	3050.00 53	2850.00 48	2470.00 48	2410.00 44	2340.00 43	2090.00 40
1936	3700.00 44	3630.00 45	3420.00 49	3000.00 55	2400.00 55	1970.00 56	1900.00 55	1630.00 55	1440.00 54
1937	3530.00 49	3490.00 50	3420.00 50	3170.00 50	2690.00 52	2180.00 52	1980.00 53	2070.00 50	1870.00 47
1938	3670.00 45	3670.00 44	3640.00 44	3450.00 43	3030.00 43	2910.00 39	2690.00 38	2460.00 37	2180.00 36
1939	4020.00 39	4000.00 36	3950.00 38	3800.00 36	3720.00 23	3240.00 26	3080.00 24	2670.00 29	2240.00 33
1940	3600.00 47	3600.00 46	3520.00 45	3310.00 46	2710.00 51	2210.00 51	1920.00 54	1740.00 54	1390.00 56
1941	2100.00 60	2050.00 60	1880.00 60	1560.00 62	1370.00 62	1260.00 61	1210.00 61	1170.00 60	1140.00 59
1942	4260.00 30	4230.00 30	4100.00 31	4060.00 25	3810.00 21	3330.00 22	3140.00 21	2730.00 27	2290.00 30
1943	6300.00 2	6260.00 2	6190.00 2	5920.00 3	5250.00 4	3980.00 12	3510.00 14	3230.00 10	2990.00 8
1944	4610.00 21	4610.00 21	4610.00 19	4470.00 17	4180.00 16	3880.00 13	3470.00 15	3060.00 16	2340.00 29
1945	3550.00 48	3520.00 48	3520.00 46	3310.00 47	2950.00 47	2490.00 47	2270.00 48	2110.00 47	1840.00 50

## 05518000 KANKAKEE RIVER AT SHELBY, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1946	3200.00	57	3200.00	57	3150.00	57	2980.00	56	2810.00	49	2390.00	49	2330.00	46	2150.00	46	1930.00	44
1947	3970.00	41	3890.00	41	3710.00	43	3520.00	41	3240.00	41	3170.00	27	2910.00	29	2550.00	34	2110.00	38
1948	4420.00	26	4420.00	24	4400.00	22	4160.00	24	3630.00	29	3250.00	25	3090.00	23	2810.00	24	2270.00	31
1949	3500.00	50	3500.00	49	3470.00	48	3330.00	45	2980.00	46	2630.00	45	2380.00	45	2200.00	45	1930.00	45
1950	5910.00	5	5910.00	5	5840.00	5	5720.00	4	5340.00	3	4710.00	3	4350.00	3	4200.00	1	3700.00	1
1951	3790.00	42	3790.00	42	3730.00	41	3460.00	42	3000.00	44	2800.00	42	2760.00	33	2630.00	32	2400.00	28
1952	4090.00	36	3990.00	37	3980.00	36	3830.00	35	3630.00	30	3270.00	24	3200.00	19	3050.00	17	2900.00	12
1953	2650.00	58	2590.00	58	2490.00	58	2230.00	58	1950.00	58	1760.00	58	1660.00	58	1580.00	56	1440.00	55
1954	3620.00	46	3600.00	47	3520.00	47	3270.00	48	3090.00	42	2690.00	44	2300.00	47	2080.00	49	1770.00	52
1955	5030.00	14	4980.00	15	4890.00	14	4780.00	12	4440.00	11	3460.00	17	3040.00	25	2890.00	22	2720.00	15
1956	4540.00	23	4440.00	22	4380.00	23	4240.00	22	3850.00	20	2740.00	43	2430.00	43	2280.00	44	1860.00	49
1957	4240.00	31	4240.00	29	4130.00	30	3580.00	40	2990.00	45	2510.00	46	2210.00	49	2060.00	51	1700.00	53
1958	3410.00	55	3390.00	54	3350.00	52	3170.00	49	2610.00	54	2160.00	53	2060.00	51	1970.00	52	1820.00	51
1959	5100.00	12	5030.00	12	4760.00	15	4630.00	14	4260.00	14	3860.00	14	3570.00	12	3160.00	15	2540.00	20
1960	4160.00	34	4110.00	34	4070.00	34	3850.00	32	3720.00	24	2930.00	38	2920.00	28	2800.00	25	2510.00	21
1961	4640.00	19	4640.00	18	4640.00	17	4360.00	20	3750.00	22	3000.00	35	2720.00	35	2450.00	38	2050.00	41
1962	4840.00	16	4770.00	16	4740.00	16	4570.00	15	4170.00	17	3160.00	29	2670.00	39	2410.00	40	2110.00	39
1963	3340.00	56	3340.00	56	3310.00	55	3160.00	51	2800.00	50	2040.00	55	1750.00	56	1530.00	57	1320.00	57
1964	2100.00	61	2030.00	61	1860.00	61	1770.00	60	1570.00	59	1390.00	60	1240.00	60	1140.00	61	1030.00	61
1965	3760.00	43	3760.00	43	3710.00	42	3350.00	44	3330.00	40	3090.00	31	2900.00	30	2680.00	28	2190.00	35
1966	4270.00	29	4270.00	27	4210.00	26	4020.00	27	3710.00	25	2970.00	36	2690.00	36	2500.00	35	2420.00	26
1967	4760.00	17	4720.00	17	4610.00	18	4440.00	18	4370.00	13	4080.00	11	3600.00	9	3220.00	11	2980.00	9
1968	5010.00	15	4990.00	14	4930.00	13	4520.00	16	3600.00	31	2970.00	37	2900.00	31	2660.00	30	2400.00	27
1969	4590.00	22	4400.00	25	4090.00	32	3850.00	33	3650.00	27	2880.00	40	2690.00	37	2760.00	26	2500.00	22
1970	4020.00	37	3990.00	38	3910.00	40	3740.00	39	3600.00	32	3370.00	20	2940.00	27	2580.00	33	2210.00	34
1971	3480.00	53	3460.00	51	3340.00	53	3070.00	52	2620.00	53	2390.00	50	2060.00	52	1870.00	53	1870.00	48
1972	4210.00	33	4190.00	33	4070.00	33	3770.00	37	3560.00	35	3160.00	30	2800.00	32	2460.00	36	2260.00	32
1973	5040.00	13	5020.00	13	4980.00	12	4730.00	13	4200.00	15	3820.00	15	3710.00	8	3560.00	6	3480.00	2
1974	4630.00	20	4610.00	19	4520.00	20	4290.00	21	3670.00	26	3430.00	19	3360.00	17	3220.00	12	2940.00	10
1975	4700.00	18	4610.00	20	4520.00	21	4430.00	19	3860.00	18	3450.00	18	3380.00	16	3190.00	13	2920.00	11
1976	5180.00	9	5180.00	9	5160.00	9	5090.00	8	4880.00	6	4310.00	6	3850.00	7	3420.00	7	2850.00	13
1977	4240.00	32	4220.00	31	4150.00	28	3990.00	28	3580.00	33	3170.00	28	2750.00	34	2350.00	42	1890.00	46
1978	5430.00	7	5400.00	7	5340.00	6	5230.00	6	5000.00	5	4190.00	9	3580.00	10	3010.00	18	2450.00	24
1979	5390.00	8	5370.00	8	5290.00	7	5180.00	7	4810.00	7	4460.00	5	3980.00	6	3360.00	8	2550.00	19
1980	4020.00	38	3990.00	39	3930.00	39	3760.00	38	3560.00	34	3050.00	33	2620.00	40	2430.00	39	2140.00	37
1981	6200.00	4	6100.00	4	5890.00	4	5590.00	5	4410.00	12	4200.00	7	4010.00	5	3710.00	4	3220.00	4
1982	7650.00	1	7580.00	1	7460.00	1	7090.00	1	6460.00	1	5390.00	2	4510.00	1	3950.00	2	3200.00	5
1983	5110.00	10	5090.00	10	5070.00	10	4900.00	11	4530.00	9	4200.00	8	3540.00	13	3170.00	14	3020.00	7
1984	4280.00	28	4250.00	28	4190.00	27	3960.00	30	3420.00	38	3060.00	32	2950.00	26	2890.00	23	2420.00	25
1985	6290.00	3	6200.00	3	6090.00	3	6020.00	2	5700.00	2	5490.00	1	4420.00	2	3930.00	3	3250.00	3

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1924	1510.00	25
1925	1500.00	24
1926	1020.00	4
1927	1670.00	34
1928	2320.00	59
1929	1590.00	29
1930	2270.00	58
1931	987.00	3
1932	1400.00	20
1933	1310.00	15
1934	1400.00	21
1935	1170.00	10
1936	1350.00	17
1937	1220.00	13
1938	1400.00	22
1939	1650.00	32
1940	1070.00	5
1941	1100.00	6
1942	1380.00	18
1943	1680.00	35
1944	1960.00	49
1945	1330.00	16

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1924	1900.00	18
1925	936.00	58
1926	1440.00	44
1927	1880.00	19
1928	1960.00	14
1929	2130.00	8
1930	1720.00	26
1931	900.00	59
1932	1420.00	47
1933	1730.00	25
1934	854.00	61
1935	1510.00	40
1936	1060.00	54
1937	1430.00	45
1938	1590.00	35
1939	1540.00	38
1940	973.00	57
1941	873.00	60
1942	1670.00	31
1943	2230.00	5
1944	1630.00	33
1945	1250.00	51



## 05518000 KANKAKEE RIVER AT SHELBY, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1946	1720.00	38
1947	1100.00	7
1948	1730.00	39
1949	1620.00	31
1950	1730.00	40
1951	2170.00	55
1952	2350.00	60
1953	1380.00	19
1954	970.00	2
1955	2120.00	53
1956	1300.00	14
1957	1110.00	8
1958	1680.00	36
1959	1610.00	30
1960	1850.00	46
1961	1450.00	23
1962	1830.00	44
1963	1110.00	9
1964	816.00	1
1965	1190.00	11
1966	1680.00	37
1967	1830.00	45
1968	1960.00	50
1969	1860.00	47
1970	1530.00	26
1971	1950.00	48
1972	1200.00	12
1973	2760.00	62
1974	2010.00	52
1975	1750.00	43
1976	2240.00	57
1977	1570.00	27
1978	1570.00	28
1979	1730.00	41
1980	1730.00	42
1981	1660.00	33
1982	2750.00	61
1983	2180.00	56
1984	1980.00	51
1985	2150.00	54

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1946	1460.00	42
1947	1520.00	39
1948	1610.00	34
1949	1320.00	50
1950	2480.00	2
1951	1860.00	20
1952	2200.00	6
1953	1060.00	55
1954	1210.00	52
1955	1990.00	11
1956	1380.00	49
1957	1190.00	53
1958	1570.00	36
1959	1690.00	29
1960	1950.00	15
1961	1440.00	43
1962	1550.00	37
1963	978.00	56
1964	775.00	62
1965	1490.00	41
1966	1740.00	24
1967	1970.00	12
1968	1930.00	16
1969	1830.00	21
1970	1690.00	30
1971	1430.00	46
1972	1780.00	23
1973	2720.00	1
1974	1900.00	17
1975	1970.00	13
1976	2020.00	10
1977	1400.00	48
1978	1790.00	22
1979	1700.00	28
1980	1660.00	32
1981	2310.00	4
1982	2360.00	3
1983	2200.00	7
1984	1710.00	27
1985	2120.00	9

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1923	*	*	*	*	*	*	1552.0	1640.0	907.00	637.00	593.00	845.00
1924	891.00	1162.0	2688.0	2619.0	2137.0	2397.0	3141.0	1922.0	2566.0	1740.0	872.00	736.00
1925	683.00	649.00	910.00	1000.0	1506.0	2267.0	1226.0	820.00	589.00	548.00	512.00	557.00
1926	608.00	1049.0	891.00	1265.0	1738.0	2529.0	3404.0	1489.0	1780.0	871.00	690.00	1031.0
1927	1680.0	1457.0	1277.0	982.00	3058.0	2545.0	3293.0	3066.0	2776.0	1123.0	727.00	683.00
1928	1598.0	1849.0	4502.0	3586.0	2443.0	2132.0	2254.0	1172.0	1004.0	1191.0	830.00	879.00
1929	782.00	1122.0	1461.0	2979.0	2008.0	3441.0	4467.0	4291.0	1986.0	1222.0	1146.0	650.00
1930	915.00	1416.0	2409.0	3583.0	2842.0	2318.0	2762.0	1676.0	1005.0	670.00	583.00	571.00
1931	573.00	620.00	860.00	763.00	722.00	1047.0	1433.0	1420.0	1286.0	810.00	624.00	640.00
1932	932.00	1713.0	1873.0	2233.0	1987.0	1896.0	2001.0	1215.0	896.00	1067.0	675.00	548.00
1933	714.00	1019.0	1609.0	1966.0	1677.0	2334.0	3848.0	3674.0	1412.0	1113.0	752.00	642.00
1934	1028.0	915.00	837.00	915.00	793.00	848.00	1557.0	789.00	569.00	448.00	611.00	947.00
1935	858.00	953.00	1151.0	1694.0	1665.0	2835.0	1887.0	2387.0	1954.0	1145.0	868.00	685.00
1936	673.00	1190.0	1155.0	1039.0	1075.0	2163.0	1421.0	1679.0	746.00	518.00	483.00	574.00
1937	1002.0	1522.0	996.00	2560.0	1728.0	1498.0	2356.0	1890.0	1188.0	956.00	775.00	700.00
1938	898.00	890.00	1002.0	1049.0	2487.0	2676.0	2914.0	1718.0	1706.0	1683.0	967.00	1238.0
1939	878.00	841.00	959.00	1129.0	2309.0	3578.0	2913.0	1833.0	1565.0	1217.0	778.00	535.00
1940	561.00	621.00	635.00	460.00	583.00	1165.0	1322.0	2677.0	1702.0	825.00	556.00	559.00
1941	616.00	759.00	952.00	1109.0	1077.0	1089.0	1359.0	1097.0	1021.0	638.00	418.00	356.00
1942	1003.0	1784.0	1389.0	1250.0	3088.0	3294.0	3064.0	1504.0	1113.0	897.00	1037.0	778.00
1943	889.00	1447.0	1552.0	2526.0	2614.0	2792.0	2075.0	4409.0	3350.0	1931.0	1712.0	1499.0
1944	1050.0	1546.0	991.00	854.00	1135.0	2906.0	3913.0	3337.0	1829.0	864.00	571.00	520.00
1945	649.00	622.00	581.00	566.00	933.00	1639.0	2052.0	2890.0	1800.0	1248.0	1188.0	826.00

## 05518000 KANKAKEE RIVER AT SHELBY, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)--Continued

1946	1550.0	1159.0	1031.0	2275.0	1809.0	2785.0	1653.0	1274.0	1795.0	974.00	657.00	525.00
1947	547.00	919.00	975.00	1286.0	1372.0	1218.0	2815.0	3059.0	2823.0	1223.0	821.00	1175.0
1948	846.00	999.00	1440.0	1270.0	1370.0	2916.0	3030.0	3276.0	1664.0	1184.0	762.00	543.00
1949	539.00	669.00	832.00	2032.0	2706.0	2311.0	1755.0	1505.0	1386.0	1046.0	712.00	505.00
1950	666.00	693.00	1603.0	3509.0	3658.0	3847.0	5291.0	3239.0	2685.0	2276.0	1362.0	1004.0
1951	886.00	913.00	1540.0	2177.0	2241.0	2421.0	2996.0	2593.0	1679.0	2409.0	1414.0	1060.0
1952	1502.0	2953.0	2558.0	3569.0	2942.0	2503.0	2899.0	2257.0	2524.0	1282.0	838.00	598.00
1953	573.00	663.00	858.00	1031.0	1173.0	1862.0	1601.0	1501.0	1251.0	1052.0	708.00	461.00
1954	455.00	519.00	687.00	672.00	1059.0	1682.0	2865.0	2167.0	1472.0	1327.0	935.00	706.00
1955	3400.0	3205.0	1888.0	2825.0	1976.0	2703.0	2217.0	1621.0	1719.0	1010.0	676.00	655.00
1956	1136.0	1184.0	990.00	927.00	1434.0	2057.0	1391.0	3773.0	1522.0	965.00	707.00	502.00
1957	466.00	525.00	612.00	818.00	1027.0	974.00	2288.0	2631.0	1535.0	1709.0	944.00	706.00
1958	964.00	1646.0	2173.0	1981.0	1401.0	2166.0	1374.0	996.00	2022.0	1480.0	1698.0	950.00
1959	706.00	927.00	963.00	1438.0	3392.0	3502.0	3148.0	2489.0	1363.0	1182.0	820.00	518.00
1960	1426.0	2161.0	1829.0	2252.0	3056.0	1998.0	3679.0	1956.0	2024.0	1336.0	1024.0	771.00
1961	724.00	877.00	732.00	629.00	1054.0	2590.0	2570.0	2925.0	1552.0	1043.0	1360.0	1225.0
1962	1393.0	1542.0	1506.0	1673.0	1618.0	3479.0	2760.0	1371.0	1265.0	867.00	600.00	537.00
1963	684.00	835.00	784.00	511.00	462.00	2562.0	1363.0	1204.0	882.00	1062.0	816.00	511.00
1964	463.00	525.00	540.00	686.00	707.00	1021.0	1485.0	1182.0	829.00	898.00	495.00	477.00
1965	570.00	542.00	989.00	1879.0	2175.0	2835.0	3175.0	2033.0	969.00	743.00	638.00	1395.0
1966	1578.0	1268.0	1730.0	2583.0	1782.0	2247.0	2051.0	3639.0	1627.0	913.00	763.00	606.00
1967	589.00	1286.0	3290.0	1793.0	2217.0	3129.0	4365.0	3091.0	1559.0	1016.0	668.00	603.00
1968	810.00	1527.0	2425.0	1691.0	3549.0	2385.0	2701.0	1535.0	1712.0	2423.0	1483.0	972.00
1969	881.00	1206.0	1985.0	2665.0	2964.0	1870.0	3076.0	2514.0	1654.0	1505.0	1006.0	663.00
1970	1038.0	1483.0	1298.0	1027.0	1630.0	1514.0	3507.0	3197.0	2027.0	1331.0	952.00	1295.0
1971	1778.0	1887.0	1704.0	1217.0	1967.0	2603.0	1575.0	1172.0	1041.0	754.00	592.00	887.00
1972	719.00	584.00	1512.0	2166.0	1290.0	2059.0	3161.0	3099.0	1404.0	1516.0	1665.0	2191.0
1973	3253.0	3413.0	3228.0	4159.0	2984.0	3069.0	3962.0	2476.0	2809.0	1414.0	1128.0	723.00
1974	768.00	827.00	1273.0	2373.0	2930.0	3543.0	3021.0	3326.0	2417.0	1066.0	655.00	644.00
1975	598.00	998.00	1084.0	2220.0	2288.0	2738.0	3133.0	3146.0	3761.0	1642.0	1003.0	1057.0
1976	774.00	980.00	2347.0	1437.0	2876.0	4715.0	3016.0	2734.0	1806.0	1554.0	1213.0	757.00
1977	843.00	894.00	878.00	721.00	1252.0	3171.0	3062.0	1748.0	1040.0	1076.0	644.00	1546.0
1978	1618.0	1234.0	2394.0	1020.0	881.00	2537.0	4811.0	2942.0	1509.0	1043.0	729.00	671.00
1979	633.00	695.00	994.00	1093.0	1010.0	4612.0	4128.0	3014.0	1367.0	848.00	1101.0	837.00
1980	791.00	1143.0	1938.0	1701.0	1379.0	2556.0	3385.0	1517.0	2043.0	802.00	1192.0	1550.0
1981	1036.0	946.00	1848.0	1111.0	2316.0	2223.0	3077.0	4013.0	4347.0	2478.0	2514.0	1784.0
1982	1906.0	1688.0	1914.0	1926.0	1938.0	5292.0	5365.0	2619.0	2021.0	1709.0	1148.0	776.00
1983	815.00	1981.0	3580.0	2218.0	2034.0	1870.0	4117.0	4248.0	1849.0	2026.0	947.00	741.00
1984	762.00	876.00	1926.0	1023.0	2464.0	2832.0	3045.0	2522.0	2431.0	1291.0	759.00	667.00
1985	958.00	1584.0	2015.0	2830.0	2122.0	5570.0	5072.0	1792.0	1186.0	733.00	839.00	733.00

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
662.00	833.00	957.00	1022.00	1232.00	1973.00
FIFTIETH PERCENTILE					
845.00	1034.00	1344.00	1556.00	1874.00	2516.00
SEVENTY FIFTH PERCENTILE					
1037.00	1523.00	1917.00	2258.00	2470.00	2909.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
1887.00	1505.00	1188.00	871.00	657.00	571.00
FIFTIETH PERCENTILE					
2913.00	2257.00	1627.00	1076.00	816.00	706.00
SEVENTY FIFTH PERCENTILE					
3293.00	3066.00	2021.00	1414.00	1037.00	950.00

## 05518500 SINGLETON DITCH NEAR HEBRON, IN

LOCATION.--Lat 41°17', long 87°15', on line between secs. 20 and 29, T.33 N., R.7 W., Lake County, Hydrologic Unit 07120001, at State Highway 2 bridge, 3.2 mi southwest of Hebron.

DRAINAGE AREA.--30.4 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1948 to December 1951 (discontinued).

GAGE.--Wire-weight gage. Elevation of gage is 645 ft above National Geodetic Vertical Datum of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 652 ft<sup>3</sup>/s Dec. 22, 1949, gage height, 9.6 ft; minimum daily discharge, 3.9 ft<sup>3</sup>/s Oct. 1, 1950; minimum gage height, 0.52 ft Sept. 9, 1949.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1950	10	59	50	10	20	12	12	22	8	9	4	6	5	9	7	16	12	16	9	14	7	9	6	7	3	3	6	4	2	2	2	1	2	1	
1951	2	15	40	29	31	14	22	21	18	12	26	14	17	19	13	9	11	5	11	4	4	4	3	5	3	4	2	3	2	1				1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	730	100.00	12	20.0	20	284	38.90	24	110.0	12	54	7.40
1	3.9	12	730	100.00	13	23.0	22	264	36.16	25	130.0	6	42	5.75
2	4.5	74	718	98.36	14	26.0	28	242	33.15	26	150.0	7	36	4.93
3	5.2	90	644	88.22	15	30.0	20	214	29.32	27	180.0	8	29	3.97
4	6.1	39	554	75.89	16	35.0	25	194	26.58	28	210.0	7	21	2.88
5	7.0	51	515	70.55	17	41.0	23	169	23.15	29	240.0	4	14	1.92
6	8.1	26	464	63.56	18	47.0	21	146	20.00	30	280.0	3	10	1.37
7	9.4	34	438	60.00	19	55.0	20	125	17.12	31	320.0	2	7	0.96
8	11.0	43	404	55.34	20	63.0	18	105	14.38	32	370.0	1	5	0.68
9	13.0	26	361	49.45	21	74.0	11	87	11.92	33	430.0	3	4	0.55
10	15.0	21	335	45.89	22	85.0	13	76	10.41	34	500.0	1	1	0.14
11	17.0	30	314	43.01	23	99.0	9	63	8.63					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	4.7
P90 =	5.1
P75 =	6.3
P70 =	7.1
P50 =	12.8
P25 =	37.9
P10 =	88.2

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1951	3.90 1	4.10 1	4.40 1	5.00 1	5.10 1	5.30 1	5.60 1	5.70 1	7.80 1

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	568.00 1	331.00 1	202.00 1	160.00 1	130.00 1	115.00 1	99.00 1	98.00 1	76.00 1
1951	496.00 2	254.00 2	172.00 2	112.00 2	79.00 2	67.00 2	63.00 2	54.00 2	47.00 2

## ILLINOIS RIVER BASIN

05518500 SINGLETON DITCH NEAR HEBRON, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1951                      28.00   1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 301950                      42.00   1  
1951                      30.00   2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	*	*	*	*	*	*	*	16.60	8.90	11.70	5.44	4.82
1950	5.70	4.67	57.70	98.40	51.20	97.00	130.00	18.30	14.10	12.80	5.54	5.37
1951	6.08	5.86	11.10	34.70	58.30	37.00	74.50	44.00	18.50	49.70	12.40	7.56

LOCATION.--Lat 41°12'44", long 87°26'44", in SW¼NW¼ sec.22, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, on left bank 15 ft upstream from bridge on Ackerman Avenue, 0.5 mi upstream from Bruce ditch, 1.5 mi downstream from Cedar Creek, 1.6 mi north of Schneider, and at mile 10.1.

GAGE.--Water-stage recorder. Datum of gage is 623.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1949, nonrecording gage at same site at datum 2.00 ft higher. Oct. 1, 1949, to Aug. 13, 1951, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,550 ft<sup>3</sup>/s Mar. 5, 1976; maximum gage height, 12.37 ft June 25, 1975; minimum daily discharge, 3.6 ft<sup>3</sup>/s Sept. 7, 8, 10, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1949									13	19	52	34	10	21	26	19	15	24	29	26	20	15	12	3	18	3	5		1							
1950									22	57	34	12	11	10	15	23	20	10	16	11	10	24	15	23	5	8	12	8	6	8	5					
1951									7	13	41	35	38	23	29	16	23	25	23	15	16	17	8	13	4	2	9	6	2							
1952									5	19	15	19	20	9	20	15	31	44	50	32	19	14	11	18	4	7	5	3	3	1	2					
1953								1	11	23	31	53	45	33	20	17	18	25	25	23	12	12	4	2	4	2	1	1	1	1						
1954								7	25	58	33	15	37	24	19	22	23	19	16	10	11	7	14	8	5	2	3	1	2	3	1					
1955								5	8	33	9	5	11	12	21	34	57	33	28	21	21	13	13	11	6	5	8	1	3	2	1	4				
1956								26	2	14	18	20	60	55	41	23	21	13	15	11	8	5	12	5	4	2	3	1	2	2	2	1				
1957								24	21	29	48	23	16	20	27	17	10	17	27	17	13	13	12	2	4	1	1	2	3		4	3				
1958								9	11	5	13	22	36	18	39	57	45	25	22	8	16	11	6	9	2	7	1	3								
1959											16	54	38	54	20	19	12	13	23	18	9	12	14	12	13	9	3	6	4	6	4	6				
1960								3	9	11	9	5	12	14	8	9	19	33	47	39	29	40	23	8	12	8	6	4	7	7	3	1				
1961									1	16	50	32	38	35	23	27	31	27	20	8	9	3	15	8	3	4	2	1	3	1	4	2	2			
1962								1	8	6	18	13	4	11	11	17	19	16	34	59	35	43	10	14	12	7	6	5	4	4	2	3	3			
1963								9	9	15	32	42	22	57	26	40	41	13	16	14	8	2	1	6	2	2	1			1	2	2	1			
1964	30	13	26					16	17	15	45	39	30	27	18	15	19	17	11	10	4	7	2	2	1											
1965								1	28	5	15	21	16	24	21	33	19	17	15	19	14	9	15	23	12	12	6	8	6	5	2	2				
1966								7	16	6	12	16	7	19	15	16	21	19	45	26	29	14	13	15	12	11	11	6	9	5	7	3	2	3		
1967								2	12	14	29	23	8	19	7	12	13	39	29	18	21	18	7	9	19	12	16	10	9	7	3	4	5			
1968								3	11	1	1	6	36	34	45	37	29	34	30	23	18	14	6	7	5	4	8	4	8	4	3	5	2			
1969									21	14	18	31	21	11	28	48	39	21	25	12	14	16	11	7	10	9	5	2		2						
1970								8	5	37	14	25	28	30	32	44	30	23	12	15	16	13	8	7	2	3	4	5	2	2						
1971									19	20	18	37	50	30	27	10	20	33	28	12	19	12	10	8	5	4	2	1								
1972											4	45	19	12	35	31	35	24	40	20	17	21	15	15	13	8	5	3	1	3						
1973											14	10	10	10	16	9	8	16	36	23	22	28	44	38	11	22	9	6	4	4	5					
1974									2	53	59	26	14	16	17	16	18	28	12	19	24	18	14	15	7	4	5	2	4	5	5					
1975										24	9	17	28	28	27	24	27	38	28	28	22	13	15	6	7	5	4	8	2	5						
1976											29	26	34	42	41	24	22	28	20	9	15	21	11	9	7	3	6	3	3	6	1	2	1	1	2	
1977								6	30	24	66	69	33	15	17	17	19	22	19	8	8	7	2	2	1											
1978										4	27	61	37	10	29	25	29	23	22	14	16	14	10	9	5	9	8	3	3	3	4					
1979											55	58	53	47	36	12	11	7	6	9	7	11	3	9	6	8	8	3	8	2	5			1		
1980											43	35	39	10	30	45	44	32	18	6	15	15	8	17	5	2	2									
1981													24	45	41	40	34	25	17	20	24	20	14	16	10	5	7	5	4	4	3	1	4	2		
1982									13	23	20	8	9	31	51	55	36	22	11	14	7	15	15	6	4	6	4	4	3	3	2	4	2	1		
1983										9	51	30	20	16	15	22	38	37	20	28	20	11	9	10	7	6	2	5		3	3	1	2			
1984								11	15	8	29	16	24	17	23	42	24	24	22	14	16	19	8	14	10	7	8	6	5	2	1	1				
1985								3	9	18	5	9	17	18	44	54	52	28	11	14	11	10	9	8	5	8	7	5	5	4	3	4	1		1	2

## 05519000 SINGLETON DITCH AT SCHWEIDER, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13514	100.00	12	30.0	1008	9669	71.55	24	310.0	212	972	7.19
1	3.6	30	13514	100.00	13	37.0	822	8661	64.09	25	370.0	185	760	5.62
2	4.4	13	13484	99.78	14	44.0	974	7839	58.01	26	450.0	170	575	4.25
3	5.3	26	13471	99.68	15	54.0	953	6865	50.80	27	550.0	118	405	3.00
4	6.4	36	13445	99.49	16	65.0	948	5912	43.75	28	660.0	106	287	2.12
5	7.8	156	13409	99.22	17	79.0	861	4964	36.73	29	800.0	88	181	1.34
6	9.5	141	13253	98.07	18	96.0	808	4103	30.36	30	970.0	62	93	0.69
7	11.0	393	13112	97.03	19	120.0	482	3295	24.38	31	1200.0	11	31	0.23
8	14.0	527	12719	94.12	20	140.0	563	2813	20.82	32	1400.0	10	20	0.15
9	17.0	506	12192	90.22	21	170.0	544	2250	16.65	33	1700.0	8	10	0.07
10	20.0	1027	11686	86.47	22	210.0	340	1706	12.62	34	2100.0	2	2	0.01
11	25.0	990	10659	78.87	23	250.0	394	1366	10.11					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	13.1
P90 =	17.2
P75 =	27.6
P70 =	31.5
P50 =	55.2
P25 =	118.0
P10 =	252.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	16.00 22	16.00 22	16.00 19	17.00 20	18.00 20	19.00 16	19.00 11	20.00 9	37.00 15
1951	14.00 18	15.00 19	16.00 20	16.00 18	17.00 17	21.00 18	21.00 13	22.00 10	31.00 13
1952	22.00 31	23.00 32	24.00 33	26.00 33	28.00 33	33.00 31	42.00 32	53.00 32	70.00 29
1953	14.00 19	14.00 14	15.00 17	15.00 13	16.00 15	17.00 10	18.00 9	19.00 8	21.00 7
1954	8.80 7	9.00 7	9.50 7	9.80 6	10.00 6	11.00 5	11.00 5	12.00 4	14.00 3
1955	10.00 9	11.00 11	11.00 9	12.00 10	12.00 8	18.00 13	23.00 15	33.00 22	70.00 30
1956	8.40 6	8.60 6	9.30 5	11.00 8	12.00 9	15.00 8	19.00 10	22.00 11	23.00 8
1957	8.20 5	8.30 4	8.40 4	8.40 4	8.60 4	8.90 3	9.70 3	11.00 3	13.00 2
1958	12.00 13	12.00 12	13.00 12	13.00 11	14.00 10	17.00 11	27.00 21	44.00 29	64.00 28
1959	16.00 23	16.00 23	18.00 21	20.00 24	21.00 22	23.00 19	27.00 22	28.00 18	42.00 18
1960	17.00 24	17.00 24	18.00 22	19.00 21	22.00 23	39.00 34	82.00 34	78.00 34	105.00 35
1961	10.00 10	10.00 9	11.00 10	12.00 9	14.00 11	16.00 9	17.00 8	17.00 6	18.00 5
1962	15.00 20	15.00 20	18.00 23	19.00 22	25.00 29	37.00 33	38.00 31	42.00 27	72.00 31
1963	7.40 4	8.50 5	9.50 6	9.70 5	10.00 5	13.00 6	15.00 6	17.00 7	21.00 6
1964	4.00 2	4.00 2	4.00 2	4.00 2	5.70 2	8.10 2	9.10 2	8.80 1	12.00 1
1965	3.60 1	3.70 1	3.80 1	3.80 1	4.70 1	6.70 1	8.20 1	9.10 2	15.00 4
1966	13.00 14	14.00 15	15.00 18	15.00 14	18.00 18	24.00 22	28.00 24	37.00 25	59.00 26
1967	7.10 3	7.20 3	7.70 3	7.90 3	8.10 3	9.40 4	11.00 4	13.00 5	27.00 10
1968	9.20 8	9.20 8	9.60 8	9.90 7	11.00 7	14.00 7	16.00 7	23.00 12	45.00 23
1969	23.00 34	23.00 33	24.00 34	24.00 31	27.00 30	29.00 28	34.00 27	47.00 30	75.00 32
1970	14.00 15	14.00 16	14.00 14	15.00 15	15.00 12	19.00 14	35.00 28	42.00 28	46.00 24
1971	15.00 21	16.00 21	18.00 24	20.00 25	22.00 24	30.00 29	36.00 29	54.00 33	85.00 33
1972	14.00 16	14.00 17	14.00 15	16.00 19	17.00 16	24.00 23	27.00 23	27.00 15	29.00 11
1973	40.00 35	40.00 35	42.00 35	47.00 35	75.00 36	100.00 36	122.00 36	130.00 36	158.00 36
1974	22.00 32	22.00 29	23.00 30	23.00 29	24.00 28	25.00 25	26.00 20	30.00 21	44.00 21
1975	19.00 26	19.00 26	20.00 26	20.00 26	22.00 25	23.00 20	24.00 16	27.00 16	39.00 17
1976	21.00 30	23.00 34	24.00 31	28.00 34	31.00 34	35.00 32	38.00 30	40.00 26	64.00 27
1977	14.00 17	14.00 18	14.00 16	15.00 16	15.00 13	19.00 15	22.00 14	23.00 13	24.00 9
1978	11.00 11	12.00 13	13.00 13	15.00 17	18.00 19	20.00 17	24.00 17	29.00 19	43.00 19
1979	19.00 27	19.00 27	20.00 27	21.00 27	23.00 26	24.00 24	26.00 18	27.00 17	30.00 12
1980	20.00 28	22.00 30	22.00 29	23.00 30	27.00 31	28.00 26	32.00 25	35.00 24	37.00 16
1981	20.00 29	20.00 28	20.00 28	22.00 28	23.00 27	31.00 30	45.00 33	53.00 31	52.00 25
1982	45.00 36	45.00 36	47.00 36	54.00 36	58.00 35	85.00 35	88.00 35	95.00 35	99.00 34
1983	18.00 25	18.00 25	19.00 25	19.00 23	20.00 21	23.00 21	26.00 19	30.00 20	43.00 20
1984	23.00 33	23.00 31	24.00 32	25.00 32	27.00 32	29.00 27	32.00 26	34.00 23	45.00 22
1985	11.00 12	11.00 10	12.00 11	13.00 12	15.00 14	18.00 12	20.00 12	26.00 14	34.00 14

## 05519000 SINGLETON DITCH AT SCHNEIDER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	550.00 34	438.00 33	355.00 33	314.00 31	244.00 30	200.00 27	182.00 26	160.00 26	124.00 28
1950	1100.00 12	914.00 20	714.00 18	591.00 12	477.00 8	424.00 4	366.00 5	363.00 2	289.00 2
1951	757.00 29	621.00 30	514.00 27	384.00 26	256.00 29	229.00 22	219.00 21	188.00 23	157.00 24
1952	1010.00 18	975.00 15	702.00 20	445.00 23	271.00 26	192.00 28	189.00 25	186.00 24	181.00 17
1953	750.00 30	600.00 31	450.00 31	295.00 32	198.00 35	144.00 34	116.00 35	103.00 35	84.00 34
1954	738.00 31	630.00 29	405.00 32	258.00 34	230.00 31	188.00 29	148.00 30	127.00 31	101.00 32
1955	947.00 25	920.00 19	701.00 21	438.00 24	260.00 28	157.00 32	159.00 29	145.00 28	137.00 25
1956	955.00 23	800.00 25	500.00 30	318.00 30	216.00 33	138.00 35	145.00 31	130.00 30	97.00 33
1957	1090.00 13	1040.00 10	810.00 11	503.00 18	334.00 21	224.00 24	207.00 23	184.00 25	135.00 26
1958	659.00 32	570.00 32	514.00 28	332.00 29	204.00 34	153.00 33	133.00 33	108.00 33	105.00 31
1959	1090.00 14	1060.00 8	878.00 8	723.00 6	552.00 4	390.00 6	327.00 7	279.00 7	223.00 9
1960	1010.00 19	847.00 21	643.00 23	394.00 25	299.00 23	248.00 20	223.00 19	216.00 17	195.00 14
1961	1010.00 20	979.00 13	806.00 12	549.00 14	353.00 19	225.00 23	175.00 27	145.00 29	112.00 30
1962	948.00 24	803.00 24	679.00 22	598.00 11	418.00 12	270.00 17	230.00 18	196.00 21	163.00 23
1963	1000.00 21	941.00 18	776.00 16	466.00 21	279.00 25	166.00 31	129.00 34	104.00 34	77.00 35
1964	174.00 37	155.00 37	113.00 37	96.00 37	82.00 37	63.00 37	53.00 37	48.00 37	39.00 37
1965	858.00 28	754.00 28	510.00 29	354.00 27	339.00 20	295.00 15	251.00 16	228.00 16	167.00 21
1966	1050.00 15	1010.00 12	784.00 15	546.00 16	416.00 14	268.00 18	241.00 17	204.00 18	198.00 13
1967	956.00 22	786.00 26	582.00 24	459.00 22	417.00 13	374.00 9	312.00 8	255.00 12	212.00 11
1968	1040.00 16	976.00 14	854.00 10	648.00 8	394.00 16	262.00 19	220.00 20	198.00 19	169.00 20
1969	866.00 27	766.00 27	524.00 26	477.00 20	322.00 22	223.00 25	198.00 24	197.00 20	166.00 22
1970	1040.00 17	969.00 16	789.00 14	500.00 19	368.00 17	347.00 12	266.00 15	229.00 15	175.00 18
1971	560.00 33	415.00 34	309.00 34	240.00 35	217.00 32	181.00 30	138.00 32	118.00 32	128.00 27
1972	902.00 26	847.00 22	572.00 25	337.00 28	283.00 24	239.00 21	213.00 22	192.00 22	173.00 19
1973	1130.00 10	1030.00 11	869.00 9	549.00 15	424.00 11	373.00 10	342.00 6	316.00 5	306.00 1
1974	1130.00 11	1050.00 9	977.00 7	709.00 7	436.00 9	313.00 13	278.00 14	264.00 11	232.00 8
1975	1140.00 9	964.00 17	718.00 17	609.00 10	403.00 15	290.00 16	286.00 12	266.00 9	247.00 6
1976	2990.00 1	2180.00 1	1510.00 1	931.00 2	704.00 1	442.00 3	395.00 1	328.00 3	250.00 5
1977	360.00 36	293.00 36	221.00 36	174.00 36	136.00 36	131.00 36	109.00 36	91.00 36	68.00 36
1978	1180.00 8	1110.00 7	799.00 13	579.00 13	531.00 6	359.00 11	293.00 10	254.00 13	182.00 16
1979	1600.00 6	1290.00 6	1100.00 5	789.00 4	625.00 3	474.00 2	371.00 4	291.00 6	204.00 12
1980	467.00 35	411.00 35	304.00 35	274.00 33	261.00 27	201.00 26	171.00 28	149.00 27	119.00 29
1981	1750.00 4	1580.00 4	1180.00 3	742.00 5	484.00 7	390.00 7	383.00 3	365.00 1	277.00 3
1982	1770.00 3	1590.00 3	1370.00 2	1050.00 1	669.00 2	514.00 1	387.00 2	319.00 4	243.00 7
1983	1830.00 2	1470.00 5	1010.00 6	610.00 9	433.00 10	374.00 8	286.00 13	250.00 14	255.00 4
1984	1240.00 7	834.00 23	711.00 19	525.00 17	361.00 18	296.00 14	287.00 11	274.00 8	215.00 10
1985	1710.00 5	1620.00 2	1140.00 4	837.00 3	547.00 5	415.00 5	298.00 9	264.00 10	193.00 15

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	128.00 24
1951	110.00 18
1952	126.00 23
1953	81.00 11
1954	46.00 3
1955	104.00 15
1956	53.00 4
1957	40.00 2
1958	109.00 17
1959	114.00 19
1960	150.00 33
1961	70.00 8
1962	136.00 28
1963	56.00 5
1964	24.00 1
1965	64.00 7
1966	121.00 21
1967	117.00 20
1968	133.00 26
1969	106.00 16
1970	83.00 12

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	80.00 29
1950	160.00 3
1951	102.00 24
1952	127.00 13
1953	52.00 34
1954	58.00 33
1955	90.00 25
1956	59.00 32
1957	76.00 30
1958	86.00 26
1959	129.00 11
1960	145.00 8
1961	74.00 31
1962	103.00 23
1963	48.00 36
1964	24.00 37
1965	104.00 21
1966	119.00 18
1967	121.00 16
1968	124.00 14
1969	104.00 22

## ILLINOIS RIVER BASIN

05519000 SINGLETON DITCH AT SCHNEIDER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	140.00	29
1972	59.00	6
1973	222.00	35
1974	141.00	30
1975	133.00	27
1976	182.00	34
1977	78.00	9
1978	80.00	10
1979	132.00	25
1980	92.00	14
1981	83.00	13
1982	239.00	36
1983	125.00	22
1984	146.00	32
1985	141.00	31

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	114.00	19
1971	82.00	28
1972	127.00	12
1973	211.00	1
1974	132.00	9
1975	151.00	5
1976	147.00	7
1977	49.00	35
1978	124.00	15
1979	119.00	17
1980	85.00	27
1981	173.00	2
1982	148.00	6
1983	152.00	4
1984	131.00	10
1985	113.00	20

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	14.40	19.80	34.50	150.00	231.00	154.00	105.00	62.60	48.00	98.20	30.50	18.20
1950	21.90	17.60	200.00	371.00	188.00	368.00	477.00	104.00	70.30	58.00	21.50	23.00
1951	22.70	20.10	41.50	131.00	231.00	141.00	232.00	146.00	60.80	138.00	43.60	28.80
1952	53.60	180.00	111.00	242.00	100.00	176.00	203.00	94.50	267.00	52.60	28.70	18.10
1953	16.10	20.00	23.50	24.00	51.80	181.00	87.60	61.60	64.70	57.00	19.20	11.10
1954	10.10	11.80	16.60	26.30	44.00	139.00	213.00	77.80	62.20	62.00	26.40	13.20
1955	237.00	56.30	78.60	185.00	117.00	123.00	97.70	58.90	56.90	29.40	19.90	12.10
1956	29.20	31.00	25.50	19.60	164.00	92.80	68.70	184.00	49.00	28.40	16.30	8.88
1957	9.11	11.80	13.50	22.80	34.30	34.30	264.00	177.00	76.40	208.00	45.70	16.10
1958	32.50	89.10	124.00	83.10	85.30	108.00	56.20	30.60	198.00	99.00	99.30	26.70
1959	21.30	35.30	28.30	51.60	487.00	261.00	202.00	169.00	55.70	172.00	56.00	31.10
1960	161.00	192.00	134.00	213.00	262.00	159.00	210.00	83.50	228.00	68.00	27.30	15.10
1961	16.40	19.70	16.70	18.00	33.70	110.00	287.00	124.00	51.40	33.70	43.80	139.00
1962	84.40	119.00	83.30	143.00	130.00	392.00	106.00	58.60	51.80	33.40	17.10	12.00
1963	18.70	22.40	31.40	28.90	17.00	267.00	48.60	61.20	27.50	25.60	14.40	8.91
1964	7.54	12.00	8.13	19.50	15.60	41.70	76.50	40.30	33.00	20.00	7.09	7.78
1965	10.10	12.40	37.60	136.00	136.00	252.00	339.00	104.00	36.00	22.60	42.70	121.00
1966	102.00	34.00	233.00	139.00	87.90	184.00	185.00	341.00	59.70	26.70	14.30	8.56
1967	10.50	44.40	204.00	62.40	147.00	298.00	402.00	160.00	60.20	32.50	17.20	12.00
1968	37.10	125.00	200.00	115.00	348.00	106.00	126.00	50.20	114.00	74.00	161.00	41.20
1969	28.70	37.70	123.00	266.00	135.00	112.00	215.00	143.00	56.90	78.70	35.60	16.20
1970	59.10	71.50	58.60	63.90	101.00	101.00	366.00	316.00	93.50	44.10	25.30	70.10
1971	176.00	126.00	83.60	32.10	184.00	173.00	59.10	35.90	32.20	35.70	17.80	34.90
1972	30.50	26.10	118.00	120.00	55.20	135.00	235.00	206.00	183.00	91.60	133.00	195.00
1973	194.00	342.00	285.00	367.00	186.00	241.00	408.00	162.00	203.00	75.30	48.30	26.30
1974	25.20	28.40	67.00	233.00	209.00	210.00	195.00	421.00	108.00	41.60	24.80	23.30
1975	23.50	56.10	69.50	271.00	204.00	156.00	389.00	155.00	314.00	102.00	45.90	38.80
1976	33.10	60.70	159.00	49.50	300.00	543.00	180.00	259.00	68.10	51.50	42.70	22.60
1977	26.20	28.00	25.30	17.50	94.50	123.00	90.90	51.10	28.90	23.50	19.20	61.70
1978	75.50	87.00	163.00	42.30	28.10	286.00	356.00	213.00	119.00	58.80	28.30	23.60
1979	31.40	25.90	34.30	41.00	49.20	594.00	331.00	152.00	46.50	32.70	46.50	38.80
1980	27.30	46.00	86.90	62.40	50.90	182.00	211.00	66.90	118.00	26.50	41.50	100.00
1981	49.50	34.10	86.40	45.60	136.00	84.50	393.00	273.00	460.00	275.00	128.00	118.00
1982	82.50	96.90	90.10	125.00	191.00	634.00	309.00	83.40	67.60	42.80	28.00	23.20
1983	27.70	110.00	415.00	98.10	147.00	147.00	366.00	334.00	66.60	53.40	35.40	27.90
1984	38.30	60.30	169.00	58.90	234.00	308.00	241.00	269.00	120.00	41.70	16.70	19.10
1985	33.10	39.80	74.80	152.00	315.00	388.00	192.00	50.20	34.90	12.80	43.60	29.60



05519000 SINGLETON DITCH AT SCHNEIDER, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
20.00	21.19	32.80	36.50	53.50	118.00
FIFTIETH PERCENTILE					
29.20	37.70	83.30	83.10	136.00	173.00
SEVENTY FIFTH PERCENTILE					
56.30	88.00	147.00	151.00	207.00	277.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
106.00	61.40	50.20	30.90	19.19	14.20
FIFTIETH PERCENTILE					
211.00	124.00	64.70	51.50	28.70	23.30
SEVENTY FIFTH PERCENTILE					
335.00	195.00	119.00	77.00	44.70	38.80

## 05519500 WEST CREEK NEAR SCHNEIDER, IN

LOCATION.--Lat 41°12'52", long 87°29'36", in NW¼ sec.19, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, on left bank at downstream side of county highway bridge, 1.2 mi upstream from Singleton ditch, and 2.8 mi northwest of Schneider.

DRAINAGE AREA.--54.7 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1948 to December 1951, January 1954 to September 30, 1972 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 627.86 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Soil Conservation Service). Prior to Mar. 17, 1950, nonrecording gage 75 ft below bridge at same datum. Mar. 17, 1950, to Dec. 31, 1951, Jan. 1, 1954, to June 10, 1956, nonrecording gage, at present site and datum.

AVERAGE DISCHARGE.--21 years, 41.4 ft<sup>3</sup>/s, 10.28 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1.840 ft<sup>3</sup>/s Oct. 10, 11, 1954, gage height, 8.06 ft, from graph based on gage readings; minimum daily discharge, 2.6 ft<sup>3</sup>/s Sept. 29, 1957.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1949						8	80	37	21	29	15	22	17	13	21	18	20	16	13	9	8	4	5	3	2	2	1	1							
1950					3	10	36	53	22	16	21	17	21	19	16	10	20	20	13	9	10	3	7	11	4	5	5	3	2	4	3	2			
1951						7	16	72	22	67	25	20	22	20	11	13	11	10	10	9	4	5	4	4	1	4	3	3	1	1					
1955						34	18	22	81	41	30	25	20	17	10	15	10	13	5	4	5	4	1	2	1	2	1	1			2			1	
1956					6	18	45	87	50	53	30	12	12	6	10	4	7	4	5	3	4	1		2	2	2		2	1						
1957	1	1			49	77	39	34	39	22	15	15	16	9	11	4	9	5	6	2	1		3		2	1		1	1	1	1				
1958					18	7	30	40	49	52	41	36	19	9	15	9	6	6	1	9	1	4			3	3			1						
1959						33	62	73	30	29	21	19	10	12	9	14	8	9	5	2	4	6	3	3	5	4	2	1			1				
1960						9	47	22	5	36	23	39	43	40	25	18	13	7	6	5	6	3	7	3	3	3	3	3							
1961					11	20	11	41	67	59	25	20	10	24	13	14	7	11	9	5	4	2	1	2	2	1	1	3	1	1					
1962						20	44	17	27	18	24	36	44	33	26	21	11	10	8	5	3	3	6		2	3	1	2	1						
1963					6	9	46	55	51	42	60	35	18	9	8	5	3	3	1	2	1	1			1	1	2								
1964					102	81	46	35	15	24	16	10	9	8	5	6	1	3	3		1		1												
1965	2	6	27	51	32	39	28	15	25	16	9	15	10	14	5	10	9	5	9	8	4	6	3	8	4	1	2	1	1						
1966					1	48	32	22	43	34	37	18	16	14	19	10	9	14	8	6	8	7	7	2	2	1	2		1	2	2				
1967					8	35	50	17	17	54	19	17	15	11	19	10	13	13	17	10	18	2	6	2	2	3	5			1				1	
1968						13	51	53	70	36	28	25	15	15	9	10	7	6	5	3	5	2	2	1	1	2	1	2			1	3			
1969						34	44	25	41	54	11	29	21	14	14	10	12	7	7	4	11	12	3	3	2	3	3	1							
1970						7	38	33	55	42	36	23	24	20	15	10	12	8	9	7	4	3	3	1	4	3	4			1	2			1	
1971						59	51	24	24	31	24	23	20	27	25	16	8	7	4	7	2	5	4	2	1				1						
1972						64	6	4	21	25	37	25	41	21	23	20	12	18	14	7	6	4	6	3	4			1	1	2					1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	7670	100.00	12	22.0	424	2976	38.80	24	220.0	47	243	3.17
1	2.6	3	7670	100.00	13	26.0	438	2552	33.27	25	260.0	51	196	2.56
2	3.2	7	7667	99.96	14	32.0	355	2114	27.56	26	320.0	40	145	1.89
3	3.8	33	7660	99.87	15	38.0	319	1759	22.93	27	380.0	39	105	1.37
4	4.6	182	7627	99.44	16	46.0	257	1440	18.77	28	460.0	22	66	0.86
5	5.6	298	7445	97.07	17	56.0	217	1183	15.42	29	560.0	16	44	0.57
6	6.8	679	7147	93.18	18	68.0	196	966	12.59	30	680.0	8	28	0.37
7	8.2	788	6468	84.33	19	82.0	153	770	10.04	31	830.0	10	20	0.26
8	10.0	633	5680	74.05	20	100.0	113	617	8.04	32	1000.0	1	10	0.13
9	12.0	860	5047	65.80	21	120.0	92	504	6.57	33	1200.0	8	9	0.12
10	15.0	631	4187	54.59	22	150.0	78	412	5.37	34	1500.0	1	1	0.01
11	18.0	580	3556	46.36	23	180.0	91	334	4.35					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	6.2
P90 =	7.3
P75 =	9.8
P70 =	11.0
P50 =	16.7
P25 =	35.3
P10 =	82.4

## 05519500 WEST CREEK NEAR SCHNEIDER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	5.40 6	5.40 6	5.70 6	5.90 6	6.80 8	9.10 11	11.00 13	10.00 10	17.00 10
1951	7.50 13	7.50 13	7.80 13	8.00 13	8.30 13	8.90 10	9.50 10	9.30 8	12.00 9
1955	6.80 12	6.80 11	6.80 11	7.00 10	7.50 11	10.00 15	11.00 14	18.00 18	31.00 16
1956	6.30 10	6.50 9	6.70 10	7.20 11	7.80 12	9.20 12	10.00 12	10.00 9	11.00 7
1957	5.20 5	5.30 5	5.40 4	5.50 3	5.70 2	6.20 3	6.60 3	6.80 3	7.30 2
1958	2.60 1	3.80 2	5.70 7	6.30 8	6.50 4	7.50 7	9.20 9	14.00 15	19.00 11
1959	8.80 17	8.80 17	9.00 17	9.20 16	9.60 16	11.00 16	12.00 15	13.00 12	20.00 13
1960	9.40 18	9.40 18	9.50 18	9.70 18	10.00 17	13.00 19	26.00 20	25.00 20	37.00 20
1961	4.70 4	4.80 4	5.00 3	5.70 5	6.60 6	7.10 5	8.20 6	8.50 6	9.10 5
1962	10.00 20	10.00 20	11.00 20	11.00 20	13.00 20	15.00 20	23.00 19	23.00 19	34.00 18
1963	4.30 3	4.30 3	4.50 2	5.30 2	6.50 5	8.60 9	8.50 7	8.90 7	9.60 6
1964	5.50 7	5.50 7	5.50 5	5.60 4	5.90 3	6.10 2	6.30 2	6.30 2	7.50 3
1965	3.10 2	3.10 1	3.40 1	4.40 1	4.50 1	4.70 1	5.00 1	5.00 1	5.50 1
1966	5.70 8	5.70 8	5.80 8	6.00 7	6.80 7	7.70 8	9.20 8	13.00 13	33.00 17
1967	6.30 9	6.60 10	6.70 9	6.80 9	7.00 9	7.00 4	7.30 4	7.70 4	12.00 8
1968	7.80 14	7.80 14	8.00 15	8.20 14	8.90 15	9.50 13	9.90 11	12.00 11	21.00 14
1969	9.50 19	9.60 19	10.00 19	10.00 19	10.00 18	11.00 17	12.00 16	15.00 16	37.00 19
1970	7.80 15	7.80 15	7.90 14	8.20 15	8.60 14	10.00 14	12.00 17	14.00 14	19.00 12
1971	7.80 16	8.30 16	8.90 16	9.60 17	10.00 19	12.00 18	14.00 18	16.00 17	27.00 15
1972	6.80 11	6.90 12	7.00 12	7.20 12	7.30 10	7.40 6	7.60 5	8.00 5	8.60 4

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	398.00 19	317.00 19	207.00 19	149.00 18	122.00 13	93.00 14	78.00 14	70.00 14	55.00 13
1950	990.00 7	805.00 6	505.00 5	282.00 7	218.00 1	176.00 2	155.00 1	161.00 1	127.00 1
1951	626.00 11	426.00 13	323.00 13	263.00 9	155.00 10	112.00 9	99.00 9	85.00 11	67.00 12
1955	1570.00 1	1120.00 1	634.00 1	330.00 3	178.00 9	97.00 11	87.00 12	73.00 12	69.00 11
1956	548.00 16	407.00 16	253.00 16	153.00 17	90.00 18	55.00 19	63.00 16	54.00 17	39.00 19
1957	948.00 8	647.00 7	347.00 10	188.00 14	119.00 14	77.00 17	81.00 13	70.00 15	50.00 16
1958	570.00 15	364.00 17	281.00 15	158.00 16	88.00 19	57.00 18	56.00 19	48.00 19	44.00 18
1959	845.00 9	491.00 11	371.00 8	276.00 8	200.00 4	135.00 5	118.00 4	107.00 3	82.00 5
1960	544.00 17	426.00 14	291.00 14	166.00 15	129.00 11	97.00 12	89.00 11	86.00 9	75.00 7
1961	626.00 12	497.00 10	331.00 12	198.00 13	117.00 15	82.00 16	62.00 17	50.00 18	49.00 17
1962	666.00 10	460.00 12	346.00 11	309.00 5	196.00 5	127.00 6	104.00 8	86.00 10	70.00 10
1963	360.00 20	333.00 18	223.00 18	129.00 19	78.00 20	47.00 20	37.00 20	31.00 20	26.00 20
1964	151.00 21	110.00 21	69.00 21	47.00 21	38.00 21	27.00 21	22.00 21	20.00 21	16.00 21
1965	625.00 13	414.00 15	238.00 17	204.00 12	117.00 16	94.00 13	77.00 15	72.00 13	51.00 15
1966	1440.00 4	1070.00 3	600.00 2	332.00 2	206.00 3	123.00 7	106.00 5	89.00 8	90.00 3
1967	1230.00 6	629.00 8	347.00 9	230.00 10	179.00 8	148.00 3	133.00 2	107.00 4	92.00 2
1968	1470.00 2	1080.00 2	598.00 3	346.00 1	187.00 6	137.00 4	105.00 6	93.00 7	72.00 9
1969	600.00 14	550.00 9	381.00 7	284.00 6	180.00 7	111.00 10	97.00 10	95.00 5	75.00 5
1970	1410.00 5	1050.00 4	587.00 4	310.00 4	212.00 2	178.00 1	131.00 3	119.00 2	85.00 4
1971	500.00 18	277.00 20	154.00 20	111.00 20	99.00 17	84.00 15	62.00 18	54.00 16	52.00 14
1972	1440.00 3	901.00 5	450.00 6	226.00 11	123.00 12	115.00 8	104.00 7	95.00 6	77.00 6

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	57.00 17
1951	50.00 11
1955	51.00 12
1956	21.00 6
1957	16.00 2
1958	40.00 8
1959	44.00 10
1960	57.00 18
1961	26.00 7
1962	58.00 19
1963	19.00 3
1964	12.00 1
1965	21.00 4

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	35.00 14
1950	70.00 1
1951	40.00 12
1955	43.00 11
1956	24.00 19
1957	29.00 18
1958	33.00 15
1959	48.00 9
1960	54.00 3
1961	32.00 16
1962	43.00 10
1963	17.00 20
1964	11.00 21

## ILLINOIS RIVER BASIN

05519500 WEST CREEK NEAR SCHNEIDER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1966	53.00	14
1967	55.00	15
1968	57.00	16
1969	51.00	13
1970	41.00	9
1971	60.00	20
1972	21.00	5

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1965	38.00	13
1966	53.00	4
1967	53.00	5
1968	59.00	2
1969	52.00	6
1970	50.00	8
1971	32.00	17
1972	51.00	7

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	7.57	8.06	32.50	76.20	104.00	51.60	39.60	27.00	19.00	41.10	10.40	11.20
1950	14.90	7.55	136.00	151.00	86.10	135.00	217.00	28.90	30.50	20.50	8.74	10.70
1951	9.25	8.65	14.00	53.00	152.00	53.30	83.70	56.50	15.80	27.40	10.00	9.48
1954	*	*	*	*	*	*	101.00	20.00	17.20	40.60	12.90	7.69
1955	169.00	16.50	25.50	71.50	62.00	63.70	26.70	18.20	18.60	16.40	14.40	8.20
1956	11.00	11.50	10.30	8.60	75.60	34.50	34.50	68.20	14.20	9.78	8.00	6.27
1957	6.28	7.63	7.05	11.30	10.90	12.60	106.00	46.00	26.90	96.40	11.00	7.48
1958	9.93	31.00	37.30	19.40	44.10	41.20	19.90	10.60	87.60	23.90	54.30	13.20
1959	9.85	15.30	12.50	21.00	181.00	88.40	80.70	81.10	16.50	56.50	15.60	12.50
1960	51.50	69.30	51.30	83.10	98.00	73.80	76.10	30.90	77.70	20.40	11.10	10.30
1961	9.26	10.30	7.84	7.07	11.90	44.20	112.00	26.80	17.40	27.30	32.10	79.80
1962	25.00	46.40	31.00	57.10	60.80	186.00	37.30	23.50	15.20	12.40	10.70	8.30
1963	9.08	8.81	12.90	11.90	7.37	75.20	15.90	17.30	10.60	24.10	8.66	6.24
1964	5.95	7.11	6.14	12.00	8.14	16.70	36.70	11.40	10.50	11.50	4.96	5.55
1965	4.88	4.56	5.68	48.90	37.00	71.90	117.00	23.00	9.83	7.71	17.00	113.00
1966	37.70	14.30	153.00	36.60	34.30	70.20	85.50	156.00	17.40	9.94	8.21	7.06
1967	6.99	21.70	108.00	23.70	93.00	119.00	165.00	45.50	28.50	11.70	10.10	9.17
1968	24.80	57.90	98.40	43.70	165.00	29.80	37.60	20.40	69.90	20.50	129.00	13.50
1969	10.80	16.00	39.30	139.00	61.60	50.40	82.70	71.90	25.60	84.30	29.00	8.95
1970	14.20	19.70	16.90	43.40	54.90	40.10	177.00	169.00	21.10	18.30	11.00	18.70
1971	54.60	42.20	33.10	14.40	96.90	72.40	20.00	14.20	9.82	10.30	7.87	9.23
1972	7.31	7.59	38.00	34.00	17.10	76.80	91.80	83.90	123.00	32.90	52.50	45.40
1973	*	*	*	*	*	*	*	*	*	*	*	*

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
7.44	7.84	11.40	13.20	25.70	40.60
FIFTIETH PERCENTILE					
9.93	14.30	31.00	36.60	61.60	63.70
SEVENTY FIFTH PERCENTILE					
24.90	26.30	45.30	64.30	97.40	76.00
APRIL MAY JUNE JULY AUG SEPT					
TWENTY FIFTH PERCENTILE					
36.10	19.50	15.00	11.70	8.72	7.64
FIFTIETH PERCENTILE					
81.70	27.90	18.00	20.50	11.00	9.35
SEVENTY FIFTH PERCENTILE					
108.00	69.10	29.00	34.80	20.00	13.30

LOCATION.--Lat 41°02'00", long 87°10'49", in NW¼SW¼ sec.24, T.30 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on right bank 100 ft downstream from bridge on county road, 0.5 mi north of Rosebud, 0.5 mi downstream from confluence of Swain and Dexter ditches, 1.5 mi upstream from Davidson ditch, 2 mi east of Parr, and at mile 93.5.

GAGE.--Water-stage recorder. Datum of gage is 661.47 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1953, nonrecording gage on downstream side of county road bridge at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 475 ft<sup>3</sup>/s May 2, 1983; maximum gage height, 8.86 ft Feb. 10, 1959; minimum daily discharge, 0.5 ft<sup>3</sup>/s Oct. 11, 12, 19, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
NUMBER OF DAYS IN CLASS																																				
1949										17	51	46		8	25	16	18	11	15	22	15	30	33	17	11	14	5	5	2	2	1	1				
1950										2	12	43	35	29	12	8	8	17	18	13	12	8	15	29	22	15	17	14	9	11	6	3	4	3		
1951												5	24	18	24	39	21	33	23	27	30	25	19	17	19	11	12	6	6	3	3					
1952											8	19	22	24	11	10	10	12	14	19	31	51	45	38	18	16	7	2	4	3	2					
1953											25	56	43	25	16	29	30	30	31	14	16	16	7	7	7	3	5	3	1	1						
1954											5	17	33	80	51	23	17	8	29	31	14	19	21	11	2	1	1	2								
1955												1	13	69	51	9	21	23	27	37	33	23	17	18	10	6	5	1	1							
1956												16	19	29	50	77	41	35	34	18	16	11	5	6	1	2	1	1	1	1	2					
1957										31	59	11	56	40	26	13	12	8	9	11	26	11	14	8	8	4	4	6	4	1	1	2	1			
1958													27	34	30	18	25	40	30	56	28	20	12	15	8	8	2	4	1	1	4	2				
1959										9	22	14	26	56	31	38	22	11	14	13	16	21	23	11	19	9	1	2	2		1	2	2			
1960											9	19	19	16	13	11	8	10	26	54	54	50	24	16	13	7	7	1	3	5	1					
1961										4	24	53	60	45	24	12	22	15	21	22	16	10	9	8	7	5	4	1	1	1	1					
1962												20	18	12	14	16	24	18	17	31	52	37	33	23	18	12	5	7	5	3						
1963									16	64	30	34	26	25	24	37	24	27	7	6	7	7	10	8	4	2	1	2	1	1	1	1	1			
1964					1	16	35	32	56	36	31	26	28	14	14	14	19	12	10	6	6	4	2	1	1	2										
1965		5	1	2	5	11	24	13	10	7	22	17	19	28	11	17	11	19	18	18	15	15	14	22	22	8	6	1	3	1						
1966										4	14	30	16	14	7	3	25	32	32	43	25	33	20	11	13	7	10	15	4	4	1	2				
1967																																				

## 05521000 IROQUOIS RIVER AT ROSEBUD, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13514	100.00	12	4.7	810	11679	86.42	24	54.0	530	1721	12.73
1	0.50	5	13514	100.00	13	5.8	1026	10869	80.43	25	66.0	360	1191	8.81
2	0.61	1	13509	99.96	14	7.1	796	9843	72.84	26	81.0	292	831	6.15
3	0.75	2	13508	99.96	15	8.7	808	9047	66.95	27	100.0	157	539	3.99
4	0.92	6	13506	99.94	16	11.0	674	8239	60.97	28	120.0	153	382	2.83
5	1.1	27	13500	99.90	17	13.0	860	7565	55.98	29	150.0	90	229	1.69
6	1.4	59	13473	99.70	18	16.0	996	6705	49.62	30	180.0	65	139	1.03
7	1.7	45	13414	99.26	19	20.0	825	5709	42.25	31	230.0	42	74	0.55
8	2.1	97	13369	98.93	20	24.0	929	4884	36.14	32	280.0	20	32	0.24
9	2.6	216	13272	98.21	21	29.0	886	3955	29.27	33	340.0	11	12	0.09
10	3.1	557	13056	96.61	22	36.0	713	3069	22.71	34	420.0	1	1	0.01
11	3.8	820	12499	92.49	23	44.0	635	2356	17.43					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	3.4
P90 =	4.2
P75 =	6.7
P70 =	7.9
P50 =	15.8
P25 =	33.6
P10 =	62.4

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	2.80 10	2.90 10	2.90 8	2.90 6	3.10 5	3.70 8	3.80 4	4.00 4	6.20 7
1951	5.00 28	5.10 28	5.30 26	5.60 25	7.50 33	9.40 33	13.00 33	14.00 32	16.00 30
1952	3.70 24	3.90 24	4.10 23	4.40 22	4.90 22	5.30 21	7.60 25	14.00 33	22.00 34
1953	3.10 14	3.30 16	3.40 15	3.60 17	3.80 16	4.10 12	4.40 10	5.00 10	6.50 8
1954	3.10 15	3.20 13	3.20 13	3.30 12	3.60 11	4.50 18	5.20 16	5.80 13	5.90 5
1955	3.50 22	3.70 22	4.20 24	4.80 23	6.00 24	6.70 25	8.20 27	7.80 19	9.30 16
1956	5.00 29	5.30 29	5.60 29	6.20 33	6.90 31	7.20 28	8.50 28	9.10 24	9.20 15
1957	3.20 18	3.40 20	3.40 16	3.50 14	3.60 12	3.80 9	3.90 5	4.00 5	5.00 4
1958	5.80 35	5.80 35	5.80 33	5.80 27	6.10 26	7.00 26	8.80 29	13.00 31	22.00 35
1959	5.50 32	5.70 33	5.80 34	5.90 31	6.00 25	6.50 23	7.50 24	8.40 21	10.00 18
1960	2.60 8	2.80 7	2.90 9	3.00 7	3.30 7	4.20 13	5.60 18	6.30 18	11.00 19
1961	3.00 11	3.00 11	3.00 10	3.10 10	3.70 13	3.90 10	4.20 8	4.40 6	4.50 3
1962	5.40 30	5.50 30	5.60 30	5.80 28	6.40 28	9.30 32	10.00 30	11.00 27	14.00 26
1963	2.50 4	2.50 4	2.50 4	2.80 4	3.00 4	3.60 6	4.70 13	5.90 14	6.80 10
1964	1.19 2	1.19 2	1.19 2	1.30 2	1.50 2	2.40 2	2.40 2	2.50 2	3.00 2
1965	0.50 1	0.53 1	0.77 1	0.91 1	1.19 1	1.30 1	1.40 1	1.50 1	2.10 1
1966	3.10 16	3.20 14	3.60 20	3.70 18	4.20 21	5.50 22	6.20 19	9.20 25	12.00 22
1967	2.20 3	2.40 3	2.50 3	2.70 3	2.90 3	3.20 3	3.20 3	3.60 3	8.30 12
1968	2.60 5	2.80 8	3.00 11	3.10 11	3.30 8	3.60 7	3.90 6	4.80 8	7.90 11
1969	5.50 33	5.70 34	6.30 35	6.40 34	6.70 30	7.20 29	7.80 26	11.00 28	15.00 29
1970	3.00 12	3.30 17	3.40 17	3.70 19	4.10 19	4.60 19	7.20 22	8.80 22	14.00 27
1971	2.60 6	2.60 5	2.70 5	3.00 8	3.30 9	4.70 20	6.40 20	10.00 26	15.00 28
1972	3.70 23	3.80 23	4.00 22	5.60 26	7.60 34	9.80 34	11.00 31	12.00 29	13.00 25
1973	4.80 27	5.00 27	5.30 27	7.10 35	12.00 35	18.00 35	24.00 36	29.00 36	37.00 36
1974	5.40 31	5.50 31	5.70 31	5.90 29	6.50 29	7.10 27	7.40 23	8.90 23	12.00 23
1975	3.20 19	3.30 18	3.40 18	3.50 15	4.00 17	4.30 14	4.70 14	5.90 15	9.40 17
1976	3.30 20	3.40 19	3.60 19	3.80 20	4.10 20	4.40 15	4.90 15	5.00 11	12.00 24
1977	3.10 17	3.20 15	3.30 14	3.50 16	3.70 14	4.50 16	5.50 17	5.90 16	6.50 9
1978	4.60 26	4.90 26	5.40 28	6.10 32	7.20 32	8.20 30	11.00 32	13.00 30	19.00 31
1979	3.00 13	3.10 12	3.20 12	3.40 13	3.70 15	4.10 11	4.40 11	4.80 9	6.10 6
1980	5.70 34	5.70 32	5.80 32	5.90 30	6.20 27	6.60 24	7.10 21	8.30 20	11.00 20
1981	4.20 25	4.50 25	4.70 25	5.00 24	5.60 23	8.30 31	16.00 34	20.00 34	20.00 32
1982	7.00 36	8.00 36	9.30 36	10.00 36	13.00 36	18.00 36	18.00 35	20.00 35	22.00 33
1983	3.50 21	3.60 21	3.80 21	3.80 21	4.00 18	4.50 17	4.70 12	6.00 17	11.00 21
1984	2.70 9	2.80 9	2.80 6	2.90 5	3.20 6	3.50 4	4.20 9	5.10 12	9.10 14
1985	2.60 7	2.70 6	2.90 7	3.10 9	3.40 10	3.60 5	4.00 7	4.60 7	8.70 13

## 05521000 IROQUOIS RIVER AT ROSEBUD, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	184.00 30	143.00 31	98.00 31	81.00 29	60.00 30	53.00 26	47.00 27	42.00 28	34.00 28
1950	382.00 4	318.00 4	244.00 6	192.00 2	144.00 2	109.00 2	109.00 1	104.00 1	81.00 1
1951	217.00 22	196.00 19	141.00 16	92.00 21	71.00 23	68.00 16	60.00 16	51.00 16	45.00 17
1952	210.00 26	151.00 29	96.00 32	76.00 31	60.00 31	50.00 28	48.00 26	49.00 17	46.00 13
1953	175.00 33	131.00 32	111.00 30	84.00 28	67.00 26	49.00 29	39.00 30	33.00 31	27.00 31
1954	110.00 36	82.00 36	60.00 36	50.00 35	49.00 33	37.00 35	33.00 34	30.00 33	25.00 32
1955	124.00 35	93.00 35	71.00 34	52.00 34	42.00 36	39.00 34	37.00 32	37.00 30	33.00 29
1956	205.00 27	183.00 21	124.00 25	76.00 32	49.00 34	36.00 36	29.00 36	29.00 34	23.00 35
1957	285.00 11	275.00 9	209.00 8	154.00 7	109.00 8	75.00 12	66.00 12	58.00 13	41.00 18
1958	301.00 10	284.00 8	255.00 3	171.00 5	105.00 10	73.00 13	54.00 17	43.00 26	37.00 24
1959	334.00 8	293.00 7	225.00 7	139.00 9	95.00 13	72.00 14	62.00 14	53.00 14	39.00 22
1960	184.00 31	168.00 26	129.00 23	85.00 23	72.00 21	51.00 27	50.00 23	45.00 21	41.00 19
1961	191.00 28	158.00 27	119.00 27	85.00 24	62.00 29	46.00 31	38.00 31	32.00 32	25.00 33
1962	179.00 32	150.00 30	120.00 26	103.00 17	83.00 17	64.00 17	60.00 15	53.00 15	48.00 12
1963	250.00 14	200.00 17	148.00 14	96.00 19	68.00 24	43.00 32	33.00 33	26.00 36	20.00 36
1964	79.00 37	67.00 37	49.00 37	37.00 37	25.00 37	19.00 37	16.00 37	14.00 37	11.00 37
1965	152.00 34	126.00 33	86.00 33	71.00 33	68.00 25	57.00 23	49.00 24	45.00 22	35.00 26
1966	228.00 19	198.00 18	138.00 17	96.00 20	85.00 15	60.00 21	51.00 22	43.00 27	40.00 20
1967	213.00 23	179.00 23	130.00 20	108.00 16	93.00 14	87.00 8	79.00 5	68.00 7	58.00 6
1968	316.00 9	249.00 10	190.00 10	134.00 11	80.00 18	59.00 22	54.00 18	49.00 18	45.00 14
1969	190.00 29	153.00 28	117.00 28	85.00 25	64.00 28	54.00 24	43.00 29	44.00 23	39.00 23
1970	225.00 20	180.00 22	129.00 21	84.00 26	78.00 19	63.00 18	53.00 19	45.00 19	35.00 27
1971	230.00 18	119.00 34	68.00 35	48.00 36	43.00 35	40.00 33	32.00 35	28.00 35	25.00 34
1972	245.00 16	214.00 13	132.00 19	88.00 22	71.00 22	61.00 19	52.00 21	44.00 24	45.00 15
1973	272.00 12	231.00 12	170.00 11	110.00 15	99.00 11	80.00 10	70.00 10	70.00 6	67.00 2
1974	340.00 7	299.00 5	265.00 2	177.00 3	116.00 6	82.00 9	76.00 6	71.00 4	65.00 3
1975	213.00 24	172.00 25	112.00 29	84.00 27	55.00 32	49.00 30	45.00 28	41.00 29	40.00 21
1976	250.00 15	202.00 16	168.00 12	135.00 10	121.00 4	89.00 6	75.00 7	64.00 8	51.00 8
1977	219.00 21	185.00 20	129.00 22	100.00 18	76.00 20	60.00 20	53.00 20	44.00 25	33.00 30
1978	212.00 25	176.00 24	134.00 18	118.00 14	106.00 9	78.00 11	70.00 8	63.00 9	45.00 16
1979	388.00 3	358.00 1	251.00 4	163.00 6	118.00 5	100.00 4	86.00 4	71.00 5	50.00 9
1980	239.00 17	208.00 14	127.00 24	80.00 30	65.00 27	54.00 25	49.00 25	45.00 20	36.00 25
1981	369.00 5	295.00 6	200.00 9	153.00 8	111.00 7	102.00 3	93.00 3	81.00 2	63.00 4
1982	430.00 1	358.00 2	304.00 1	232.00 1	165.00 1	124.00 1	94.00 2	79.00 3	61.00 5
1983	367.00 6	237.00 11	162.00 13	126.00 12	95.00 12	87.00 7	70.00 9	61.00 11	54.00 7
1984	257.00 13	207.00 15	145.00 15	121.00 13	84.00 16	72.00 15	63.00 13	60.00 12	48.00 10
1985	415.00 2	350.00 3	249.00 5	177.00 4	122.00 3	93.00 5	69.00 11	62.00 10	48.00 11

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	34.00 29
1951	35.00 31
1952	35.00 32
1953	22.00 11
1954	14.00 4
1955	20.00 8
1956	18.00 7
1957	12.00 2
1958	35.00 33
1959	31.00 25
1960	26.00 16
1961	16.00 5
1962	32.00 26
1963	18.00 6
1964	6.60 1
1965	13.00 3
1966	24.00 13
1967	30.00 23
1968	31.00 24
1969	29.00 20
1970	22.00 9

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	20.00 30
1950	46.00 2
1951	31.00 12
1952	33.00 8
1953	16.00 32
1954	16.00 33
1955	21.00 28
1956	16.00 34
1957	23.00 25
1958	31.00 13
1959	23.00 26
1960	28.00 18
1961	16.00 35
1962	31.00 14
1963	13.00 36
1964	6.40 37
1965	20.00 29
1966	25.00 21
1967	33.00 9
1968	31.00 15
1969	24.00 24

## ILLINOIS RIVER BASIN

05521000 IROQUOIS RIVER AT ROSEBUD, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	27.00	17
1972	22.00	10
1973	51.00	35
1974	37.00	34
1975	32.00	27
1976	30.00	21
1977	23.00	12
1978	28.00	19
1979	30.00	22
1980	26.00	14
1981	27.00	18
1982	55.00	36
1983	26.00	15
1984	34.00	30
1985	32.00	28

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1970	25.00	22
1971	19.00	31
1972	35.00	6
1973	48.00	1
1974	37.00	5
1975	25.00	23
1976	32.00	10
1977	22.00	27
1978	32.00	11
1979	28.00	16
1980	26.00	20
1981	42.00	3
1982	37.00	4
1983	33.00	7
1984	28.00	17
1985	27.00	19

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	3.77	4.11	13.90	48.60	55.60	33.90	25.90	19.90	19.10	11.20	5.61	3.09
1950	4.59	4.03	40.30	113.00	86.90	72.80	141.00	27.10	18.50	17.70	8.90	26.80
1951	13.10	14.00	19.90	33.50	58.50	46.70	64.90	33.60	24.10	47.00	9.44	5.12
1952	19.10	43.90	33.20	56.80	36.40	40.80	57.40	39.00	41.30	9.87	11.40	4.44
1953	4.14	5.00	6.70	12.30	19.60	57.80	34.20	17.60	13.50	13.50	6.41	3.94
1954	6.51	7.26	5.83	7.40	16.40	30.60	42.40	22.20	18.30	15.90	6.69	7.09
1955	11.60	6.70	9.47	32.80	22.60	39.00	38.20	29.00	35.10	11.00	7.69	8.26
1956	9.94	13.00	9.46	7.31	28.10	18.40	22.50	40.10	18.90	10.20	7.48	4.57
1957	3.81	3.78	4.25	6.85	7.90	7.69	97.50	48.50	47.60	35.70	11.00	6.68
1958	15.20	25.60	49.80	32.10	18.40	29.80	19.00	10.20	99.90	43.70	15.90	8.06
1959	6.05	9.47	9.92	16.00	91.10	48.00	44.40	29.10	9.34	8.43	4.62	4.24
1960	15.30	38.20	27.90	31.40	54.70	40.30	53.80	25.50	32.70	11.30	5.70	4.17
1961	4.96	5.02	4.14	3.99	10.00	32.70	51.20	27.90	11.60	7.95	14.90	13.30
1962	14.10	35.60	31.30	49.00	47.60	78.30	36.30	30.60	14.40	21.40	6.85	4.54
1963	13.70	9.64	5.67	3.52	4.98	64.40	18.60	13.30	5.63	10.40	3.44	2.90
1964	2.38	2.94	2.43	4.22	3.13	10.40	24.60	10.20	9.36	3.57	1.97	1.53
1965	1.19	1.80	2.87	31.10	24.60	45.40	67.70	33.60	11.50	6.51	4.81	15.00
1966	23.20	13.10	44.50	26.00	14.00	32.90	43.00	73.70	19.90	6.10	3.57	3.22
1967	3.11	15.40	55.20	23.40	52.70	66.00	78.90	73.80	19.90	7.22	3.57	3.95
1968	4.86	9.99	45.10	33.50	62.20	28.90	58.20	36.20	50.00	19.60	21.20	8.21
1969	6.87	11.40	24.60	53.10	29.50	24.70	57.70	44.40	16.60	14.40	6.32	4.27
1970	18.70	30.40	17.40	12.70	19.00	26.60	67.20	54.20	27.20	8.42	3.95	13.30
1971	22.20	23.90	16.50	8.10	42.20	34.30	20.80	14.40	13.40	12.90	8.35	19.00
1972	17.40	8.24	53.50	42.50	16.90	39.00	71.10	43.70	20.80	17.80	52.10	39.10
1973	54.70	67.70	69.50	66.60	43.20	62.20	94.40	35.50	46.60	16.50	15.20	6.47
1974	7.77	8.53	30.80	65.20	51.10	65.50	49.60	111.00	33.80	12.30	4.99	4.43
1975	4.99	11.60	19.80	50.80	45.50	34.80	31.00	25.70	55.30	12.10	5.30	5.79
1976	4.62	9.06	37.80	13.20	81.60	85.80	40.80	42.80	39.20	17.60	6.67	5.19
1977	11.40	7.03	6.18	4.23	24.80	68.60	42.70	34.00	13.60	8.11	11.60	33.50
1978	27.30	19.40	50.00	11.20	7.72	69.20	69.10	62.80	34.50	22.00	8.02	4.95
1979	4.35	3.90	6.36	11.30	18.20	116.00	82.50	48.80	20.60	10.70	11.60	6.64
1980	6.64	12.80	21.60	17.70	17.30	54.50	51.90	18.50	49.70	7.82	11.40	44.20
1981	17.60	12.50	34.50	17.80	40.70	24.30	65.90	87.00	111.00	51.90	18.80	20.50
1982	19.90	20.00	18.30	34.10	67.80	149.00	64.50	25.40	25.70	10.10	5.03	4.37
1983	4.92	18.70	61.80	23.60	34.90	37.50	89.80	78.50	22.80	10.40	4.91	3.25
1984	5.95	9.81	34.90	14.60	62.20	73.70	49.20	51.70	25.40	6.68	3.86	3.71
1985	4.84	15.40	28.10	39.60	73.60	80.00	52.20	15.20	10.10	3.85	5.49	3.74



05521000 IROQUOIS RIVER AT ROSEBUD, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
4.73	6.86	8.08	11.30	17.69	31.60
FIFTIETH PERCENTILE					
6.87	11.40	21.60	23.60	34.90	40.80
SEVENTY FIFTH PERCENTILE					
16.30	19.00	39.00	41.00	55.10	67.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
37.20	23.80	14.00	8.26	4.95	4.06
FIFTIETH PERCENTILE					
51.90	33.60	20.80	11.20	6.69	5.12
SEVENTY FIFTH PERCENTILE					
67.40	48.60	37.10	17.60	11.40	10.80

## 05521500 OLIVER DITCH NEAR AIX, IN

LOCATION.--Lat 41°01', long 87°08', in SE¼SE¼ sec.20, T.30 N., R.6 W., Jasper County, Hydrologic Unit 07120002, at county highway bridge, 0.6 mi upstream from Jungles ditch, 1.5 mi southeast of Aix, 4.9 mi downstream from Davidson ditch, and 5.5 mi northeast of Rensselaer.

DRAINAGE AREA.--66.3 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1948 to December 1951 (discontinued).

GAGE.--Wire-weight gage. Elevation of gage is 666 ft above National Geodetic Vertical Datum of 1929, by barometer.

REMARKS.--Water is diverted from Oliver ditch into Ryan ditch, 4 mi above station. Ryan ditch enters the Iroquois River 2 mi above Rensselaer.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 891 ft<sup>3</sup>/s Apr. 4, 1950, gage height, 9.4 ft; minimum daily, 1.1 ft<sup>3</sup>/s Sept. 7, 1948, gage height, 1.04 ft.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1949					9	31	15	17	13	12	4	14	13	10	10	13	13	19	14	16	20	22	27	15	18	14	11	6	1	4	1	2	1			
1950		2		1	3	5	3	1	2	9	11	13	32	34	14	16	12	9	12	9	9	6	11	9	19	24	21	17	12	10	11	12	5	9	2	
1951						1	2	2			2	3	7	16	30	37	42	23	15	15	23	23	23	19	13	18	10	10	9	9	5	7	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	1095	100.00	12	10.0	52	920	84.02	24	100.0	50	282	25.75
1	1.2	2	1095	100.00	13	12.0	60	868	79.27	25	120.0	56	232	21.19
2	1.5	0	1093	99.82	14	15.0	54	808	73.79	26	150.0	42	176	16.07
3	1.8	1	1093	99.82	15	18.0	66	754	68.86	27	180.0	33	134	12.24
4	2.1	12	1092	99.73	16	22.0	67	688	62.83	28	220.0	22	101	9.22
5	2.6	36	1080	98.63	17	26.0	51	621	56.71	29	280.0	23	79	7.21
6	3.2	19	1044	95.34	18	32.0	41	570	52.05	30	320.0	17	56	5.11
7	3.8	20	1025	93.61	19	39.0	40	529	48.31	31	390.0	21	39	3.56
8	4.6	17	1005	91.78	20	47.0	52	489	44.66	32	470.0	7	18	1.64
9	5.6	21	988	90.23	21	57.0	51	437	39.91	33	570.0	9	11	1.00
10	6.8	17	967	88.31	22	69.0	61	386	35.25	34	690.0	2	2	0.18
11	8.2	30	950	86.76	23	83.0	43	325	29.68					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	3.3
P90 =	5.8
P75 =	14.3
P70 =	17.3
P50 =	35.9
P25 =	103.0
P10 =	210.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	2.40 2	2.40 2	2.50 2	2.60 1	3.40 1	5.70 1	9.80 1	10.00 1	18.00 1
1951	1.19 1	1.70 1	2.40 1	5.90 2	13.00 2	16.00 2	23.00 2	22.00 2	31.00 2

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	551.00 2	402.00 3	264.00 3	214.00 3	160.00 3	140.00 3	120.00 3	102.00 3	91.00 3
1950	819.00 1	713.00 1	582.00 1	483.00 1	359.00 1	292.00 1	282.00 1	269.00 1	205.00 1
1951	533.00 3	416.00 2	349.00 2	265.00 2	214.00 2	192.00 2	168.00 2	141.00 2	118.00 2

05521500 OLIVER DITCH NEAR AIX, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	89.00	2
1951	81.00	1

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	52.00	3
1950	115.00	1
1951	76.00	2

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	3.75	8.92	32.80	130.00	145.00	81.60	50.40	47.50	92.60	24.40	10.50	3.44
1950	18.30	10.90	95.20	287.00	217.00	215.00	344.00	56.90	52.70	40.90	12.60	39.40
1951	16.20	28.10	46.90	72.40	144.00	130.00	192.00	94.00	51.30	102.00	24.70	16.50

05522000 IROQUOIS RIVER NEAR NORTH MARION, IN

LOCATION.--Lat 40°58'12", long 87°06'50", in NE¼NW¼ sec.16, T.29 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on downstream side of county highway bridge, 1.2 mi upstream from Ryan ditch, 2 mi east of North Marion, 3.5 mi northeast of Rensselaer, and at mile 87.7.

DRAINAGE AREA.--144 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 646.68 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 6, 1955, nonrecording gage at same site and datum.

REMARKS.--Water from Oliver ditch, an upstream tributary, can be diverted to Ryan ditch and thus enter the Iroquois River below station. Streamflow affected by irrigation.

AVERAGE DISCHARGE.--36 years (water years 1950 to 1985), 133 ft<sup>3</sup>/s, 12.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,040 ft<sup>3</sup>/s June 10, 1958, gage height, 15.09 ft; minimum daily, 1.6 ft<sup>3</sup>/s Sept. 15, 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
	NUMBER OF DAYS IN CLASS																																				
1950									1	2	2	30	36	27	26	17	13	12	14	11	8	7	13	12	23	21	24	25	24	25	17	11	9	4			
1951												1	3			25	44	56	27	25	20	22	24	29	20	15	12	14	18	8	2						
1952											3	16	14	15	22	7	11	7	8	14	20	44	64	35	26	23	17	10	6	3	1						
1953							13	18	23	28	22	26	22	18	12	14	19	32	19	25	23	20	9	6	6	6	3	6	1								
1954							3	21	37	79	35	23	18	9	16	5	4	16	20	13	19	11	22	5	2	5	2										
1955							3	17	16	18	6	8	11	34	40	31	21	21	25	16	21	22	18	12	13	9	3										
1956							3	13	11	2	18	17	18	31	38	40	27	25	28	19	6	14	17	14	7	5	5	3	2	1	2						
1957							10	26	9	19	20	8	12	24	15	26	22	29	15	13	10	6	17	11	13	11	6	13	14	6	6	1	2	1			
1958											1	7	12	18	15	19	15	19	25	38	48	45	27	12	12	12	11	10	6	3	1	3	1	3	2		
1959							3	6	18	9	12	17	10	21	31	26	22	24	18	9	17	14	21	15	14	17	18	8	5	3	1	4	2				
1960							1		6	5	9	16	13	11	8	5	13	9	10	46	42	55	48	16	11	12	8	8	4	6	4						
1961										1	8	48	47	54	23	10	18	9	13	22	20	25	21	8	14	4	10	3	2	2	3						
1962									4	20	18	18	7	8	8	10	11	18	34	26	51	39	24	15	19	11	11	5	7	1							
1963							10	48	44	30	30	22	44	19	17	14	24	12	5	9	7	11	6	4	2	1	1	1	1	3	1						
1964							3	14	6	30	30	27	31	27	28	25	16	16	8	17	17	12	9	6	5	4	1	2	1								
1965							2	7	3	25	15	14	4	8	9	17	26	16	17	21	19	14	17	11	19	18	16	17	18	14	8	8	2				
1966							8	4	2	5	13	6	10	13	6	7	7	5	2	4	20	35	48	36	17	22	23	15	7	14	9	7	11	5	2	2	
1967									7	21	36	33	13	6	4	3	8	12	14	13	23	16	22	22	20	22	13	16	13	14	10	3	1				
1968											4	11	7	15	21	18	15	27	29	35	31	13	21	29	21	11	9	7	10	6	9	10	5	2			
1969											2	8	19	16	24	34	11	22	11	18	31	21	35	24	18	15	15	13	12	7	5	4					
1970									1	4	21	14	13	12	36	14	9	27	41	38	24	25	24	12	15	9	8	5	4	4	5						
1971												10	18	33	35	26	34	24	36	40	22	31	14	18	7	8	5	1	2	1							
1972													2	26	16	32	30	48	33	19	20	33	28	14	18	13	17	17									
1973													4	17	8	16	9	7	9	18	20	38	39	51	41	35	18	8	4	6	9						
1974											5	18	16	17	17	18	26	21	12	12	20	16	29	32	17	24	10	11	12	10	7	5	7	3			
1975									2	3	15	11	12	16	15	17	17	21	26	28	24	46	34	24	18	9	8	4	6	6	3						
1976										3	2	6	21	47	21	11	16	33	22	13	17	29	22	17	14	11	17	11	12	9	9	3					
1977									1	1	18	19	26	39	51	35	19	10	24	23	15	19	14	14	7	12	7	7	1	2	1						
1978										3	8	14	10	13	16	32	35	20	27	37	12	23	23	17	14	15	10	12	10	10	4						
1979										1		22	55	40	23	17	26	24	16	11	9	12	16	6	7	11	15	15	10	10	9	3	2	2	2	1	
1980									4	5	1	14	4	7	22	16	17	26	19	12	43	30	37	22	11	10	12	19	17	12	2	2	2				
1981																14	23	49	61	40	22	23	23	14	15	11	12	19	12	11	4	10	2				
1982												10	18	18	3	8	7	14	21	42	37	26	38	27	16	15	14	7	8	9	8	4	6	4	5		
1983																				9	9	10	10	16	25	43	38	24	18	11	12	10	8	6	2	4	2
1984																				9	14	14	36	16	16	25	33	23	13	7	7	9	11	7	4	3	1
1985																																					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13149	100.00	12	17.0	628	11155	84.84	24	220.0	508	2294	17.45
1	1.6	3	13149	100.00	13	21.0	658	10527	80.06	25	270.0	434	1786	13.58
2	2.0	22	13146	99.98	14	26.0	716	9869	75.06	26	330.0	392	1352	10.28
3	2.5	12	13124	99.81	15	32.0	644	9153	69.61	27	410.0	337	960	7.30
4	3.0	40	13112	99.72	16	39.0	723	8509	64.71	28	510.0	249	623	4.74
5	3.8	53	13072	99.41	17	49.0	682	7786	59.21	29	630.0	165	374	2.84
6	4.7	101	13019	99.01	18	60.0	848	7104	54.03	30	780.0	105	209	1.59
7	5.8	128	12918	98.24	19	75.0	879	6256	47.58	31	970.0	69	104	0.79
8	7.1	205	12790	97.27	20	93.0	669	5377	40.89	32	1200.0	22	35	0.27
9	8.8	307	12585	95.71	21	110.0	940	4708	35.80	33	1500.0	10	13	0.10
10	11.0	564	12278	93.38	22	140.0	862	3768	28.66	34	1800.0	3	3	0.02
11	14.0	559	11714	89.09	23	180.0	612	2906	22.10					

## 05522000 IROQUOIS RIVER NEAR NORTH MARION, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 9.5  
 P90 = 13.4  
 P75 = 26.1  
 P70 = 31.6  
 P50 = 69.4  
 P25 = 162.0  
 P10 = 338.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	5.80 8	5.80 7	5.80 6	6.00 6	7.60 6	12.00 9	15.00 12	15.00 7	27.00 8
1951	17.00 33	18.00 33	19.00 31	20.00 29	24.00 30	38.00 33	56.00 33	54.00 30	66.00 28
1952	16.00 32	17.00 32	20.00 32	22.00 33	25.00 33	28.00 27	44.00 31	71.00 32	97.00 33
1953	6.50 14	7.50 15	8.20 15	9.10 14	11.00 13	13.00 11	14.00 9	17.00 8	28.00 10
1954	6.20 10	6.50 8	6.60 8	6.80 7	7.80 7	12.00 10	12.00 6	12.00 5	13.00 4
1955	7.00 15	7.10 12	7.20 10	7.40 9	8.00 8	14.00 12	17.00 14	27.00 19	31.00 11
1956	6.20 11	7.20 13	7.40 11	8.30 11	13.00 15	15.00 16	18.00 18	25.00 17	32.00 13
1957	4.40 6	4.40 6	4.50 4	5.10 4	5.40 4	5.90 2	7.50 3	9.00 3	12.00 3
1958	15.00 31	16.00 31	16.00 27	18.00 26	20.00 24	25.00 26	37.00 29	77.00 33	125.00 35
1959	13.00 28	14.00 28	20.00 33	21.00 30	21.00 25	24.00 24	32.00 26	37.00 23	54.00 22
1960	4.30 5	4.30 5	4.80 5	5.30 5	6.50 5	11.00 8	14.00 10	19.00 13	45.00 18
1961	5.40 7	7.00 11	7.60 12	9.10 15	15.00 21	15.00 17	17.00 15	18.00 10	19.00 5
1962	10.00 24	12.00 25	14.00 25	17.00 25	24.00 31	54.00 34	55.00 32	62.00 31	78.00 31
1963	9.00 21	9.00 18	9.10 16	9.50 16	10.00 12	14.00 13	18.00 16	22.00 15	23.00 6
1964	3.00 3	3.00 3	3.00 3	3.40 3	3.70 2	5.90 3	5.90 2	6.30 2	9.30 2
1965	1.60 1	1.90 1	2.10 1	2.30 1	3.10 1	3.50 1	5.00 1	4.90 1	8.80 1
1966	7.60 17	7.70 16	9.40 17	14.00 23	23.00 28	29.00 28	30.00 24	44.00 24	59.00 24
1967	2.00 2	2.10 2	2.40 2	2.80 2	4.40 3	6.30 4	8.30 4	9.40 4	31.00 12
1968	5.90 9	6.50 9	7.10 9	7.40 10	8.90 9	10.00 5	11.00 5	15.00 6	33.00 14
1969	12.00 25	13.00 26	17.00 30	22.00 31	24.00 29	25.00 25	31.00 25	45.00 28	76.00 30
1970	9.20 22	11.00 23	12.00 22	13.00 21	15.00 22	17.00 19	28.00 23	35.00 22	58.00 23
1971	7.40 16	9.00 19	10.00 19	11.00 17	13.00 16	18.00 20	23.00 20	44.00 25	65.00 27
1972	14.00 29	15.00 30	16.00 28	24.00 34	27.00 34	33.00 32	41.00 30	45.00 29	49.00 20
1973	28.00 35	29.00 35	31.00 35	37.00 35	59.00 35	88.00 36	111.00 36	112.00 36	158.00 36
1974	19.00 34	20.00 34	21.00 34	22.00 32	25.00 32	31.00 30	34.00 27	44.00 26	61.00 25
1975	7.90 18	8.40 17	9.60 18	11.00 18	13.00 17	14.00 14	15.00 11	18.00 11	35.00 15
1976	14.00 30	14.00 29	16.00 29	19.00 27	21.00 26	23.00 23	28.00 21	28.00 20	65.00 26
1977	9.50 23	9.80 21	12.00 23	13.00 22	14.00 19	18.00 21	22.00 19	25.00 16	27.00 9
1978	8.30 19	9.60 20	14.00 26	19.00 28	22.00 27	30.00 29	37.00 28	44.00 27	70.00 29
1979	8.50 20	10.00 22	11.00 20	12.00 19	13.00 18	15.00 15	16.00 13	18.00 12	24.00 7
1980	12.00 26	13.00 27	13.00 24	15.00 24	18.00 23	21.00 22	28.00 22	34.00 21	48.00 19
1981	6.30 12	6.60 10	7.60 13	8.80 13	12.00 14	33.00 31	81.00 34	89.00 34	97.00 32
1982	35.00 36	37.00 36	40.00 36	45.00 36	66.00 36	84.00 35	89.00 35	96.00 35	112.00 34
1983	12.00 27	12.00 24	12.00 21	13.00 20	15.00 20	16.00 18	18.00 17	27.00 18	53.00 21
1984	3.60 4	3.90 4	6.30 7	7.20 8	9.60 11	11.00 6	13.00 7	20.00 14	38.00 16
1985	6.40 13	7.30 14	7.80 14	8.40 12	9.30 10	11.00 7	14.00 8	17.00 9	38.00 17

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	1060.00 12	1020.00 13	922.00 10	810.00 6	607.00 6	480.00 6	470.00 4	458.00 1	352.00 2
1951	675.00 29	630.00 31	540.00 29	420.00 30	328.00 29	316.00 21	277.00 19	238.00 20	204.00 23
1952	790.00 27	763.00 26	646.00 25	422.00 29	308.00 30	251.00 28	237.00 26	227.00 23	226.00 15
1953	536.00 33	491.00 33	434.00 33	344.00 32	294.00 32	218.00 31	178.00 30	153.00 32	125.00 31
1954	426.00 35	415.00 34	337.00 35	266.00 35	251.00 33	182.00 34	153.00 35	133.00 34	102.00 34
1955	446.00 34	410.00 35	367.00 34	272.00 34	206.00 35	176.00 35	157.00 33	164.00 30	145.00 29
1956	860.00 23	815.00 23	644.00 27	426.00 27	299.00 31	208.00 32	157.00 34	160.00 31	121.00 32
1957	1230.00 10	1140.00 10	903.00 13	681.00 11	521.00 11	374.00 14	308.00 15	295.00 12	209.00 21
1958	1970.00 1	1820.00 1	1610.00 1	1110.00 2	646.00 4	397.00 11	302.00 17	237.00 22	202.00 24
1959	1060.00 13	1010.00 14	918.00 11	598.00 15	439.00 17	355.00 15	310.00 14	260.00 18	189.00 26
1960	830.00 25	810.00 24	698.00 22	457.00 26	407.00 20	265.00 26	261.00 24	238.00 21	213.00 18
1961	895.00 22	848.00 22	686.00 23	490.00 23	366.00 23	269.00 25	223.00 28	189.00 28	147.00 28
1962	794.00 26	751.00 27	646.00 26	559.00 18	449.00 16	339.00 18	305.00 16	270.00 17	235.00 14
1963	1000.00 16	927.00 19	765.00 19	497.00 22	350.00 27	220.00 30	166.00 31	134.00 33	98.00 35
1964	296.00 36	257.00 36	182.00 36	154.00 36	107.00 36	83.00 36	65.00 36	58.00 36	43.00 36
1965	660.00 31	637.00 30	506.00 30	385.00 31	356.00 25	304.00 22	268.00 22	248.00 19	191.00 25

## 05522000 IRDQUOIS RIVER NEAR NORTH MARION, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	1020.00	15	983.00	15	835.00	15	569.00	17	453.00	15	298.00	23	263.00	23	220.00	25	212.00	19
1967	990.00	18	950.00	17	796.00	18	513.00	21	477.00	13	407.00	9	375.00	6	318.00	9	277.00	6
1968	1260.00	8	1190.00	7	1020.00	7	782.00	9	458.00	14	352.00	16	313.00	13	289.00	14	251.00	11
1969	834.00	24	799.00	25	651.00	24	526.00	19	407.00	21	326.00	20	274.00	20	275.00	15	236.00	13
1970	944.00	20	909.00	20	746.00	20	466.00	24	406.00	22	342.00	17	268.00	21	224.00	24	172.00	27
1971	673.00	30	641.00	29	441.00	32	273.00	33	228.00	34	208.00	33	160.00	32	130.00	35	120.00	33
1972	628.00	32	595.00	32	483.00	31	423.00	28	353.00	26	295.00	24	245.00	25	211.00	26	206.00	22
1973	1190.00	11	1120.00	11	965.00	8	631.00	14	586.00	7	452.00	7	375.00	7	391.00	4	356.00	1
1974	1310.00	5	1270.00	5	1190.00	5	884.00	5	581.00	9	405.00	10	373.00	8	340.00	7	318.00	5
1975	936.00	21	899.00	21	715.00	21	578.00	16	362.00	24	249.00	29	219.00	29	206.00	27	217.00	17
1976	1050.00	14	1020.00	12	955.00	9	783.00	8	692.00	3	505.00	4	410.00	5	341.00	6	270.00	8
1977	786.00	28	750.00	28	606.00	28	457.00	25	345.00	28	260.00	27	224.00	27	185.00	29	134.00	30
1978	968.00	19	946.00	18	812.00	17	687.00	10	582.00	8	389.00	13	347.00	11	294.00	13	224.00	16
1979	1800.00	2	1740.00	2	1450.00	3	981.00	3	698.00	2	568.00	2	479.00	3	388.00	5	270.00	9
1980	992.00	17	974.00	16	824.00	16	518.00	20	422.00	19	332.00	19	294.00	18	271.00	16	210.00	20
1981	1290.00	6	1210.00	6	1020.00	6	789.00	7	568.00	10	522.00	3	483.00	2	419.00	3	320.00	4
1982	1690.00	3	1640.00	3	1510.00	2	1220.00	1	899.00	1	673.00	1	512.00	1	430.00	2	327.00	3
1983	1270.00	7	1170.00	8	899.00	14	642.00	13	491.00	12	444.00	8	350.00	10	305.00	11	271.00	7
1984	1230.00	9	1160.00	9	918.00	12	649.00	12	431.00	18	393.00	12	332.00	12	315.00	10	251.00	10
1985	1440.00	4	1400.00	4	1240.00	4	926.00	4	632.00	5	490.00	5	352.00	9	323.00	8	244.00	12

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	147.00	22
1951	151.00	24
1952	161.00	29
1953	107.00	11
1954	55.00	3
1955	85.00	8
1956	74.00	5
1957	53.00	2
1958	179.00	33
1959	157.00	28
1960	123.00	14
1961	82.00	7
1962	170.00	30
1963	76.00	6
1964	29.00	1
1965	71.00	4
1966	126.00	15
1967	146.00	21
1968	156.00	27
1969	154.00	25
1970	111.00	12
1971	129.00	17
1972	93.00	9
1973	241.00	35
1974	188.00	34
1975	150.00	23
1976	171.00	31
1977	104.00	10
1978	123.00	13
1979	142.00	20
1980	140.00	18
1981	140.00	19
1982	293.00	36
1983	128.00	16
1984	174.00	32
1985	154.00	26

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	202.00	3
1951	136.00	20
1952	160.00	9
1953	72.00	33
1954	58.00	35
1955	87.00	30
1956	76.00	32
1957	114.00	25
1958	164.00	8
1959	108.00	27
1960	140.00	18
1961	89.00	28
1962	146.00	16
1963	60.00	34
1964	24.00	36
1965	110.00	26
1966	128.00	23
1967	156.00	11
1968	167.00	7
1969	139.00	19
1970	118.00	24
1971	87.00	31
1972	154.00	12
1973	245.00	1
1974	178.00	5
1975	132.00	22
1976	167.00	6
1977	88.00	29
1978	148.00	14
1979	148.00	15
1980	149.00	13
1981	204.00	2
1982	197.00	4
1983	157.00	10
1984	145.00	17
1985	135.00	21

05522000 IROQUOIS RIVER NEAR NORTH MARION, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	*	*	*	*	*	*	95.80	83.40	116.00	38.70	20.10	7.58
1950	22.90	15.90	164.00	480.00	391.00	345.00	604.00	112.00	87.20	87.00	37.10	94.30
1951	43.20	53.50	90.60	149.00	258.00	214.00	309.00	163.00	88.50	198.00	50.30	28.80
1952	80.40	205.00	163.00	271.00	177.00	195.00	253.00	187.00	266.00	66.70	47.20	16.20
1953	11.20	14.90	30.60	65.10	92.60	241.00	174.00	93.60	57.20	57.20	14.00	13.70
1954	13.00	11.00	14.40	18.90	59.60	131.00	222.00	76.30	81.50	39.90	19.80	8.08
1955	58.30	29.50	46.70	146.00	100.00	193.00	153.00	101.00	166.00	25.30	18.10	13.50
1956	44.60	53.90	38.40	27.10	146.00	103.00	73.20	272.00	93.90	36.70	16.10	11.90
1957	5.69	7.35	14.30	20.40	45.50	36.70	441.00	294.00	162.00	266.00	44.90	23.70
1958	100.00	156.00	289.00	164.00	77.00	125.00	90.10	41.60	632.00	157.00	110.00	28.30
1959	21.80	56.80	41.80	73.40	396.00	268.00	237.00	141.00	34.00	22.60	12.10	15.00
1960	77.10	194.00	146.00	156.00	283.00	172.00	330.00	114.00	132.00	48.20	22.10	14.80
1961	16.00	24.90	18.20	19.20	55.10	199.00	289.00	171.00	74.00	37.50	82.70	81.20
1962	89.40	188.00	148.00	228.00	229.00	427.00	186.00	107.00	59.10	64.00	16.90	15.30
1963	44.60	32.70	22.30	13.20	19.00	327.00	90.20	69.50	30.00	46.10	13.40	10.20
1964	6.42	7.13	5.97	13.60	12.70	47.10	101.00	45.80	34.50	11.60	3.57	5.38
1965	6.18	5.95	20.90	200.00	171.00	253.00	354.00	121.00	55.50	28.30	31.30	77.90
1966	108.00	65.10	253.00	147.00	73.60	189.00	212.00	375.00	72.60	17.00	7.28	7.68
1967	11.10	78.90	311.00	78.30	239.00	344.00	385.00	300.00	90.40	22.40	11.40	8.87
1968	18.90	52.00	289.00	166.00	384.00	151.00	346.00	176.00	201.00	116.00	95.60	24.90
1969	27.70	59.80	171.00	268.00	222.00	146.00	384.00	222.00	70.70	63.00	21.40	16.30
1970	77.10	126.00	70.60	66.50	93.40	128.00	352.00	292.00	96.90	29.70	15.90	73.70
1971	93.80	115.00	67.70	30.20	226.00	175.00	84.50	42.10	65.50	55.90	29.60	68.80
1972	51.90	30.40	222.00	208.00	72.30	180.00	350.00	197.00	110.00	88.40	156.00	175.00
1973	251.00	321.00	293.00	404.00	226.00	320.00	571.00	161.00	200.00	68.70	99.30	24.70
1974	36.50	45.20	160.00	364.00	234.00	304.00	233.00	566.00	128.00	33.50	16.00	16.10
1975	13.80	57.20	87.40	251.00	249.00	150.00	168.00	131.00	361.00	61.00	28.50	36.70
1976	21.40	39.50	202.00	73.10	480.00	470.00	207.00	194.00	189.00	84.90	35.70	22.60
1977	44.50	31.60	25.60	15.50	93.00	305.00	173.00	146.00	47.60	28.50	35.50	115.00
1978	118.00	79.10	242.00	53.80	37.20	389.00	328.00	283.00	123.00	73.00	27.40	16.20
1979	14.80	17.10	35.70	39.40	60.90	672.00	443.00	273.00	101.00	35.50	58.50	20.10
1980	23.80	79.60	135.00	96.00	90.40	319.00	327.00	92.00	300.00	20.40	51.80	257.00
1981	72.70	48.30	163.00	78.90	186.00	96.70	378.00	462.00	568.00	231.00	78.00	99.10
1982	105.00	107.00	105.00	182.00	432.00	788.00	312.00	108.00	148.00	54.10	22.40	15.30
1983	17.50	94.50	290.00	115.00	178.00	185.00	447.00	402.00	86.00	40.70	15.30	9.98
1984	29.40	50.20	192.00	66.80	368.00	384.00	229.00	259.00	115.00	29.50	12.20	11.80
1985	17.90	75.10	127.00	207.00	337.00	433.00	290.00	58.50	35.90	15.10	27.60	14.20

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
16.39	29.70	36.40	43.00	74.40	150.00
FIFTIETH PERCENTILE					
32.90	53.70	131.00	106.00	178.00	207.00
SEVENTY FIFTH PERCENTILE					
77.10	90.80	200.00	205.00	256.00	340.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
174.00	97.30	68.10	29.00	16.00	12.70
FIFTIETH PERCENTILE					
289.00	161.00	96.90	46.10	27.40	16.19
SEVENTY FIFTH PERCENTILE					
353.00	273.00	164.00	70.80	48.70	52.70





## 05522500 IROQUOIS RIVER AT RENSSELAER, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13514	100.00	12	23.0	519	10980	81.25	24	290.0	501	2242	16.59
1	2.2	5	13514	100.00	13	28.0	721	10461	77.41	25	360.0	424	1741	12.88
2	2.7	22	13509	99.96	14	35.0	633	9740	72.07	26	440.0	377	1317	9.75
3	3.4	17	13487	99.80	15	43.0	713	9107	67.39	27	550.0	305	940	6.96
4	4.2	61	13470	99.67	16	53.0	740	8394	62.11	28	680.0	239	635	4.70
5	5.1	93	13409	99.22	17	66.0	811	7654	56.64	29	840.0	140	396	2.93
6	6.4	102	13316	98.53	18	81.0	881	6843	50.64	30	1000.0	147	256	1.89
7	7.9	165	13214	97.78	19	100.0	791	5962	44.12	31	1300.0	77	109	0.81
8	9.7	264	13049	96.56	20	120.0	847	5171	38.26	32	1600.0	24	32	0.24
9	12.0	418	12785	94.61	21	150.0	837	4324	32.00	33	2000.0	6	8	0.06
10	15.0	556	12367	91.51	22	190.0	595	3487	25.80	34	2400.0	2	2	0.01
11	18.0	831	11811	87.40	23	230.0	650	2892	21.40					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 11.5  
 P90 = 16.1  
 P75 = 31.2  
 P70 = 38.5  
 P50 = 82.9  
 P25 = 197.0  
 P10 = 434.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	10.00 14	10.00 13	11.00 14	11.00 12	12.00 10	15.00 9	22.00 17	23.00 12	36.00 10
1951	27.00 34	28.00 34	30.00 34	33.00 34	41.00 34	57.00 33	85.00 33	82.00 31	97.00 30
1952	24.00 32	26.00 32	27.00 32	32.00 33	37.00 33	43.00 32	63.00 31	99.00 33	139.00 34
1953	12.00 19	13.00 21	14.00 16	15.00 18	16.00 15	18.00 13	19.00 10	25.00 13	38.00 11
1954	8.20 10	8.60 9	9.00 9	9.50 9	12.00 11	13.00 7	14.00 6	14.00 5	17.00 4
1955	7.20 7	7.50 7	7.80 7	9.00 7	9.70 7	16.00 11	21.00 16	34.00 20	39.00 12
1956	8.20 11	8.60 10	9.00 8	9.40 8	15.00 13	19.00 18	23.00 18	32.00 17	40.00 13
1957	5.30 6	5.70 5	6.50 6	6.90 5	7.30 5	8.00 4	9.80 4	12.00 4	15.00 3
1958	13.00 23	14.00 22	17.00 26	19.00 24	21.00 24	24.00 22	40.00 27	88.00 32	147.00 35
1959	15.00 29	16.00 28	19.00 29	20.00 26	22.00 25	25.00 23	34.00 24	44.00 23	61.00 20
1960	5.00 5	5.10 4	5.40 4	5.80 4	7.00 4	11.00 5	17.00 7	22.00 10	52.00 18
1961	13.00 24	14.00 23	14.00 17	15.00 19	17.00 16	18.00 14	20.00 13	20.00 7	21.00 5
1962	15.00 30	16.00 29	17.00 27	20.00 27	32.00 31	62.00 34	75.00 32	81.00 30	101.00 31
1963	10.00 15	10.00 14	10.00 12	10.00 10	11.00 8	15.00 10	19.00 11	23.00 11	26.00 6
1964	3.90 2	3.90 2	4.00 2	4.40 2	4.90 2	7.10 2	6.90 2	7.30 2	10.00 1
1965	2.20 1	2.40 1	2.80 1	2.90 1	4.20 1	4.40 1	5.10 1	5.20 1	10.00 2
1966	12.00 20	12.00 17	14.00 18	19.00 25	29.00 28	34.00 27	36.00 25	55.00 27	67.00 22
1967	4.00 3	4.30 3	4.70 3	5.20 3	6.80 3	7.70 3	8.70 3	9.80 3	35.00 9
1968	4.90 4	5.80 6	6.30 5	7.00 6	9.60 6	12.00 6	14.00 5	18.00 6	40.00 14
1969	18.00 31	19.00 31	26.00 31	30.00 32	31.00 30	34.00 28	39.00 26	54.00 25	86.00 29
1970	9.10 12	12.00 18	14.00 19	15.00 20	17.00 17	19.00 19	33.00 22	43.00 22	72.00 24
1971	7.90 9	9.00 11	11.00 13	13.00 14	18.00 22	22.00 21	28.00 20	55.00 28	83.00 28
1972	14.00 28	16.00 30	20.00 30	25.00 30	30.00 29	41.00 31	55.00 30	54.00 26	64.00 21
1973	36.00 35	37.00 35	40.00 35	47.00 35	71.00 35	107.00 36	132.00 36	135.00 36	196.00 36
1974	27.00 33	28.00 33	29.00 33	29.00 31	33.00 32	40.00 30	43.00 29	57.00 29	77.00 26
1975	12.00 21	12.00 19	14.00 20	15.00 21	17.00 18	19.00 20	21.00 14	26.00 14	43.00 15
1976	13.00 25	14.00 24	17.00 28	22.00 29	23.00 26	25.00 24	32.00 21	32.00 18	74.00 25
1977	12.00 22	12.00 20	14.00 21	14.00 15	14.00 12	18.00 15	23.00 19	26.00 15	28.00 8
1978	10.00 16	11.00 15	15.00 22	21.00 28	24.00 27	33.00 26	41.00 28	48.00 24	81.00 27
1979	11.00 17	11.00 16	12.00 15	15.00 16	17.00 19	18.00 16	18.00 9	21.00 8	27.00 7
1980	12.00 18	14.00 25	15.00 23	17.00 23	21.00 23	26.00 25	34.00 23	38.00 21	52.00 19
1981	7.80 8	8.10 8	9.30 10	12.00 13	17.00 20	36.00 29	93.00 34	105.00 34	113.00 32
1982	42.00 36	45.00 36	47.00 36	55.00 36	84.00 36	97.00 35	113.00 35	118.00 35	135.00 33
1983	14.00 26	15.00 27	15.00 24	16.00 22	17.00 21	19.00 17	21.00 15	32.00 19	69.00 23
1984	14.00 27	14.00 26	15.00 25	15.00 17	16.00 14	17.00 12	20.00 12	27.00 16	49.00 17
1985	9.20 13	9.70 12	10.00 11	10.00 11	12.00 9	14.00 8	17.00 8	21.00 9	45.00 16

## 05522500 IROQUOIS RIVER AT RENNELAER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	1070.00 28	948.00 31	759.00 30	612.00 28	434.00 31	398.00 22	332.00 26	285.00 25	235.00 27
1950	1590.00 8	1510.00 8	1380.00 7	1210.00 5	890.00 2	712.00 2	708.00 1	689.00 1	522.00 1
1951	1240.00 24	1090.00 25	902.00 25	671.00 23	507.00 23	491.00 13	418.00 12	352.00 15	303.00 14
1952	1070.00 29	1040.00 28	899.00 26	576.00 29	436.00 30	364.00 28	336.00 22	318.00 21	316.00 11
1953	843.00 34	787.00 34	695.00 32	549.00 32	464.00 28	338.00 29	268.00 30	230.00 31	183.00 31
1954	594.00 36	538.00 36	422.00 36	325.00 36	306.00 35	216.00 36	186.00 36	162.00 36	128.00 35
1955	650.00 35	613.00 35	538.00 35	393.00 35	299.00 36	246.00 35	225.00 32	232.00 30	205.00 30
1956	1400.00 15	1240.00 22	987.00 23	618.00 27	424.00 32	288.00 34	221.00 34	224.00 32	166.00 32
1957	1560.00 9	1450.00 9	1170.00 12	892.00 11	673.00 11	471.00 16	391.00 17	383.00 13	269.00 21
1958	2500.00 1	2390.00 1	2180.00 1	1520.00 1	879.00 4	545.00 10	403.00 16	315.00 22	256.00 23
1959	1380.00 17	1340.00 14	1240.00 10	797.00 15	581.00 18	470.00 17	416.00 13	346.00 16	250.00 24
1960	1230.00 25	1180.00 23	1020.00 22	659.00 24	587.00 17	375.00 26	361.00 19	320.00 19	282.00 17
1961	1330.00 21	1280.00 19	1060.00 19	760.00 18	567.00 19	410.00 21	336.00 23	278.00 27	214.00 29
1962	1170.00 26	1080.00 27	897.00 27	763.00 17	601.00 16	437.00 19	385.00 18	336.00 17	293.00 15
1963	1400.00 16	1330.00 16	1070.00 18	682.00 22	472.00 26	293.00 32	220.00 35	174.00 35	126.00 36
1964	391.00 37	348.00 37	242.00 37	203.00 37	138.00 37	105.00 37	82.00 37	71.00 37	53.00 37
1965	870.00 32	825.00 32	641.00 34	464.00 33	440.00 29	365.00 27	327.00 27	305.00 23	237.00 26
1966	1410.00 13	1360.00 12	1150.00 13	757.00 19	617.00 12	396.00 23	333.00 25	279.00 26	271.00 20
1967	1410.00 14	1340.00 15	1100.00 15	704.00 20	610.00 15	513.00 12	468.00 7	399.00 9	353.00 6
1968	1720.00 6	1640.00 6	1420.00 6	1060.00 7	613.00 14	474.00 15	415.00 14	389.00 11	327.00 8
1969	1160.00 27	1090.00 26	861.00 28	702.00 21	536.00 21	413.00 20	334.00 24	334.00 18	281.00 18
1970	1310.00 22	1270.00 20	1050.00 20	639.00 25	556.00 20	460.00 18	356.00 20	299.00 24	226.00 28
1971	1000.00 30	968.00 29	700.00 31	418.00 34	335.00 34	293.00 33	225.00 33	183.00 34	164.00 33
1972	845.00 33	798.00 33	649.00 33	559.00 31	465.00 27	386.00 25	316.00 28	270.00 28	266.00 22
1973	1360.00 18	1320.00 17	1190.00 11	805.00 12	715.00 9	566.00 7	465.00 8	487.00 4	437.00 3
1974	1810.00 5	1770.00 5	1650.00 4	1220.00 3	796.00 7	564.00 8	514.00 5	474.00 5	449.00 2
1975	1270.00 23	1180.00 24	950.00 24	793.00 16	488.00 25	317.00 30	280.00 29	254.00 29	272.00 19
1976	1420.00 12	1360.00 13	1290.00 9	1030.00 8	882.00 3	613.00 6	492.00 6	405.00 8	318.00 9
1977	1000.00 31	956.00 30	764.00 29	566.00 30	414.00 33	311.00 31	267.00 31	217.00 33	157.00 34
1978	1350.00 19	1310.00 18	1120.00 14	926.00 10	781.00 8	530.00 11	459.00 9	383.00 12	292.00 16
1979	2060.00 2	2030.00 2	1810.00 2	1190.00 6	825.00 6	665.00 3	548.00 4	440.00 6	305.00 13
1980	1350.00 20	1270.00 21	1040.00 21	629.00 26	495.00 24	396.00 24	343.00 21	319.00 20	248.00 25
1981	1640.00 7	1580.00 7	1310.00 8	980.00 9	679.00 10	639.00 4	595.00 2	500.00 2	388.00 4
1982	2000.00 3	1910.00 3	1760.00 3	1440.00 2	1060.00 1	771.00 1	586.00 3	494.00 3	379.00 5
1983	1500.00 10	1410.00 10	1090.00 16	802.00 13	614.00 13	560.00 9	441.00 11	381.00 14	342.00 7
1984	1460.00 11	1370.00 11	1080.00 17	800.00 14	531.00 22	479.00 14	409.00 15	394.00 10	313.00 12
1985	1920.00 4	1850.00 4	1610.00 5	1210.00 4	826.00 5	639.00 5	458.00 10	423.00 7	316.00 10

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	220.00 29
1951	220.00 30
1952	226.00 33
1953	155.00 14
1954	72.00 3
1955	112.00 7
1956	101.00 6
1957	70.00 2
1958	222.00 31
1959	204.00 26
1960	158.00 15
1961	115.00 8
1962	224.00 32
1963	93.00 5
1964	35.00 1
1965	88.00 4
1966	152.00 13
1967	189.00 22
1968	201.00 25
1969	183.00 21
1970	140.00 11
1971	173.00 19
1972	121.00 10
1973	300.00 35
1974	254.00 34
1975	196.00 23

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	132.00 28
1950	299.00 2
1951	201.00 9
1952	220.00 6
1953	105.00 32
1954	72.00 36
1955	122.00 30
1956	102.00 33
1957	145.00 25
1958	205.00 8
1959	140.00 26
1960	184.00 15
1961	125.00 29
1962	181.00 16
1963	75.00 35
1964	30.00 37
1965	135.00 27
1966	160.00 23
1967	199.00 10
1968	213.00 7
1969	165.00 21
1970	153.00 24
1971	118.00 31
1972	196.00 12
1973	303.00 1
1974	249.00 3

## 05522500 IROQUOIS RIVER AT RENSSELAER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	207.00	27
1977	118.00	9
1978	150.00	12
1979	174.00	20
1980	160.00	16
1981	165.00	18
1982	345.00	36
1983	160.00	17
1984	216.00	28
1985	198.00	24

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1975	163.00	22
1976	195.00	13
1977	102.00	34
1978	188.00	14
1979	168.00	20
1980	175.00	19
1981	248.00	4
1982	230.00	5
1983	199.00	11
1984	180.00	17
1985	176.00	18

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	16.00	22.70	86.70	382.00	402.00	200.00	140.00	122.00	155.00	45.00	24.60	11.80
1950	36.60	23.20	245.00	774.00	574.00	501.00	886.00	126.00	125.00	127.00	55.60	145.00
1951	65.40	79.20	129.00	204.00	406.00	324.00	462.00	212.00	110.00	316.00	71.60	46.00
1952	116.00	277.00	215.00	378.00	243.00	263.00	351.00	293.00	354.00	77.70	58.00	20.70
1953	17.50	20.80	52.40	94.50	142.00	378.00	258.00	124.00	76.50	64.70	23.00	14.60
1954	14.00	13.50	15.10	35.60	71.50	153.00	266.00	94.60	119.00	49.60	22.60	9.80
1955	73.60	38.00	64.90	209.00	132.00	269.00	215.00	152.00	239.00	32.10	24.70	15.60
1956	55.10	67.00	45.50	32.60	205.00	137.00	132.00	368.00	118.00	42.00	18.60	13.10
1957	7.65	11.20	17.70	23.20	50.90	40.80	572.00	354.00	209.00	378.00	47.50	23.50
1958	112.00	183.00	351.00	186.00	87.80	157.00	106.00	47.60	863.00	221.00	118.00	31.50
1959	22.60	62.50	58.80	83.50	520.00	352.00	331.00	185.00	39.90	29.00	12.50	14.10
1960	77.10	246.00	176.00	187.00	383.00	229.00	471.00	145.00	195.00	66.10	27.10	20.30
1961	17.60	25.00	18.80	19.40	65.60	307.00	432.00	248.00	85.20	48.70	127.00	110.00
1962	106.00	250.00	178.00	276.00	270.00	566.00	217.00	129.00	71.30	70.90	19.10	17.40
1963	49.70	34.20	24.20	14.50	19.50	442.00	112.00	88.50	32.80	54.60	14.40	10.00
1964	7.22	8.08	7.04	16.20	13.90	54.30	128.00	59.20	40.60	12.50	4.61	5.26
1965	5.77	7.75	26.30	252.00	226.00	293.00	438.00	146.00	79.90	35.90	35.50	87.00
1966	117.00	71.00	338.00	180.00	96.20	203.00	270.00	510.00	88.20	18.70	9.84	7.50
1967	9.14	96.70	428.00	101.00	301.00	425.00	482.00	379.00	124.00	28.40	14.30	9.64
1968	22.50	55.00	382.00	215.00	513.00	205.00	442.00	207.00	258.00	135.00	105.00	38.10
1969	31.50	67.00	175.00	342.00	236.00	166.00	502.00	260.00	86.40	81.20	24.60	18.40
1970	95.40	161.00	87.60	82.20	117.00	174.00	472.00	391.00	120.00	32.00	18.90	95.70
1971	118.00	143.00	98.30	40.20	332.00	236.00	116.00	58.40	98.30	84.20	34.60	82.80
1972	59.50	38.10	305.00	258.00	84.70	221.00	462.00	254.00	134.00	101.00	185.00	241.00
1973	295.00	383.00	342.00	508.00	270.00	419.00	695.00	199.00	273.00	82.40	134.00	33.90
1974	45.50	57.20	226.00	531.00	334.00	446.00	309.00	766.00	180.00	47.20	22.40	21.50
1975	20.50	64.30	94.60	308.00	318.00	205.00	176.00	152.00	486.00	76.20	34.50	43.20
1976	23.20	44.20	228.00	80.60	613.00	549.00	228.00	216.00	229.00	84.10	37.90	24.80
1977	43.10	34.50	26.70	16.20	111.00	365.00	204.00	162.00	55.10	31.00	39.10	143.00
1978	138.00	88.40	306.00	63.50	41.70	514.00	442.00	372.00	143.00	79.60	29.70	17.20
1979	18.00	21.30	40.90	45.80	74.40	797.00	507.00	275.00	105.00	37.40	62.00	21.80
1980	29.70	102.00	161.00	110.00	107.00	403.00	358.00	99.20	359.00	27.50	53.00	301.00
1981	85.40	63.30	187.00	92.70	242.00	130.00	490.00	574.00	678.00	223.00	88.60	129.00
1982	129.00	131.00	120.00	215.00	443.00	935.00	370.00	137.00	186.00	65.80	27.10	18.40
1983	19.00	136.00	377.00	148.00	214.00	233.00	564.00	503.00	106.00	56.60	22.50	16.70
1984	36.00	61.90	238.00	79.60	439.00	475.00	290.00	343.00	143.00	33.50	14.00	15.30
1985	23.50	87.70	162.00	276.00	432.00	574.00	373.00	78.80	49.00	19.80	34.00	17.50

## ILLINOIS RIVER BASIN

05522500 IROQUOIS RIVER AT RENSSELAER, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
18.50	29.60	48.90	54.60	92.00	202.00
FIFTIETH PERCENTILE					
36.60	63.30	161.00	148.00	236.00	293.00
SEVENTY FIFTH PERCENTILE					
90.40	117.00	242.00	267.00	393.00	444.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
216.00	125.00	85.80	32.80	20.69	15.00
FIFTIETH PERCENTILE					
358.00	199.00	124.00	56.60	29.70	20.69
SEVENTY FIFTH PERCENTILE					
472.00	349.00	219.00	83.20	56.80	64.40

## 05523000 BICE DITCH NEAR SOUTH MARION, IN

LOCATION.--Lat 40°52'00", long 87°05'32", in NE¼NW¼ sec.22, T.28 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on left bank at upstream side of bridge on State Highway 16, 2.3 mi upstream from mouth, 3 mi southeast of South Marion, and 5 mi southeast of Rensselaer.

DRAINAGE AREA.--21.8 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 651.30 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 5, 1955, nonrecording gage, and Aug. 5, 1955, to Sept. 30, 1965, water-stage recorder at present site at datum 2.00 ft higher.

AVERAGE DISCHARGE.--36 years (water years 1950 to 1985), 17.5 ft<sup>3</sup>/s, 10.90 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft<sup>3</sup>/s Mar. 4, 1979; maximum gage height, 14.02 ft June 13, 1958, at present datum; no flow at times during 1952, 1955, and 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1950				2					3		6	26	23	29	33	16	17	13	11	15	16	20	36	22	17	14	14	8	12	4	7	1			
1951												6	25	36	32	35	41	33	18	19	20	13	20	12	17	14	11	6	4			2		1	
1952	1	19	14		3	9	16		6	2	7	1	19	6	7	2	9	16	28	48	40	20	20	19	14	16	12	6	4	1		1			
1953		37	44		18	10	10		10	14	7	4	7	12	21	12	21	36	33	20	8	6	5	11	4	6	4	1	1		3				
1954		2	44		50	32	31		12	17	10	9	25	28	14	13	16	16	13	6	4	7	2	6	4					1	1				
1955	2	1	17		7	8	15		7	3	6	14	35	36	27	22	22	18	20	17	15	6	11	17	9	10	11	3	3	2	1				
1956		17	20		7	11	14		8	18	39	20	31	25	27	22	5	10	12	19	16	13	10	7	5	3	2		3	1			1		
1957		31	35		55	9	12		6	11	20	20	19	10	9	13	7	16	14	12	8	9	13	10	8	4	5	3	3	1	1	1			
1958		3			1		3		4	5	11	26	26	18	22	40	40	33	25	18	17	10	9	10	10	10	8	4	2	2	2	1	3	1	1
1959		31	25		18	13	14		7	3	9	6	11	20	17	19	19	18	32	14	11	17	15	17	9	7	4	2	4		2	1			
1960		5			6	15	27		18	11	14	9	6	17	20	21	26	32	29	24	14	18	9	14	7	6	5	5	4	3	1				
1961				35		40	41	12		15	14	12	7	17	18	22	13	18	22	13	10	9	10	8	7	7	7	4	3		1				
1962				6		25	14	3		12	3	6	7	14	10	18	16	22	32	32	36	28	17	21	10	12	6	8	3	3			1		
1963			6	57		44	23	37		39	19	17	12	11	11	15	7	7	8	8	12	9	6	6	2	3	1	1		2		2			
1964	25	58		50		48	12	23		20	16	21	8	5	14	8	5	7	5	5	10	10	7	4	2	2		1							
1965	17	57		8		9	10	17		11	7	12	16	22	17	23	19	14	12	13	11	14	12	17	11	9	2	2	2	1					
1966			10		19	25	19		8	3	27	12	20	20	28	24	26	21	13	21	14	11	11	9	10	10	10	2		1			1		
1967			9	25	13	18	35		35	6	15	8	11	25	20	12	17	13	13	15	12	15	11	16	7	4	7	1	2						
1968					1	11	10		5	13	49	35	29	30	21	16	17	13	16	14	19	17	12	4	9	8	3	2	5	2		2	2	1	
1969						2		15	19	27	19	17	27	26	31	30	32	23	19	12	13	11	12	7	8	5	3	5		1	1				
1970						2		10	7	19	12	26	27	28	33	24	26	34	31	20	20	9	7	8	7	4	3	3		1	2	2			
1971						11		26	15	23	11	29	29	16	23	18	30	24	36	21	12	12	10	10	3	3	2				1				
1972						14		27	32	13	35	28	36	18	18	9	18	24	22	21	10	12	5	5	7	3	4	3	2						
1973						7		3	24	13	8	9	10	18	20	13	25	26	21	33	40	30	20	15	8	11	5	3	1	2					
1974					1	21	7		17	8	22	23	17	14	16	12	18	40	17	12	20	14	18	14	21	11	10	1	3	5	2			1	
1975					10	16	3		3	1	16	15	12	22	23	25	18	24	23	27	30	24	27	14	10	4	9	1	1	4	2			1	
1976					7	12	12		10	4	22	11	5	61	54	21	14	22	11	16	18	17	12	10	5	6	4	3	3	5		1			
1977			12	25	20	20	32		35	6	22	7	13	25	24	18	15	16	11	10	9	12	10	6	2	5	3	2	2	1	2				
1978					1	25		5	8	17	11	28	43	15	15	20	27	23	16	18	17	16	12	13	10	8	9	5	1		1		1		
1979						6		11	49	83	13	14	14	16	28	10	13	13	11	11	9	13	12	17	7	6	4		1	3				1	
1980								12	16	39	23	20	35	23	18	22	15	17	31	20	11	9	15	12	11	8	3	3	1	1	1				
1981										4	29	70	35	38	26	19	26	20	19	15	11	14	7	11	5	5	3	4	1	1	1	1			
1982				9	4	9	4	5	13	15	8	8	7	25	19	47	40	26	17	12	11	14	9	11	14	9	8	4	5	7	2	2	1		
1983				7	20	19	21	16	13	6	4	2	5	7	12	11	17	30	36	22	26	15	14	19	11	12	11	4	3		1			1	
1984					16	19	19	13	16	10	19	17	19	36	20	15	17	18	14	15	9	13	10	9	3	16	5	7	3	3	1			1	
1985					4	3	5	29	32	42	13	20	57	25	15	14	14	7	14	11	6	5	7	5	12	9	4	4		3	2	2	1		

## ILLINOIS RIVER BASIN

05523000 BICE DITCH NEAR SOUTH MARION, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	45	131.49	100.00	12	1.9	701	9025	68.64	24	49.0	337	1200	9.13
1	0.10	267	13104	99.66	13	2.5	876	8324	63.31	25	63.0	274	863	6.56
2	0.13	0	12837	97.63	14	3.3	785	7448	56.64	26	83.0	219	589	4.48
3	0.17	404	12837	97.63	15	4.3	701	6663	50.67	27	110.0	116	370	2.81
4	0.22	90	12433	94.55	16	5.7	685	5962	45.34	28	140.0	108	254	1.93
5	0.29	453	12343	93.87	17	7.4	748	5277	40.13	29	190.0	53	146	1.11
6	0.38	378	11890	90.43	18	9.7	681	4529	34.44	30	240.0	42	93	0.71
7	0.50	437	11512	87.55	19	13.0	682	3848	29.26	31	320.0	29	51	0.39
8	0.66	462	11075	84.23	20	17.0	578	3166	24.08	32	420.0	11	22	0.17
9	0.86	391	10613	80.71	21	22.0	496	2588	19.68	33	550.0	9	11	0.08
10	1.1	711	10222	77.74	22	28.0	479	2092	15.91	34	710.0	2	2	0.02
11	1.5	486	9511	72.33	23	37.0	413	1613	12.27					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	0.21
P90 =	0.40
P75 =	1.3
P70 =	1.8
P50 =	4.5
P25 =	16.3
P10 =	45.7

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	0.20 14	0.23 16	0.26 16	0.26 15	0.60 19	0.81 18	0.89 17	1.19 17	2.70 16
1951	1.10 34	1.19 34	1.50 34	1.80 34	3.40 35	7.40 36	8.00 36	9.00 35	13.00 31
1952	1.70 35	1.70 35	1.80 35	1.90 35	2.50 34	3.10 31	4.60 32	9.50 36	19.00 35
1953	0.00 1	0.07 4	0.09 3	0.11 5	0.12 5	0.18 6	0.20 4	0.53 10	0.83 8
1954	0.10 5	0.10 5	0.10 4	0.11 6	0.12 6	0.17 5	0.21 5	0.23 4	0.35 2
1955	0.30 18	0.33 18	0.37 19	0.39 17	0.48 16	1.19 21	1.40 20	3.00 22	3.30 19
1956	0.00 2	0.03 3	0.20 10	0.23 12	0.29 13	0.47 14	1.00 18	1.40 18	1.90 13
1957	0.10 6	0.10 6	0.10 5	0.10 3	0.10 3	0.13 2	0.15 2	0.19 2	0.35 3
1958	0.20 15	0.20 13	0.30 17	0.70 23	1.10 24	1.30 22	2.20 23	5.50 28	16.00 33
1959	0.10 7	0.10 7	0.14 8	0.25 13	0.60 20	2.10 27	3.70 28	5.70 30	6.90 27
1960	0.10 8	0.10 8	0.10 6	0.10 4	0.11 4	0.16 3	0.25 6	0.52 9	1.70 12
1961	0.20 16	0.20 14	0.20 11	0.20 10	0.23 9	0.32 11	0.35 8	0.36 5	0.39 4
1962	0.70 30	0.70 28	0.84 30	0.92 26	1.10 25	2.30 28	4.60 33	6.20 32	8.80 29
1963	0.10 9	0.10 9	0.13 7	0.16 7	0.19 7	0.26 7	0.37 9	0.50 8	0.50 5
1964	0.00 3	0.00 1	0.00 1	0.02 2	0.09 2	0.17 4	0.20 3	0.20 3	0.58 7
1965	0.00 4	0.00 2	0.00 2	0.00 1	0.05 1	0.07 1	0.08 1	0.08 1	0.18 1
1966	0.30 19	0.37 20	0.40 20	0.56 21	0.73 21	1.10 19	2.20 24	3.60 25	5.30 22
1967	0.18 12	0.18 10	0.20 12	0.23 11	0.24 10	0.28 9	0.32 7	0.38 6	0.88 9
1968	0.35 21	0.38 21	0.44 21	0.45 19	0.49 17	0.55 15	0.63 13	0.69 11	1.50 11
1969	0.71 31	0.71 29	0.76 27	0.89 25	1.19 27	1.30 23	1.60 21	2.70 21	4.80 21
1970	0.62 25	0.69 27	0.83 29	1.10 29	1.19 28	1.40 24	3.30 27	5.50 29	6.70 26
1971	0.62 26	0.65 25	0.82 28	1.10 30	1.60 31	4.20 35	4.50 31	7.60 33	13.00 32
1972	0.59 24	0.62 24	0.66 24	0.83 24	0.87 22	1.10 20	1.40 19	1.60 19	3.10 18
1973	0.68 27	0.77 31	0.90 31	1.30 31	2.20 33	3.30 33	4.70 34	8.60 34	21.00 36
1974	0.68 28	0.68 26	0.73 25	1.30 32	1.40 30	2.30 29	2.20 22	3.50 24	6.30 23
1975	0.32 20	0.35 19	0.36 18	0.39 18	0.44 15	0.56 16	0.73 15	0.94 14	2.20 14
1976	0.97 33	1.10 33	1.19 33	1.40 33	2.00 32	3.20 32	5.00 35	5.20 26	9.90 30
1977	0.19 13	0.19 12	0.20 13	0.20 8	0.22 8	0.27 8	0.37 10	0.45 7	0.54 6
1978	0.49 23	0.52 23	0.55 23	0.69 22	1.19 29	2.40 30	4.00 29	6.00 31	17.00 34
1979	0.47 22	0.49 22	0.50 22	0.52 20	0.58 18	0.68 17	0.82 16	0.99 15	1.30 10
1980	0.90 32	0.90 32	0.92 32	0.97 27	1.10 26	1.40 25	2.60 26	3.10 23	6.30 24
1981	0.68 29	0.71 30	0.76 26	0.97 28	1.00 23	1.40 26	2.30 25	2.70 20	3.90 20
1982	1.90 36	2.00 36	2.00 36	2.10 36	3.50 36	3.90 34	4.40 30	5.30 27	8.10 28
1983	0.17 10	0.18 11	0.18 9	0.20 9	0.25 11	0.32 10	0.60 12	0.87 13	6.40 25
1984	0.18 11	0.21 15	0.22 14	0.25 14	0.29 12	0.36 12	0.47 11	0.74 12	2.40 15
1985	0.25 17	0.25 17	0.26 15	0.27 16	0.32 14	0.42 13	0.67 14	0.99 16	3.00 17

## 05523000 BICE DITCH NEAR SOUTH MARION, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	388.00 18	245.00 17	155.00 15	109.00 14	95.00 6	82.00 4	68.00 2	69.00 1	56.00 1
1951	574.00 8	371.00 6	218.00 8	111.00 13	63.00 20	57.00 13	48.00 13	41.00 13	39.00 7
1952	410.00 14	236.00 19	130.00 23	68.00 29	60.00 24	44.00 20	41.00 19	37.00 20	38.00 10
1953	311.00 27	235.00 20	114.00 30	66.00 30	57.00 25	36.00 30	30.00 26	30.00 26	24.00 26
1954	197.00 33	110.00 33	63.00 34	35.00 35	33.00 35	19.00 35	18.00 35	15.00 35	11.00 35
1955	297.00 28	208.00 27	154.00 16	88.00 16	72.00 17	50.00 19	41.00 20	38.00 18	31.00 16
1956	403.00 15	231.00 22	126.00 26	81.00 23	57.00 26	34.00 31	30.00 27	29.00 27	20.00 30
1957	380.00 21	260.00 16	129.00 24	79.00 25	61.00 22	40.00 25	42.00 17	38.00 19	26.00 24
1958	714.00 2	592.00 1	467.00 1	260.00 1	160.00 1	90.00 3	61.00 4	48.00 7	37.00 11
1959	392.00 17	227.00 23	147.00 20	81.00 24	60.00 23	53.00 17	51.00 10	42.00 11	31.00 17
1960	255.00 31	177.00 30	125.00 27	71.00 28	64.00 19	42.00 23	41.00 18	32.00 23	30.00 19
1961	204.00 32	133.00 32	82.00 31	62.00 31	53.00 27	37.00 27	28.00 28	25.00 28	19.00 31
1962	324.00 26	196.00 28	120.00 28	86.00 18	62.00 21	43.00 21	38.00 24	32.00 24	27.00 23
1963	398.00 16	303.00 13	150.00 18	78.00 26	48.00 29	32.00 32	23.00 34	18.00 34	14.00 34
1964	98.00 36	67.00 36	43.00 36	30.00 36	21.00 36	17.00 36	12.00 36	9.80 36	6.80 36
1965	152.00 35	96.00 35	62.00 35	44.00 34	42.00 34	31.00 33	25.00 32	22.00 29	18.00 32
1966	362.00 22	212.00 26	134.00 22	85.00 19	47.00 30	26.00 34	24.00 33	21.00 33	22.00 27
1967	157.00 34	106.00 34	78.00 33	55.00 32	47.00 31	41.00 24	37.00 25	30.00 25	22.00 28
1968	646.00 4	440.00 4	222.00 7	136.00 5	84.00 9	71.00 6	52.00 9	45.00 9	35.00 12
1969	341.00 24	266.00 15	147.00 19	85.00 20	65.00 18	43.00 22	39.00 23	36.00 21	29.00 20
1970	465.00 13	416.00 5	225.00 5	120.00 12	98.00 4	67.00 7	50.00 11	39.00 16	29.00 21
1971	384.00 19	168.00 31	80.00 32	55.00 33	43.00 33	37.00 28	27.00 29	22.00 30	21.00 29
1972	292.00 29	177.00 29	115.00 29	83.00 22	51.00 28	37.00 29	26.00 30	22.00 31	24.00 25
1973	350.00 23	242.00 18	154.00 17	88.00 17	73.00 16	62.00 11	53.00 8	50.00 6	48.00 2
1974	551.00 10	358.00 7	214.00 9	130.00 9	78.00 11	67.00 8	57.00 6	51.00 5	44.00 4
1975	633.00 6	321.00 10	169.00 14	131.00 8	78.00 12	51.00 18	40.00 21	38.00 17	39.00 8
1976	328.00 25	233.00 21	172.00 13	136.00 6	88.00 7	54.00 16	39.00 22	36.00 22	27.00 22
1977	257.00 30	226.00 24	126.00 25	74.00 27	44.00 32	39.00 26	26.00 31	21.00 32	18.00 33
1978	568.00 9	269.00 14	175.00 11	125.00 11	88.00 8	57.00 12	46.00 15	45.00 10	31.00 18
1979	912.00 1	496.00 2	262.00 3	147.00 4	96.00 5	75.00 5	61.00 5	47.00 8	35.00 13
1980	383.00 20	216.00 25	141.00 21	85.00 21	74.00 14	55.00 15	43.00 16	40.00 14	31.00 14
1981	473.00 11	345.00 8	231.00 4	132.00 7	82.00 10	56.00 14	47.00 14	40.00 15	31.00 15
1982	469.00 12	304.00 11	222.00 6	150.00 3	136.00 2	96.00 2	72.00 1	62.00 2	46.00 3
1983	617.00 7	303.00 12	175.00 12	96.00 15	74.00 15	65.00 9	48.00 12	41.00 12	38.00 9
1984	647.00 3	331.00 9	195.00 10	129.00 10	77.00 13	63.00 10	56.00 7	55.00 4	41.00 6
1985	637.00 5	471.00 3	263.00 2	172.00 2	108.00 3	99.00 1	67.00 3	61.00 3	43.00 5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	21.00 24
1951	29.00 34
1952	28.00 33
1953	15.00 15
1954	8.20 5
1955	12.00 11
1956	15.00 16
1957	6.60 4
1958	23.00 27
1959	27.00 32
1960	15.00 17
1961	11.00 9
1962	20.00 23
1963	9.40 7
1964	4.50 1
1965	6.10 3
1966	14.00 12
1967	11.00 8
1968	19.00 20
1969	14.00 13
1970	15.00 14

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	36.00 1
1951	25.00 5
1952	25.00 6
1953	12.00 27
1954	5.90 35
1955	18.00 17
1956	11.00 31
1957	13.00 25
1958	27.00 3
1959	17.00 21
1960	17.00 22
1961	10.00 32
1962	18.00 18
1963	7.30 34
1964	3.50 36
1965	9.90 33
1966	12.00 28
1967	12.00 29
1968	21.00 13
1969	17.00 23
1970	20.00 14

## ILLINOIS RIVER BASIN

05523000 BICE DITCH NEAR SOUTH MARION, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1971	24.00	28
1972	8.50	6
1973	33.00	36
1974	26.00	30
1975	18.00	18
1976	24.00	29
1977	6.00	2
1978	22.00	25
1979	19.00	21
1980	20.00	22
1981	12.00	10
1982	32.00	35
1983	18.00	19
1984	23.00	26
1985	27.00	31

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1971	13.00	26
1972	18.00	19
1973	31.00	2
1974	24.00	7
1975	22.00	9
1976	17.00	24
1977	11.00	30
1978	22.00	10
1979	18.00	20
1980	19.00	15
1981	18.00	16
1982	25.00	4
1983	21.00	11
1984	21.00	12
1985	23.00	8

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	*	*	*	*	*	*	11.30	11.20	2.45	1.01	0.80	0.92
1950	8.03	3.25	30.30	92.80	53.40	42.70	85.90	7.08	55.70	37.80	5.45	13.30
1951	7.11	11.40	12.40	28.60	53.10	37.10	45.80	23.90	14.10	56.80	6.67	2.55
1952	17.40	28.30	30.70	44.90	27.50	31.20	41.40	36.20	38.80	1.43	1.44	0.14
1953	0.24	0.31	2.07	6.33	11.20	42.00	25.70	21.30	9.99	28.60	0.47	0.13
1954	0.30	0.25	0.29	2.21	3.19	6.40	16.10	/	29.00	3.80	2.06	0.49
1955	7.32	2.92	10.40	25.50	10.60	32.90	26.80	36.10	47.30	11.90	0.66	0.31
1956	2.08	3.16	3.08	1.94	21.50	23.60	27.40	39.50	3.70	0.93	0.84	0.18
1957	0.10	0.20	0.30	1.76	2.52	1.89	59.50	20.50	30.90	39.00	2.68	1.61
1958	10.30	13.80	61.30	16.80	9.52	15.00	8.57	3.43	159.00	18.40	5.86	3.46
1959	3.03	17.40	4.79	14.40	50.60	45.10	53.30	12.50	2.28	0.56	0.23	0.11
1960	1.79	14.70	15.60	16.50	32.10	26.40	42.10	21.40	36.40	2.81	0.61	0.47
1961	0.25	0.46	0.35	0.36	3.34	24.90	34.40	24.10	13.80	11.10	2.44	5.04
1962	10.60	22.40	9.70	28.60	25.70	56.80	15.60	19.50	6.58	19.90	0.80	0.30
1963	0.92	0.81	0.44	0.25	1.51	45.00	14.20	8.02	1.54	12.80	0.62	0.26
1964	0.20	0.30	0.15	2.04	0.59	12.50	20.50	3.70	1.29	0.57	0.11	0.06
1965	0.08	0.10	0.17	13.40	12.10	21.40	40.60	7.37	11.90	7.15	0.81	4.14
1966	9.71	5.61	37.80	11.60	6.80	22.20	22.00	27.10	3.27	0.70	0.48	0.33
1967	0.24	0.83	11.90	3.46	24.30	36.20	32.10	26.20	4.87	0.98	0.78	0.54
1968	0.58	1.65	81.00	27.30	46.90	11.30	29.70	11.20	22.90	3.63	9.72	1.51
1969	1.19	3.82	10.20	41.30	12.40	20.50	56.30	17.90	13.00	22.30	2.03	1.36
1970	8.59	16.90	6.97	7.88	4.86	19.40	60.60	65.20	9.35	7.80	2.36	27.20
1971	20.50	19.80	9.35	2.17	43.70	27.70	10.30	6.90	6.33	6.77	1.13	2.75
1972	1.40	0.97	31.20	15.70	3.42	14.60	49.30	12.90	3.88	3.88	22.30	51.00
1973	41.30	53.00	49.20	36.10	20.20	54.60	67.30	12.70	20.10	7.70	13.10	1.39
1974	3.20	4.19	33.70	66.20	37.20	46.70	28.90	47.60	11.80	2.03	1.06	0.68
1975	0.50	2.58	9.01	35.80	54.70	24.70	19.20	24.40	76.50	3.65	6.84	8.12
1976	2.99	8.25	29.80	5.88	76.10	31.10	6.88	11.80	23.90	3.18	0.96	0.53
1977	0.80	0.70	0.37	0.25	3.63	18.50	7.29	13.20	5.63	1.35	33.40	43.50
1978	26.10	9.82	45.50	3.43	2.41	65.80	32.60	34.20	35.40	10.40	1.28	0.59
1979	0.85	1.28	1.67	2.15	9.09	94.30	54.70	23.10	7.43	17.40	5.52	1.44
1980	1.50	14.80	23.30	11.70	12.30	62.40	39.30	5.31	43.60	1.50	1.43	5.92
1981	2.04	2.19	10.50	3.22	22.70	7.30	33.20	74.20	30.90	19.30	4.25	4.09
1982	5.06	8.23	7.52	22.10	82.70	93.10	38.70	13.40	33.50	1.86	1.15	0.33
1983	0.32	20.50	49.10	9.99	22.20	28.50	59.40	52.40	7.39	3.59	0.59	0.30
1984	1.14	2.31	23.40	3.17	51.70	67.70	28.80	66.50	6.78	2.16	0.77	0.33
1985	0.95	9.09	21.80	29.20	67.80	88.10	46.70	3.48	2.83	1.16	2.61	0.80



05523000 BICE DITCH NEAR SOUTH MARION, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
0.52	0.87	2.32	2.45	5.34	19.69
FIFTIETH PERCENTILE					
1.64	3.53	10.50	11.70	20.80	29.80
SEVENTY FIFTH PERCENTILE					
7.85	14.50	30.60	28.30	46.10	46.30
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
19.80	9.61	5.25	1.46	0.78	0.32
FIFTIETH PERCENTILE					
32.60	19.50	11.90	3.80	1.28	0.80
SEVENTY FIFTH PERCENTILE					
48.00	30.60	32.20	15.10	4.85	3.77

## 05523500 SLOUGH CREEK NEAR COLLEGEVILLE, IN

LOCATION.--Lat 40°53'30", long 87°09'17", in SE¼NE¼ sec.12, T.28 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on right bank at downstream side of bridge on State Highway 53, 1.5 mi south of Collegeville, 2.2 mi downstream from Bice ditch, 2.9 mi upstream from Carpenter Creek, and 3.2 mi upstream from mouth.

DRAINAGE AREA.--83.7 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1948 to December 1951, October 1952 to September 1982 (discontinued). Prior to October 1965, published as Big Slough Creek near Collegeville.

GAGE.--Water-stage recorder. Datum of gage is 634.75 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 5, 1955, nonrecording gage, and Aug. 5, 1955, to Oct. 8, 1958, water-stage recorder at same site at datum 3.00 ft higher.

AVERAGE DISCHARGE.--33 years (water years 1949-51, 1953-82), 70.1 ft<sup>3</sup>/s, 11.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,390 ft<sup>3</sup>/s Dec. 22, 1967, gage height, 16.88 ft; maximum gage height, 17.19 ft Mar. 4, 1979; minimum daily discharge, 0.7 ft<sup>3</sup>/s Dec. 20-26, 1963.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1949					2	12	15	18	34	20	20	29	12	17	19	13	23	17	27	14	16	7	5	11	11	9	6	3	1	2	2					
1950					2			2	1		9	18	25	25	33	24	14	13	16	11	9	19	25	35	15	22	17	5	9	9	7					
1951										6	13	8	15	35	29	28	33	30	29	18	21	16	16	17	11	14	10	7	2	2	3	1	1			
1953				4	13	37	26	9	21	15	16	14	18	11	18	22	28	24	20	19	12	5	6	4	9	5	4	4	1							
1954			2	38	11	34	15	28	14	18	22	12	16	20	23	19	18	15	13	15	9	7	6	3	4	2	1									
1955					4	13	15	13	7	7	9	18	26	56	23	23	17	22	16	14	15	17	14	11	7	6	8	2	2							
1956				4	3	12	10	21	10	22	28	35	23	41	24	14	20	19	22	15	11	6	7	6	1	5	3	1	1	2						
1957			3	12	18	32	21	30	8	13	10	32	30	28	15	18	7	9	11	8	10	5	7	8	10	2	8	3	4	2				1		
1958					12	3				9	23	31	29	14	35	14	37	35	22	16	16	11	11	6	6	11	4	5	3	3	3	2	1	3		
1959									10	79	20	24	18	24	28	9	12	23	24	13	12	12	10	14	10	11	5	2		2	2				1	
1960										29	24	23	14	8	10	11	33	35	29	44	32	14	21	9	13	5	4	2	6							
1961									33	80	12	22	30	21	19	13	26	20	16	15	11	11	6	5	5	8	6	2	3	1						
1962									13	22	14	7	14	10	19	26	27	20	26	37	29	19	22	19	10	9	10	1	3	5			1	2		
1963					16	29	32	26	44	50	33	23	17	15	14	9	10	8	8	9	4	3	3	1	2	2	2	2	1	1	1					
1964			9	9	13	18	18	64	43	14	10	28	42	23	18	13	9	7	6	6	7	3	2	1	1	1	1									
1965					1	37	26	9	8	23	28	26	19	17	38	17	10	12	14	9	11	9	14	13	8	4	6	3	1	2						
1966					10	9	12	29	15	7	15	38	41	34	25	25	17	20	10	8	5	6	7	6	3	3	7	5	3	1	2	1	1			
1967					15	20	35	15	21	16	11	11	11	9	31	38	20	15	24	17	10	14	7	9	3	5	5	3								
1968					10	13	20	42	33	20	18	21	26	11	10	18	22	15	16	18	9	6	4	10	3	5	1	5	4	3	2	1				
1969									1	41	30	17	11	20	34	31	24	30	20	17	9	13	16	6	11	9	10	5	4	1	4			1		
1970									8	22	11	24	20	25	36	41	35	33	30	7	12	10	13	7	8	9	3	4	2	1			1	2	1	
1971								3	11	23	18	26	16	44	20	21	37	30	37	15	16	7	10	5	9	9	3	4	1							
1972								6	8	23	50	29	39	23	27	19	22	16	24	24	14	12	6	3	8	4	5	2	2							
1973									17	15	14	9	18	15	12	18	32	34	30	31	26	26	22	14	9	8	9	3	1	1	1	1				
1974									25	19	39	25	7	10	15	16	21	13	18	17	21	17	16	13	17	9	10	2	6	5	4	1	1			
1975								22	4	6	8	17	17	11	41	26	33	22	19	33	23	22	16	12	9	7	6	2	2	3		1	2	1		
1976								8	20	12	8	18	36	36	34	20	32	19	18	20	16	14	11	10	7	8	8	1	5	3			1	1		
1977			12	23	21	11	14	34	39	22	19	26	13	25	13	13	12	13	7	13	6	6	5	1	4	6	2	3	2							
1978					1	8	16	12	6	15	12	44	32	16	22	34	20	16	16	18	15	13	13	11	15	7	2	1								
1979					9	9	76	19	38	30	14	22	8	12	25	9	11	11	12	12	16	12	11	2	3	2							2			
1980								2	19	17	37	29	34	25	18	26	17	17	32	20	9	6	11	15	12	10	5	5								
1981										45	45	38	40	31	23	17	23	18	19	8	16	12	9	10	2	4	3	2								
1982								14	17	12	8	12	14	21	24	52	34	25	19	14	14	13	6	16	7	9	5	10	7	7	5					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	12052	100.00	12	10.0	765	8678	72.00	24	180.0	285	1189	9.87
1	0.70	9	12052	100.00	13	13.0	700	7913	65.66	25	230.0	272	904	7.50
2	0.89	11	12043	99.93	14	16.0	915	7213	59.85	26	290.0	213	632	5.24
3	1.1	57	12032	99.83	15	21.0	678	6298	52.26	27	370.0	134	419	3.48
4	1.4	81	11975	99.36	16	26.0	737	5620	46.63	28	470.0	111	285	2.36
5	1.8	212	11894	98.69	17	33.0	709	4883	40.52	29	600.0	76	174	1.44
6	2.3	226	11682	96.93	18	42.0	643	4174	34.63	30	770.0	48	98	0.81
7	3.0	322	11456	95.05	19	54.0	634	3531	29.30	31	980.0	16	50	0.41
8	3.8	458	11134	92.38	20	69.0	514	2897	24.04	32	1200.0	19	34	0.28
9	4.8	709	10676	88.58	21	88.0	433	2383	19.77	33	1600.0	12	15	0.12
10	6.2	587	9967	82.70	22	110.0	386	1950	16.18	34	2000.0	3	3	0.02
11	7.8	702	9380	77.83	23	140.0	375	1564	12.98					

## 05523500 SLOUGH CREEK NEAR COLLEGEVILLE, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 3.0  
 P90 = 4.4  
 P75 = 8.9  
 P70 = 10.9  
 P50 = 23.0  
 P25 = 66.3  
 P10 = 178.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	1.50 5	1.60 5	1.70 5	1.90 5	2.90 8	3.70 8	4.60 8	7.80 13	13.00 12
1951	7.00 28	7.50 28	8.50 29	9.40 28	13.00 30	23.00 31	31.00 31	33.00 30	47.00 27
1954	1.00 2	1.10 2	1.10 2	1.10 2	1.19 1	1.30 1	1.60 1	1.70 1	3.90 3
1955	2.10 9	2.10 8	2.10 8	2.40 8	3.00 9	6.00 16	7.00 14	15.00 20	17.00 15
1956	2.00 7	2.10 9	2.20 10	2.50 10	2.80 7	4.10 9	8.00 16	11.00 14	13.00 13
1957	1.19 3	1.30 4	1.40 4	1.50 4	1.60 4	2.10 3	2.60 4	2.90 3	4.80 4
1958	2.10 10	2.10 10	2.10 9	2.10 6	3.30 10	6.20 17	13.00 21	34.00 31	66.00 30
1959	5.00 22	5.00 22	5.20 20	5.40 20	5.70 20	7.00 19	8.90 17	13.00 18	21.00 18
1960	4.40 18	4.50 18	4.60 18	4.80 18	5.10 17	5.20 13	5.80 13	7.10 12	13.00 14
1961	4.10 16	4.20 17	4.40 17	4.50 16	4.60 15	5.20 14	5.30 12	5.50 8	5.90 7
1962	8.20 30	8.30 30	8.80 30	9.50 29	11.00 27	19.00 30	25.00 29	30.00 28	36.00 25
1963	2.00 8	2.00 7	2.00 6	2.40 9	2.50 6	3.00 6	3.50 6	4.60 6	5.30 6
1964	0.70 1	0.70 1	0.70 1	0.81 1	1.19 2	2.30 4	2.70 5	2.90 4	4.80 5
1965	1.70 6	1.80 6	2.00 7	2.20 7	2.20 5	2.30 5	2.40 3	2.60 2	3.70 1
1966	4.80 21	4.90 21	5.40 21	6.30 22	6.90 21	8.00 20	14.00 22	18.00 22	22.00 19
1967	2.50 11	2.60 11	2.70 11	2.90 11	3.30 11	3.70 7	3.90 7	4.60 7	9.10 9
1968	3.10 14	3.20 15	3.40 15	3.60 14	3.70 12	4.10 10	4.80 9	5.60 9	12.00 11
1969	4.50 19	4.70 19	4.80 19	4.90 19	5.30 18	6.00 15	7.10 15	12.00 16	25.00 20
1970	5.20 23	5.60 26	5.90 26	6.50 24	7.00 22	8.30 21	20.00 27	29.00 27	32.00 24
1971	5.40 25	5.50 24	5.80 24	6.40 23	8.70 25	12.00 25	15.00 24	26.00 26	49.00 28
1972	4.70 20	4.90 20	5.40 22	6.00 21	9.00 26	12.00 26	17.00 25	17.00 21	30.00 22
1973	5.20 24	5.30 23	5.70 23	7.60 27	13.00 31	18.00 29	25.00 30	33.00 29	69.00 31
1974	6.40 27	6.80 27	6.90 27	7.10 26	7.50 23	8.90 22	9.50 18	14.00 19	27.00 21
1975	3.00 13	3.10 13	3.10 12	3.40 12	3.70 13	4.20 11	4.90 10	5.80 10	10.00 10
1976	10.00 31	10.00 31	11.00 31	11.00 31	12.00 28	13.00 27	20.00 28	24.00 24	42.00 26
1977	1.19 4	1.19 3	1.19 3	1.30 3	1.40 3	1.70 2	2.30 2	3.00 5	3.70 2
1978	4.20 17	4.20 16	4.40 16	4.80 17	5.40 19	9.30 23	14.00 23	26.00 25	58.00 29
1979	2.90 12	3.00 12	3.20 13	3.60 13	4.10 14	4.70 12	5.30 11	6.50 11	8.90 8
1980	3.20 15	3.20 14	3.40 14	3.70 15	4.80 16	6.60 18	9.60 19	11.00 15	20.00 17
1981	5.50 26	5.60 25	5.90 25	6.60 25	7.70 24	9.50 24	12.00 20	13.00 17	19.00 16
1982	7.80 29	7.90 29	8.40 28	9.60 30	13.00 29	16.00 28	18.00 26	23.00 23	31.00 23

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	800.00 20	601.00 22	400.00 25	359.00 16	272.00 16	227.00 11	173.00 14	141.00 18	105.00 22
1950	970.00 16	900.00 14	646.00 10	479.00 10	391.00 7	328.00 4	283.00 2	282.00 1	220.00 1
1951	1420.00 10	1170.00 8	862.00 6	480.00 9	260.00 19	218.00 12	179.00 12	151.00 13	146.00 8
1953	480.00 31	392.00 31	283.00 31	236.00 28	198.00 29	135.00 29	102.00 29	91.00 29	75.00 29
1954	320.00 33	249.00 33	201.00 32	137.00 32	107.00 32	65.00 32	64.00 32	56.00 32	45.00 32
1955	698.00 27	533.00 27	456.00 20	302.00 21	249.00 20	172.00 21	142.00 21	136.00 20	113.00 17
1956	970.00 17	789.00 18	502.00 19	301.00 22	224.00 24	144.00 27	120.00 27	116.00 24	82.00 27
1957	1330.00 12	939.00 12	629.00 12	400.00 13	292.00 12	177.00 20	176.00 13	170.00 8	118.00 14
1958	1790.00 5	1510.00 4	1380.00 1	838.00 2	509.00 1	281.00 6	191.00 8	154.00 10	125.00 12
1959	1800.00 4	970.00 10	639.00 11	343.00 19	268.00 17	212.00 14	189.00 9	153.00 12	113.00 18
1960	580.00 30	533.00 28	379.00 26	221.00 30	218.00 25	155.00 26	146.00 20	121.00 22	106.00 21
1961	718.00 25	536.00 25	410.00 24	298.00 23	241.00 21	162.00 24	126.00 24	107.00 26	81.00 28
1962	1400.00 11	1200.00 6	717.00 7	477.00 11	335.00 9	241.00 9	213.00 7	181.00 6	150.00 7
1963	1100.00 15	833.00 16	593.00 15	349.00 18	210.00 27	130.00 30	94.00 30	73.00 30	57.00 31
1964	439.00 32	341.00 32	197.00 33	134.00 33	86.00 33	61.00 33	45.00 33	37.00 33	28.00 33
1965	750.00 23	597.00 23	334.00 30	225.00 29	194.00 30	136.00 28	124.00 25	113.00 25	84.00 26

## 05523500 SLOUGH CREEK NEAR COLLEGEVILLE, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30--Continued

1966	2020.00	3	1760.00	2	1370.00	2	857.00	1	453.00	3	242.00	8	187.00	10	154.00	11	161.00	6
1967	762.00	21	603.00	21	367.00	28	218.00	31	205.00	28	178.00	19	166.00	16	140.00	19	119.00	13
1968	2240.00	1	1610.00	3	1220.00	3	726.00	3	393.00	6	356.00	1	259.00	4	236.00	3	183.00	3
1969	1500.00	9	947.00	11	561.00	16	387.00	14	286.00	14	202.00	16	166.00	17	166.00	9	130.00	10
1970	2020.00	2	1790.00	1	1010.00	4	553.00	5	436.00	4	299.00	5	222.00	5	178.00	7	129.00	11
1971	700.00	26	448.00	30	371.00	27	247.00	27	211.00	26	166.00	22	120.00	28	106.00	27	88.00	25
1972	968.00	18	662.00	19	455.00	21	271.00	25	229.00	22	157.00	25	121.00	26	98.00	28	99.00	24
1973	1300.00	13	843.00	15	520.00	18	358.00	17	334.00	10	273.00	7	217.00	6	192.00	5	171.00	4
1974	1720.00	6	1290.00	5	914.00	5	711.00	4	406.00	5	343.00	3	287.00	1	254.00	2	220.00	2
1975	1720.00	7	1190.00	7	623.00	13	514.00	8	297.00	11	181.00	18	141.00	22	128.00	21	136.00	9
1976	1600.00	8	933.00	13	666.00	9	534.00	6	365.00	8	228.00	10	167.00	15	149.00	15	115.00	15
1977	725.00	24	536.00	26	433.00	23	258.00	26	148.00	31	116.00	31	79.00	31	63.00	31	62.00	30
1978	690.00	28	543.00	24	450.00	22	364.00	15	291.00	13	199.00	17	160.00	18	145.00	17	109.00	19
1979	1240.00	14	995.00	9	623.00	14	413.00	12	264.00	18	213.00	13	187.00	11	150.00	14	107.00	20
1980	593.00	29	506.00	29	354.00	29	292.00	24	273.00	15	209.00	15	155.00	19	146.00	16	114.00	16
1981	750.00	22	623.00	20	526.00	17	337.00	20	226.00	23	165.00	23	138.00	23	120.00	23	100.00	23
1982	868.00	19	824.00	17	682.00	8	521.00	7	474.00	2	346.00	2	263.00	3	222.00	4	166.00	5

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	87.00	21
1951	104.00	27
1954	27.00	3
1955	48.00	9
1956	55.00	12
1957	32.00	4
1958	99.00	24
1959	93.00	22
1960	53.00	11
1961	46.00	7
1962	104.00	28
1963	37.00	6
1964	17.00	1
1965	33.00	5
1966	79.00	20
1967	70.00	16
1968	100.00	25
1969	74.00	18
1970	69.00	15
1971	102.00	26
1972	49.00	10
1973	113.00	30
1974	126.00	31
1975	76.00	19
1976	95.00	23
1977	27.00	2
1978	71.00	17
1979	63.00	13
1980	68.00	14
1981	48.00	8
1982	106.00	29

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	56.00	25
1950	135.00	1
1951	93.00	5
1953	40.00	29
1954	24.00	32
1955	66.00	19
1956	47.00	27
1957	63.00	21
1958	92.00	6
1959	62.00	22
1960	67.00	17
1961	46.00	28
1962	87.00	10
1963	31.00	31
1964	16.00	33
1965	48.00	26
1966	88.00	8
1967	66.00	18
1968	109.00	4
1969	78.00	12
1970	87.00	9
1971	64.00	20
1972	71.00	14
1973	117.00	2
1974	117.00	3
1975	80.00	11
1976	70.00	15
1977	38.00	30
1978	76.00	13
1979	58.00	24
1980	69.00	16
1981	60.00	23
1982	92.00	7

05523500 SLOUGH CREEK NEAR COLLEGEVILLE, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	4.05	8.93	41.10	263.00	181.00	60.50	45.20	41.20	21.80	7.05	4.31	3.86
1950	29.60	13.90	116.00	381.00	216.00	165.00	356.00	42.00	143.00	104.00	16.90	49.40
1951	30.80	33.90	50.30	101.00	186.00	147.00	172.00	84.60	35.70	246.00	22.80	10.00
1953	2.28	3.31	8.77	21.10	47.40	152.00	96.10	54.00	30.70	56.90	10.30	1.79
1954	1.25	1.71	2.87	14.70	21.10	36.60	58.00	40.50	84.60	20.00	9.37	3.17
1955	35.90	15.50	41.30	92.40	39.40	131.00	98.20	124.00	169.00	35.80	6.09	2.92
1956	14.70	22.90	16.80	12.50	88.80	77.00	88.60	191.00	32.50	11.00	7.73	4.50
1957	1.74	2.97	4.28	9.57	19.90	13.20	271.00	81.20	107.00	213.00	22.40	5.89
1958	47.90	63.60	205.00	66.90	35.40	62.80	31.30	12.70	505.00	52.60	13.50	8.18
1959	6.79	53.30	18.90	33.00	232.00	167.00	159.00	57.90	18.40	8.18	5.09	5.41
1960	10.50	62.90	56.70	57.20	109.00	87.80	164.00	94.70	123.00	30.10	8.65	6.24
1961	4.86	5.69	5.40	5.85	11.20	97.00	162.00	113.00	49.30	40.10	20.10	33.90
1962	27.70	96.40	75.80	167.00	153.00	309.00	74.10	71.80	21.80	40.60	7.66	5.17
1963	7.84	7.97	4.92	3.39	2.62	196.00	49.10	29.60	10.80	46.60	6.38	4.04
1964	3.27	3.85	2.17	10.10	9.55	27.20	83.50	22.20	12.80	7.08	3.54	2.53
1965	2.31	2.44	4.36	103.00	73.60	82.50	191.00	20.00	37.70	30.60	7.19	20.50
1966	30.90	22.70	338.00	127.00	27.00	89.20	167.00	205.00	22.10	8.08	5.43	4.02
1967	3.44	13.70	119.00	36.80	125.00	138.00	151.00	147.00	40.10	12.30	6.30	3.96
1968	4.36	7.80	348.00	152.00	271.00	60.40	184.00	84.10	125.00	26.00	45.50	6.91
1969	5.69	14.00	63.50	192.00	77.30	66.70	265.00	99.80	55.70	78.20	12.90	7.20
1970	40.30	78.10	33.60	42.90	37.10	80.90	262.00	301.00	46.50	17.70	10.00	92.30
1971	63.00	78.10	40.00	11.80	166.00	148.00	51.60	33.00	96.20	44.70	9.47	33.10
1972	15.50	10.10	145.00	69.10	16.30	61.80	227.00	70.30	25.10	15.10	64.60	135.00
1973	106.00	154.00	128.00	107.00	97.50	231.00	308.00	74.90	97.80	32.90	59.10	7.60
1974	10.20	15.30	123.00	362.00	213.00	215.00	129.00	258.00	58.10	13.30	6.22	4.73
1975	3.92	8.67	31.90	117.00	196.00	89.80	61.00	66.80	295.00	28.90	36.70	32.40
1976	11.70	31.50	109.00	32.60	308.00	146.00	42.20	50.20	92.30	19.10	7.09	4.32
1977	5.46	4.32	2.48	1.54	18.90	76.30	29.20	67.90	15.80	5.93	82.40	148.00
1978	80.50	35.40	150.00	18.50	14.00	194.00	152.00	117.00	83.90	41.90	8.90	4.05
1979	5.71	8.03	12.70	17.40	46.60	257.00	166.00	95.70	35.90	31.40	16.50	5.54
1980	7.92	53.40	86.60	48.50	54.40	213.00	173.00	27.20	129.00	10.30	9.29	21.00
1981	12.60	12.10	46.90	17.40	91.50	39.10	107.00	208.00	90.80	65.00	20.00	15.60
1982	21.90	35.50	30.40	71.50	273.00	344.00	170.00	52.00	99.70	13.20	6.98	3.91

OCT

NOV

DEC

JAN

FEB

MARCH

## TWENTY FIFTH PERCENTILE

4.20

7.88

10.70

16.00

24.00

64.70

## FIFTIETH PERCENTILE

10.20

14.00

41.30

48.50

77.30

97.00

## SEVENTY FIFTH PERCENTILE

30.20

44.40

118.00

112.00

184.00

181.00

APRIL

MAY

JUNE

JULY

AUG

SEPT

## TWENTY FIFTH PERCENTILE

67.50

41.60

27.90

12.80

6.68

4.03

## FIFTIETH PERCENTILE

152.00

71.80

55.70

30.10

9.37

5.89

## SEVENTY FIFTH PERCENTILE

179.00

115.00

103.00

45.60

20.00

20.69

## 05524000 CARPENTER CREEK AT EGYPT, IN

LOCATION.--Lat 40°51'58", long 87°12'20", in SE¼SW¼ sec.15, T.28 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on left bank at downstream side of bridge on State Highway 16, 0.5 mi north of Egypt, 4 mi southwest of Collegeville, and at mile 4.0

DRAINAGE AREA.--44.8 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1948 to December 1951, October 1952 to September 1982 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 641.79 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 6, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years (water years 1949-51, 1953-82), 38.3 ft<sup>3</sup>/s, 11.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,720 ft<sup>3</sup>/s June 10, 1958, gage height, 11.66 ft; no flow at times during 1953, 1955, 1956, 1959, 1963-66, and 1970.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1949						1		30	4	2	18	26	9	4	11	20	14	23	29	19	28	26	19	20	15	17	11	9	5	2	1	2				
1950								2				5	7	15	7	28	29	26	32	15	16	12	19	26	30	28	23	12	9	16	2	5	1			
1951													2	5	12	25	17	24	37	30	44	27	35	24	21	17	21	12	5	2	3		1	1		
1953	3				4		10	17	11	33	9	23	19	14	13	8	12	15	17	44	32	19	17	8	10	9	4	10	2	2						
1954					4		13	7	58	20	23	36	3	11	28	37	13	11	11	27	22	10	10	8	5	3	2	2			1					
1955	3				3		11	19	9	8	3	5	10	8	32	35	28	12	17	18	32	23	21	26	17	13	4			6	2					
1956	33					9	4	15	4	7	3	5	9	19	44	20	24	30	23	25	30	17	19	10	6	6	2			1		1				
1957					12	24	31	10	16	17	22	19	21	25	20	10	10	15	22	11	16	16	11	13	9	6	6	1	2							
1958						2	6	1	3	5	8	11	8	11	16	25	28	39	62	28	26	23	12	13	9	12	4	7			3	1	1	1		
1959	16				15	21	11	4	18	10	13	20	7	11	5	18	18	17	27	27	25	21	21	11	8	9	3	2	2	3	1	1				
1960							3	6	25	9	16	7	11	11	10	11	16	28	43	44	32	39	11	15	10	8	3	4	4							
1961						16	10	11	33	36	26	21	16	12	11	7	14	14	24	26	16	22	14	11	11	9	3	2								
1962					15	16	7	10	2	3	6	15	15	13	13	17	28	35	32	35	33	20	15	12	10	6	4	2	1							
1963	17				20	21	19	19	30	28	46	25	13	15	12	11	13	14	12	18	12	8	3	2	1	2	1			3						
1964	111				9	19	14	19	22	11	14	11	13	13	9	9	11	16	13	11	14	13	8	2	2	1	1									
1965	22				7	29	11	14	13	14	27	14	10	11	8	8	16	24	23	18	22	23	18	16	7	4	5	1								
1966	23					10	7	8	6	11	5	10	10	10	5	30	31	43	28	23	17	21	24	14	9	9	8	1	1					1		
1967					3	5	24	14	28	15	25	14	7	6	13	11	19	27	11	16	20	23	26	23	11	8	8	4	3	1						
1968						3	3	8	3	4	10	31	25	17	23	18	33	24	21	35	25	34	9	8	7	6	5	5	5	1	3					
1969					1	5	4	7	10	11	30	16	8	6	7	9	11	17	45	36	32	22	23	12	17	9	14	9	1	1	1	1				
1970	2	2			2		1		5	8	5	11	9	9	12	33	35	24	32	23	45	34	25	12	7	9	5	7	3	1	2	2				
1971										1	13	14	13	13	26	19	24	25	23	43	43	38	21	13	11	17	3	4	1							
1972										3	17	21	11	24	21	23	27	41	23	31	40	27	17	11	6	7	6	7	1	2						
1973											8	23	9	14	8	16	3	17	21	41	48	57	40	22	19	8	6	3	2							
1974						5	19	9	22	27	19	13	9	9	8	14	19	18	23	25	34	20	16	24	14	6	8	3	1							
1975						2	17	6	3	1	3	4	11	21	22	22	15	22	30	36	41	41	24	18	9	7	4	3	2	1						
1976						7	6	11	8	8	8	8	40	27	16	11	19	8	13	43	36	34	19	16	7	8	10	8			3					
1977					4	40	12	20	18	37	17	7	11	16	16	17	22	26	15	19	14	18	10	5	6	7	2	4	1	1						
1978										2	9	16	4	5	14	29	51	25	43	36	25	25	19	15	17	7	10	8	3	1	1					
1979											18	22	44	18	41	8	22	45	18	17	19	17	20	17	18	9	5	3	1	2					1	
1980											19	21	15	19	13	42	27	14	22	28	28	38	13	14	12	17	8	10	4			2				
1981										4	24	28	23	14	26	37	40	28	25	27	18	23	13	8	7	8	3	5	3	1						
1982									1	3	16	7	12	14	12	9	21	34	42	56	26	20	22	11	16	12	6	9	10	5	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	230	12052	100.00	12	0.90	488	10116	83.94	24	57.0	540	1971	16.35
1	0.02	2	11822	98.09	13	1.3	469	9628	79.89	25	80.0	426	1431	11.87
2	0.03	0	11820	98.07	14	1.8	465	9159	76.00	26	110.0	360	1005	8.34
3	0.04	0	11820	98.07	15	2.5	551	8694	72.14	27	160.0	252	645	5.35
4	0.06	2	11820	98.07	16	3.6	614	8143	67.57	28	230.0	164	393	3.26
5	0.08	98	11818	98.06	17	5.1	619	7529	62.47	29	320.0	122	229	1.90
6	0.11	14	11720	97.25	18	7.1	741	6910	57.33	30	450.0	57	107	0.89
7	0.16	305	11706	97.13	19	10.0	776	6169	51.19	31	640.0	31	50	0.41
8	0.23	255	11401	94.60	20	14.0	941	5393	44.75	32	900.0	14	19	0.16
9	0.32	289	11146	92.48	21	20.0	888	4452	36.94	33	1300.0	3	5	0.04
10	0.45	346	10857	90.08	22	28.0	818	3564	29.57	34	1800.0	2	2	0.02
11	0.63	395	10511	87.21	23	40.0	775	2746	22.78					

## 05524000 CARPENTER CREEK AT EGYPT, IN--Continued

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 0.22  
 P90 = 0.46  
 P75 = 2.0  
 P70 = 3.0  
 P50 = 10.7  
 P25 = 36.1  
 P10 = 95.9

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	0.10 9	0.17 12	0.19 12	0.19 11	0.52 14	1.00 14	3.20 20	3.90 18	5.20 14
1951	0.80 26	0.87 26	1.19 28	1.40 27	2.40 28	5.90 30	7.20 27	8.00 23	19.00 26
1954	0.00 1	0.00 1	0.06 7	0.19 12	0.27 9	0.32 7	0.38 6	0.48 6	0.89 4
1955	0.20 13	0.20 13	0.20 13	0.23 14	0.32 11	3.20 26	3.90 21	5.90 20	7.70 17
1956	0.00 2	0.00 2	0.07 8	0.15 8	0.27 10	0.60 10	1.70 12	2.80 14	4.30 11
1957	0.00 3	0.00 3	0.00 1	0.00 1	0.02 3	0.11 3	0.24 3	0.32 3	0.41 1
1958	0.20 14	0.23 17	0.27 17	0.38 17	0.83 16	1.19 17	3.90 22	12.00 30	30.00 29
1959	0.50 21	0.53 20	0.57 20	0.65 19	0.95 19	1.70 21	2.00 15	6.80 22	11.00 20
1960	0.00 4	0.00 4	0.00 2	0.00 2	0.05 4	0.20 4	0.42 7	1.10 9	4.70 13
1961	0.20 15	0.20 14	0.20 14	0.20 13	0.54 15	0.75 12	0.83 10	1.30 10	1.19 5
1962	0.30 18	0.30 18	0.36 18	0.47 18	0.99 20	2.70 24	4.50 24	5.80 19	11.00 21
1963	0.10 10	0.10 9	0.10 9	0.10 6	0.20 7	0.34 8	0.48 8	0.64 7	0.68 3
1964	0.00 5	0.00 5	0.00 3	0.00 3	0.00 1	0.10 2	0.20 2	0.17 2	1.70 6
1965	0.00 6	0.00 6	0.00 4	0.00 4	0.00 2	0.00 1	0.02 1	0.09 1	1.70 7
1966	0.20 16	0.20 15	0.20 15	0.36 16	0.88 18	1.10 15	2.20 17	2.90 15	5.50 15
1967	0.00 7	0.00 7	0.00 5	0.00 5	0.07 5	0.21 5	0.29 4	0.38 4	3.10 8
1968	0.10 11	0.13 10	0.14 10	0.17 10	0.25 8	0.41 9	0.56 9	0.85 8	4.30 12
1969	0.61 24	0.64 22	0.72 22	0.77 21	0.86 17	1.10 16	2.10 16	6.00 21	15.00 24
1970	0.00 8	0.02 8	0.03 6	0.13 7	0.36 12	0.64 11	4.00 23	8.10 24	13.00 22
1971	0.36 19	0.39 19	0.46 19	0.71 20	1.30 25	4.80 28	5.30 25	11.00 28	28.00 28
1972	0.56 22	0.68 23	0.76 24	1.10 25	1.19 23	1.70 22	2.50 18	3.10 16	9.40 19
1973	2.70 31	3.10 31	3.50 31	4.30 31	8.40 31	17.00 31	19.00 31	22.00 31	55.00 31
1974	0.59 23	0.69 25	0.77 25	0.93 23	1.30 24	1.40 19	1.70 13	3.70 17	8.30 18
1975	0.20 17	0.23 16	0.27 16	0.30 15	0.36 13	0.77 13	0.86 11	1.60 11	6.00 16
1976	1.19 29	1.19 29	1.30 29	1.50 28	1.80 26	2.00 23	7.30 28	9.00 26	17.00 25
1977	0.12 12	0.15 11	0.16 11	0.16 9	0.17 6	0.21 6	0.33 5	0.42 5	0.56 2
1978	0.50 20	0.55 21	0.72 23	1.30 26	1.80 27	3.10 25	7.30 29	12.00 29	40.00 30
1979	0.86 27	0.89 27	0.91 26	0.98 24	1.10 21	1.50 20	1.80 14	2.70 13	4.00 9
1980	0.94 28	1.00 28	1.10 27	2.00 29	3.10 29	4.40 27	6.50 26	8.30 25	21.00 27
1981	0.65 25	0.68 24	0.71 21	0.89 22	1.10 22	1.30 18	2.80 19	2.50 12	4.20 10
1982	1.60 30	1.60 30	1.90 30	2.00 30	4.80 30	5.60 29	7.90 30	9.70 27	15.00 23

## 05524000 CARPENTER CREEK AT EGYPT, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1949	641.00 21	367.00 27	240.00 25	216.00 17	170.00 10	147.00 9	111.00 11	91.00 11	67.00 15
1950	915.00 11	544.00 14	356.00 16	263.00 9	227.00 4	195.00 2	156.00 1	156.00 1	127.00 1
1951	1610.00 4	813.00 6	432.00 8	234.00 14	155.00 17	124.00 13	107.00 14	91.00 12	82.00 7
1953	585.00 23	386.00 26	259.00 23	202.00 21	166.00 11	101.00 19	81.00 21	78.00 17	60.00 21
1954	483.00 29	296.00 31	164.00 31	87.00 32	77.00 31	46.00 32	44.00 31	37.00 31	27.00 31
1955	520.00 27	453.00 21	357.00 14	202.00 22	143.00 21	101.00 20	84.00 19	76.00 18	61.00 19
1956	739.00 16	442.00 22	246.00 24	148.00 27	90.00 30	55.00 30	54.00 30	50.00 27	35.00 30
1957	572.00 24	440.00 23	227.00 27	175.00 24	134.00 23	86.00 26	80.00 22	76.00 19	52.00 24
1958	2690.00 1	1460.00 1	1070.00 1	582.00 1	342.00 1	201.00 1	137.00 4	106.00 6	80.00 8
1959	1720.00 3	947.00 4	617.00 2	320.00 3	200.00 6	146.00 10	143.00 2	119.00 3	85.00 5
1960	542.00 26	430.00 24	288.00 19	161.00 25	144.00 20	90.00 25	81.00 20	72.00 21	65.00 16
1961	431.00 30	339.00 28	202.00 29	151.00 26	133.00 24	104.00 17	88.00 18	72.00 22	52.00 25
1962	745.00 15	478.00 18	287.00 20	199.00 23	151.00 19	128.00 12	109.00 13	89.00 15	73.00 13
1963	620.00 22	470.00 20	239.00 26	126.00 29	75.00 32	50.00 31	38.00 32	30.00 32	25.00 32
1964	274.00 33	191.00 33	119.00 33	74.00 33	56.00 33	39.00 33	28.00 33	24.00 33	18.00 33
1965	400.00 31	302.00 30	195.00 30	113.00 30	106.00 28	79.00 27	67.00 26	63.00 25	49.00 26
1966	936.00 9	548.00 12	325.00 18	204.00 20	112.00 26	64.00 29	56.00 28	47.00 29	48.00 27
1967	483.00 28	425.00 25	220.00 28	132.00 28	106.00 27	95.00 22	89.00 17	75.00 20	58.00 22
1968	1040.00 7	838.00 5	506.00 5	317.00 4	174.00 9	159.00 5	117.00 7	103.00 8	79.00 9
1969	920.00 10	678.00 8	372.00 12	241.00 12	154.00 18	107.00 16	95.00 16	91.00 13	74.00 12
1970	1140.00 5	973.00 2	547.00 3	290.00 7	228.00 3	157.00 6	115.00 9	90.00 14	64.00 17
1971	332.00 32	232.00 32	159.00 32	104.00 31	93.00 29	77.00 28	55.00 29	47.00 30	43.00 28
1972	828.00 13	555.00 11	357.00 15	262.00 10	157.00 15	96.00 21	68.00 25	58.00 26	61.00 20
1973	845.00 12	559.00 10	369.00 13	207.00 18	177.00 8	148.00 7	117.00 8	119.00 4	110.00 2
1974	797.00 14	593.00 9	419.00 9	281.00 8	164.00 13	147.00 8	127.00 6	114.00 5	100.00 3
1975	712.00 17	477.00 19	286.00 21	222.00 16	135.00 22	91.00 24	72.00 24	65.00 23	71.00 14
1976	568.00 25	333.00 29	264.00 22	232.00 15	156.00 16	103.00 18	75.00 23	65.00 24	57.00 23
1977	664.00 20	489.00 17	353.00 17	207.00 19	124.00 25	94.00 23	63.00 27	49.00 28	42.00 29
1978	1030.00 8	544.00 13	489.00 6	334.00 2	223.00 5	136.00 11	111.00 10	103.00 9	75.00 10
1979	1800.00 2	947.00 3	526.00 4	301.00 5	195.00 7	161.00 4	129.00 5	104.00 7	83.00 6
1980	1100.00 6	808.00 7	453.00 7	239.00 13	162.00 14	123.00 14	110.00 12	99.00 10	75.00 11
1981	702.00 18	522.00 15	416.00 10	250.00 11	166.00 12	114.00 15	99.00 15	82.00 16	64.00 18
1982	700.00 19	508.00 16	411.00 11	291.00 6	259.00 2	186.00 3	141.00 3	120.00 2	92.00 4

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	48.00 22
1951	60.00 27
1954	19.00 4
1955	26.00 8
1956	30.00 12
1957	11.00 2
1958	48.00 23
1959	64.00 30
1960	37.00 15
1961	27.00 9
1962	48.00 24
1963	19.00 5
1964	9.30 1
1965	19.00 6
1966	30.00 13
1967	29.00 11
1968	44.00 19
1969	37.00 16
1970	33.00 14
1971	53.00 25
1972	20.00 7
1973	78.00 31
1974	60.00 28
1975	39.00 17
1976	44.00 20
1977	17.00 3
1978	53.00 26
1979	40.00 18
1980	47.00 21
1981	28.00 10
1982	64.00 29

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1949	36.00 18
1950	75.00 1
1951	51.00 6
1953	31.00 22
1954	14.00 31
1955	34.00 20
1956	19.00 30
1957	27.00 25
1958	58.00 3
1959	44.00 10
1960	39.00 17
1961	27.00 26
1962	43.00 11
1963	13.00 32
1964	9.40 33
1965	26.00 28
1966	27.00 27
1967	31.00 23
1968	48.00 8
1969	42.00 14
1970	43.00 12
1971	30.00 24
1972	42.00 15
1973	73.00 2
1974	53.00 5
1975	41.00 16
1976	34.00 21
1977	25.00 29
1978	54.00 4
1979	45.00 9
1980	43.00 13
1981	35.00 19
1982	50.00 7



## 05524000 CARPENTER CREEK AT EGYPT, IN--Continued

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	0.75	5.86	36.40	166.00	115.00	37.50	22.40	28.80	9.09	7.62	0.80	1.49
1950	10.90	4.39	71.20	222.00	120.00	83.30	198.00	18.80	113.00	48.70	3.55	12.40
1951	6.65	15.90	27.10	67.00	136.00	78.60	85.80	48.30	24.50	114.00	11.60	3.92
1953	0.71	0.90	2.98	12.50	25.50	123.00	69.30	47.50	33.20	57.10	1.37	0.31
1954	0.37	0.60	0.82	6.90	4.44	9.42	40.10	21.50	66.60	13.00	7.85	0.48
1955	16.60	2.83	12.80	47.10	21.70	62.40	60.70	58.30	111.00	16.50	0.96	0.50
1956	3.45	11.50	6.09	3.54	51.90	35.70	48.50	59.10	11.90	2.34	0.35	0.02
1957	0.53	0.43	0.70	3.75	6.52	3.41	127.00	43.20	51.40	78.50	3.56	1.43
1958	17.80	31.60	127.00	39.50	21.60	29.40	16.60	9.10	338.00	57.80	10.40	2.38
1959	1.00	21.80	10.60	38.90	192.00	92.00	143.00	35.70	6.41	0.74	0.24	0.55
1960	4.67	40.70	36.30	38.20	83.30	63.00	93.60	35.10	67.00	7.99	1.72	0.94
1961	0.75	3.13	0.90	1.05	15.10	99.50	88.40	67.50	27.40	9.64	2.34	8.06
1962	4.13	30.50	19.20	85.20	103.00	133.00	30.40	62.40	10.20	43.50	0.89	0.32
1963	1.57	0.97	0.58	0.27	2.24	70.50	22.60	16.20	5.77	32.20	1.27	0.12
1964	0.09	0.44	0.16	9.26	1.19	21.40	52.70	8.50	10.80	8.49	0.04	0.00
1965	0.06	0.63	1.05	54.70	37.30	52.20	106.00	27.60	19.10	4.77	1.05	4.14
1966	11.10	6.13	82.20	33.70	17.80	41.80	52.00	56.20	15.20	3.15	0.29	0.23
1967	0.42	1.22	39.50	13.30	84.10	85.70	65.00	61.10	20.70	1.94	0.73	0.26
1968	0.81	2.11	160.00	70.30	117.00	24.00	71.00	28.80	46.70	13.50	37.90	1.58
1969	0.87	10.00	31.80	119.00	32.20	44.00	134.00	49.80	26.60	51.40	1.74	0.46
1970	13.70	38.30	14.40	14.40	7.85	43.80	139.00	155.00	17.40	8.07	2.38	55.60
1971	50.60	38.00	18.20	4.48	85.60	63.40	19.10	21.80	37.40	16.60	2.52	6.65
1972	2.14	1.34	62.90	30.80	9.01	28.90	109.00	28.60	28.80	12.90	33.80	157.00
1973	83.70	111.00	108.00	90.10	51.10	121.00	171.00	39.00	70.20	11.40	18.00	1.95
1974	1.34	3.11	59.90	153.00	92.70	98.20	60.40	102.00	53.00	6.46	1.01	1.19
1975	0.47	6.49	23.20	81.30	92.40	40.00	32.60	48.80	132.00	11.50	14.20	17.60
1976	1.85	7.44	53.10	12.00	133.00	66.70	23.10	28.40	77.10	14.40	1.08	0.52
1977	1.06	0.71	0.30	0.19	8.60	48.30	18.40	31.40	5.10	1.95	61.50	124.00
1978	67.80	17.80	107.00	10.40	7.82	179.00	64.80	76.20	69.60	23.80	12.20	1.50
1979	1.43	2.88	5.95	10.20	19.10	194.00	126.00	47.30	29.10	72.60	15.70	7.49
1980	3.18	33.80	49.90	25.10	27.50	128.00	101.00	15.10	127.00	3.02	1.21	6.08
1981	1.25	1.44	12.30	6.56	50.30	15.90	77.90	144.00	64.70	35.50	5.92	5.58
1982	12.40	17.20	16.00	50.40	157.00	184.00	79.70	26.40	61.10	5.40	2.33	0.85

OCT	NOV	DEC	JAN	FEB	MARCH
-----	-----	-----	-----	-----	-------

## TWENTY FIFTH PERCENTILE

0.75	1.28	4.46	8.08	12.10	36.60
------	------	------	------	-------	-------

## FIFTIETH PERCENTILE

1.57	5.86	19.19	30.80	37.30	63.00
------	------	-------	-------	-------	-------

## SEVENTY FIFTH PERCENTILE

11.00	19.80	56.50	68.60	97.80	98.80
-------	-------	-------	-------	-------	-------

APRIL	MAY	JUNE	JULY	AUG	SEPT
-------	-----	------	------	-----	------

## TWENTY FIFTH PERCENTILE

36.30	27.00	16.30	5.93	0.98	0.47
-------	-------	-------	------	------	------

## FIFTIETH PERCENTILE

69.30	39.00	33.20	12.90	2.33	1.49
-------	-------	-------	-------	------	------

## SEVENTY FIFTH PERCENTILE

108.00	58.70	68.30	39.50	11.00	6.36
--------	-------	-------	-------	-------	------

## 05524500 IROQUOIS RIVER NEAR FORESMAN, IN

LOCATION.--Lat 40°52'14", long 87°18'24", in NE¼SE¼ sec.15, T.28 N., R.8 W., Newton County, Hydrologic Unit 07120002, on right bank at downstream side of bridge on State Highway 55, 0.2 mi north of intersection of State Highways 16 and 55, 0.5 mi downstream from Mosquito Creek, 0.6 mi west of Foresman, 3 mi east of Brook, and at mile 72.7.

DRAINAGE AREA.--449 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1948 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 624.00 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1955, nonrecording gage 2.5 mi upstream at datum 3.54 ft higher.

AVERAGE DISCHARGE.--36 years (water years 1950 to 1985), 384 ft<sup>3</sup>/s, 11.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,930 ft<sup>3</sup>/s June 14, 1958, gage height, 24.42 ft; minimum daily, 6.3 ft<sup>3</sup>/s Sept. 10, 1964.

DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34						
1950						2		1		10	30	32	NUMBER OF DAYS IN CLASS										24	18	12	15	10	15	11	8	7	7	10	16	33	30	29	10	15	14	6
1951												16	13	29	16	28	34	26	25	28	21	18	11	17	14	16	15	21	6	3	5	3									
1952							12	17	17	14	10	7	5	9	8	5	13	22	29	43	33	25	43	22	12	13	3	4													
1953		2	8	6	12	27	22	17	23	13	11	12	17	8	17	22	17	32	15	17	16	13	11	7	7	6	7														
1954			1	5	43	68	18	16	20	8	9	12	13	15	14	22	21	11	16	21	12	8	7	3	2																
1955				4	11	19	9	10	6	3	34	35	17	10	21	22	16	20	16	19	16	17	20	13	9	12	3	3													
1956			3	4	16	9	16	7	14	9	36	30	40	23	22	20	31	15	8	8	8	8	8	8	8	8	7	2	2	3	1										
1957	1	17	8	6	28	23	31	18	13	9	10	18	29	10	16	6	11	14	8	9	5	5	10	12	9	11	9	12	4	3											
1958						1	12	2	2	9	13	13	21	14	19	26	54	40	22	22	13	8	7	9	13	11	11	8	5	1	1	3	4	1							
1959				3	13	16	13	12	27	35	18	24	15	7	20	15	13	17	20	11	9	4	9	14	20	14	2	1	5	3	5										
1960					6	4	14	7	13	6	13	12	11	5	13	25	36	27	33	29	17	20	18	12	10	14	6	5	10												
1961					4	13	32	22	56	25	11	13	9	13	19	17	16	11	19	17	12	8	11	9	6	10	4	5	3												
1962						10	27	14	12	4	10	2	8	12	18	17	27	26	39	30	15	25	21	13	14	10	7	2	2												
1963						22	34	35	36	35	22	40	20	13	11	20	8	10	9	6	7	6	9	8	3	1	3	1	1	3	2										
1964		3	13	33	27	54	40	23	18	13	16	18	11	13	16	13	16	5	5	9	8	5	4		1		2														
1965			7	11	10	30	8	5	4	22	19	25	18	20	6	14	16	17	11	12	15	18	15	14	16	10	13	9													
1966		5	8	5	12	15	23	7	5	6	3	7	12	19	45	36	28	18	13	16	12	9	13	6	9	15	10	4	3	1											
1967						38	23	20	17	7	18	7	11	8	8	8	18	24	16	17	13	20	16	18	11	21	11	12	3												
1968						8	7	3	4	15	18	20	23	19	22	38	26	16	16	17	17	17	10	15	7	10	6	7	8	7	4	5	1								
1969									21	22	43	15	7	13	19	29	30	30	17	16	13	15	16	9	21	13	6	3	4	3											
1970							1	10	20	7	10	24	25	11	23	29	29	36	25	22	14	14	17	9	6	11	8	2	4	4	1	3									
1971									3	24	22	21	25	19	33	23	23	34	32	28	18	15	12	11	9	8	1	4													
1972										2	39	29	16	21	28	40	22	18	19	24	28	13	20	14	20	9	4														
1973											12	12	6	8	13	13	4	6	17	23	31	10	22	38	59	30	30	7	10	8	6										
1974						20	13	8	11	29	30	16	7	13	17	12	12	17	17	30	9	14	13	16	15	14	16	6	8	2											
1975						12	12	5	1	5	11	26	14	22	15	16	22	19	35	20	31	25	26	11	6	6	6	9	8	2											
1976						2	8	5	8	25	49	7	20	9	16	24	17	23	24	16	21	13	13	19	7	14	8	7	5	6											
1977						29	17	22	52	34	12	17	16	16	13	15	22	31	13	12	6	16	10	5	14	3															
1978							14	20	9	7	13	41	22	18	14	30	25	16	18	13	15	15	14	12	12	18	11	4	4												
1979							1	47	50	40	21	20	13	19	8	16	17	12	5	7	8	11	12	17	16	11	5	2	1	3	3										
1980							6	16	24	15	20	18	7	24	18	26	29	38	32	7	9	11	11	14	23	10	4	3	1												
1981												4	22	25	39	53	40	26	20	15	16	14	12	21	13	17	12	6	5	3	2										
1982							10	19	8	7	6	7	7	1	5	18	29	47	37	25	22	19	12	11	13	6	10	17	5	5	6	9	4								
1983						5	22	34	24	8	6	7	5	2	6	14	6	8	20	26	30	30	14	16	18	13	22	10	10	6	2	1									
1984						13	34	23	5	11	10	18	10	15	7	13	29	17	11	28	17	15	17	10	8	7	13	10	6	14	5										
1985						2	21	26	18	26	12	6	14	9	11	21	33	36	21	18	15	12	7	8	4	3	11	6	13	6	2	1	3								

## 05524500 IROQUOIS RIVER NEAR FORESMAN, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13149	100.00	12	62.0	596	9689	73.69	24	740.0	500	2128	16.18
1	6.3	4	13149	100.00	13	76.0	594	9093	69.15	25	910.0	391	1628	12.38
2	7.8	44	13145	99.97	14	93.0	463	8499	64.64	26	1100.0	481	1237	9.41
3	9.5	72	13101	99.63	15	110.0	687	8036	61.11	27	1400.0	266	756	5.75
4	12.0	70	13029	99.09	16	140.0	729	7349	55.89	28	1700.0	204	490	3.73
5	14.0	273	12959	98.56	17	170.0	803	6620	50.35	29	2100.0	148	286	2.18
6	18.0	424	12686	96.48	18	210.0	759	5817	44.24	30	2600.0	82	138	1.05
7	22.0	478	12262	93.25	19	260.0	708	5058	38.47	31	3200.0	29	56	0.43
8	27.0	369	11784	89.62	20	320.0	676	4350	33.08	32	3900.0	21	27	0.21
9	33.0	529	11415	86.81	21	400.0	552	3674	27.94	33	4800.0	5	6	0.05
10	41.0	549	10886	82.79	22	490.0	475	3122	23.74	34	5900.0	1	1	0.01
11	50.0	648	10337	78.61	23	600.0	519	2647	20.13					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	19.8
P90 =	26.5
P75 =	58.8
P70 =	73.4
P50 =	172.0
P25 =	463.0
P10 =	1060.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1950	14.00 9	14.00 8	16.00 11	17.00 10	20.00 9	25.00 10	47.00 18	58.00 17	75.00 12
1951	34.00 27	36.00 29	40.00 29	44.00 28	60.00 34	102.00 33	142.00 33	145.00 28	194.00 30
1952	34.00 28	35.00 27	36.00 26	41.00 27	51.00 29	58.00 27	91.00 28	185.00 33	286.00 34
1953	19.00 16	20.00 17	20.00 15	21.00 14	23.00 16	24.00 8	28.00 8	34.00 8	55.00 8
1954	9.00 5	9.30 5	11.00 5	11.00 5	15.00 5	16.00 5	17.00 4	19.00 4	26.00 4
1955	15.00 10	15.00 9	15.00 9	16.00 9	19.00 8	40.00 20	50.00 19	73.00 19	80.00 13
1956	12.00 6	13.00 6	13.00 6	14.00 6	22.00 12	29.00 16	46.00 17	59.00 18	72.00 11
1957	7.60 2	8.00 2	8.30 2	8.40 1	9.40 1	12.00 2	15.00 2	17.00 3	22.00 1
1958	18.00 13	20.00 18	22.00 19	24.00 19	28.00 19	32.00 18	66.00 21	187.00 34	355.00 35
1959	32.00 24	32.00 24	33.00 24	36.00 23	40.00 22	47.00 22	67.00 22	92.00 23	116.00 19
1960	12.00 7	13.00 7	14.00 7	15.00 7	17.00 6	27.00 11	38.00 15	49.00 15	100.00 17
1961	15.00 11	15.00 10	16.00 10	19.00 11	23.00 17	28.00 14	30.00 9	33.00 6	34.00 5
1962	32.00 25	32.00 25	36.00 27	45.00 29	54.00 32	132.00 34	126.00 32	149.00 30	192.00 29
1963	19.00 17	19.00 15	19.00 13	19.00 12	21.00 10	27.00 12	32.00 13	41.00 11	48.00 7
1964	8.90 3	9.00 3	9.30 4	10.00 4	12.00 3	16.00 3	16.00 3	16.00 2	24.00 3
1965	6.30 1	6.90 1	8.00 1	8.70 2	11.00 2	11.00 1	11.00 1	12.00 1	22.00 2
1966	32.00 26	33.00 26	35.00 25	40.00 26	48.00 26	54.00 26	70.00 25	99.00 25	129.00 20
1967	9.00 4	9.00 4	9.20 3	10.00 3	13.00 4	16.00 4	18.00 5	20.00 5	63.00 10
1968	18.00 14	18.00 13	20.00 16	21.00 15	22.00 13	27.00 13	30.00 10	39.00 9	103.00 18
1969	42.00 32	43.00 32	45.00 32	47.00 31	53.00 30	53.00 23	64.00 20	101.00 26	164.00 24
1970	36.00 29	36.00 28	37.00 28	39.00 24	41.00 23	45.00 21	97.00 29	146.00 29	171.00 26
1971	26.00 21	27.00 22	30.00 21	32.00 21	41.00 24	63.00 28	74.00 26	143.00 27	220.00 31
1972	40.00 31	41.00 31	43.00 30	49.00 34	59.00 33	78.00 32	98.00 30	91.00 22	143.00 22
1973	60.00 35	63.00 35	70.00 35	85.00 35	137.00 35	199.00 36	244.00 36	250.00 36	437.00 36
1974	44.00 33	45.00 33	46.00 33	48.00 32	54.00 31	65.00 29	69.00 24	95.00 24	136.00 21
1975	19.00 18	20.00 16	20.00 17	21.00 16	23.00 14	29.00 15	32.00 11	43.00 13	83.00 14
1976	44.00 34	46.00 34	48.00 34	49.00 33	51.00 27	53.00 24	79.00 27	85.00 20	184.00 27
1977	21.00 19	21.00 19	22.00 18	23.00 18	24.00 18	30.00 17	38.00 14	41.00 12	47.00 6
1978	26.00 20	27.00 20	31.00 22	40.00 25	43.00 25	76.00 31	109.00 31	152.00 31	259.00 32
1979	27.00 22	27.00 21	28.00 20	31.00 20	34.00 20	36.00 19	41.00 16	45.00 14	56.00 9
1980	38.00 30	40.00 30	43.00 31	46.00 30	51.00 28	54.00 25	68.00 23	85.00 21	149.00 23
1981	29.00 23	29.00 23	31.00 23	34.00 22	40.00 21	67.00 30	147.00 34	170.00 32	187.00 28
1982	72.00 36	74.00 36	80.00 36	86.00 36	140.00 36	177.00 35	201.00 35	218.00 35	275.00 33
1983	18.00 15	18.00 14	19.00 14	21.00 17	23.00 15	24.00 9	32.00 12	54.00 16	169.00 25
1984	16.00 12	17.00 12	18.00 12	19.00 13	21.00 11	22.00 7	26.00 6	39.00 10	90.00 16
1985	14.00 8	15.00 11	15.00 8	16.00 8	18.00 7	20.00 6	26.00 7	34.00 7	85.00 15

## 05524500 IROQUOIS RIVER NEAR FORESMAN, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1950	3130.00 13	2930.00 13	2560.00 13	2190.00 9	1690.00 8	1490.00 3	1340.00 2	1350.00 1	1060.00 1
1951	2950.00 16	2850.00 14	2400.00 15	1500.00 26	1020.00 28	991.00 20	842.00 20	725.00 22	634.00 19
1952	2080.00 28	1970.00 28	1620.00 29	1070.00 33	841.00 32	709.00 32	656.00 28	616.00 25	606.00 23
1953	1550.00 34	1510.00 34	1430.00 32	1130.00 30	996.00 30	713.00 29	561.00 30	501.00 31	420.00 30
1954	970.00 36	943.00 36	756.00 35	559.00 35	502.00 35	366.00 35	356.00 35	313.00 35	248.00 35
1955	1900.00 30	1810.00 30	1640.00 28	1170.00 29	948.00 31	712.00 30	622.00 29	597.00 27	510.00 28
1956	2830.00 20	2560.00 22	2210.00 24	1560.00 21	1050.00 26	711.00 31	546.00 31	554.00 30	398.00 32
1957	2870.00 18	2690.00 19	2320.00 18	2020.00 14	1580.00 10	1060.00 17	911.00 18	898.00 12	623.00 21
1958	5930.00 1	5780.00 1	5250.00 1	3870.00 1	2360.00 2	1450.00 4	1020.00 11	809.00 17	639.00 18
1959	3380.00 8	3320.00 7	3140.00 7	2090.00 12	1460.00 12	1200.00 14	1130.00 5	923.00 10	652.00 16
1960	2510.00 25	2480.00 25	2190.00 25	1530.00 24	1370.00 18	861.00 22	812.00 21	733.00 21	642.00 17
1961	2150.00 27	2140.00 27	1930.00 27	1500.00 25	1200.00 24	856.00 24	728.00 25	601.00 26	453.00 29
1962	2670.00 23	2620.00 21	2230.00 23	1810.00 16	1450.00 13	1050.00 18	920.00 17	797.00 19	710.00 12
1963	3000.00 15	2770.00 17	2330.00 16	1540.00 23	1020.00 29	634.00 33	474.00 34	372.00 34	278.00 34
1964	1300.00 35	1110.00 35	700.00 36	522.00 36	371.00 36	286.00 36	217.00 36	186.00 36	140.00 36
1965	1660.00 32	1570.00 32	1350.00 34	1100.00 31	1030.00 27	819.00 26	731.00 24	668.00 23	516.00 27
1966	2640.00 24	2530.00 24	2250.00 22	1720.00 18	1210.00 23	799.00 27	681.00 26	562.00 29	559.00 26
1967	2320.00 26	2260.00 26	1950.00 26	1370.00 27	1260.00 20	1100.00 16	983.00 16	852.00 14	723.00 10
1968	4880.00 2	4680.00 2	4080.00 2	2980.00 3	1700.00 7	1420.00 6	1080.00 7	1030.00 4	837.00 5
1969	3030.00 14	2840.00 15	2320.00 19	1630.00 19	1260.00 21	948.00 21	811.00 22	793.00 20	630.00 20
1970	4210.00 6	4050.00 5	3410.00 5	2170.00 10	1620.00 9	1320.00 9	1010.00 15	821.00 16	601.00 24
1971	1970.00 29	1860.00 29	1460.00 31	851.00 34	808.00 33	718.00 28	545.00 32	456.00 32	399.00 31
1972	1860.00 31	1730.00 31	1490.00 30	1250.00 28	1070.00 25	836.00 25	678.00 27	577.00 28	564.00 25
1973	2830.00 19	2760.00 18	2320.00 20	1620.00 20	1570.00 11	1280.00 11	1020.00 12	1030.00 5	986.00 2
1974	3310.00 9	3210.00 9	2930.00 8	2250.00 8	1450.00 14	1350.00 7	1180.00 4	1040.00 3	981.00 3
1975	2770.00 21	2670.00 20	2330.00 17	2010.00 15	1280.00 19	858.00 23	748.00 23	662.00 24	716.00 11
1976	2910.00 17	2840.00 16	2750.00 10	2310.00 6	1870.00 3	1310.00 10	1010.00 13	848.00 15	679.00 14
1977	1560.00 33	1530.00 33	1400.00 33	1080.00 32	789.00 34	608.00 34	539.00 33	442.00 33	344.00 33
1978	3160.00 11	3020.00 12	2690.00 11	2250.00 7	1800.00 5	1220.00 12	1030.00 8	916.00 11	675.00 15
1979	4590.00 3	4460.00 3	3800.00 4	2630.00 4	1830.00 4	1500.00 2	1250.00 3	1000.00 7	731.00 9
1980	2680.00 22	2550.00 23	2260.00 21	1550.00 22	1250.00 22	1020.00 19	846.00 19	799.00 18	622.00 22
1981	3390.00 7	3260.00 8	2850.00 9	2110.00 11	1400.00 16	1180.00 15	1100.00 6	950.00 8	754.00 8
1982	4500.00 4	4300.00 4	3850.00 3	3260.00 2	2750.00 1	2000.00 1	1510.00 1	1270.00 2	971.00 4
1983	3280.00 10	3090.00 10	2540.00 14	1740.00 17	1430.00 15	1320.00 8	1030.00 9	897.00 13	836.00 6
1984	3140.00 12	3030.00 11	2590.00 12	2030.00 13	1370.00 17	1210.00 13	1010.00 14	1010.00 6	784.00 7
1985	4210.00 5	4040.00 6	3390.00 6	2540.00 5	1700.00 6	1430.00 5	1020.00 10	923.00 9	886.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1950	438.00 23
1951	465.00 27
1952	439.00 24
1953	298.00 11
1954	159.00 2
1955	233.00 6
1956	254.00 8
1957	160.00 3
1958	526.00 33
1959	505.00 31
1960	371.00 15
1961	273.00 10
1962	492.00 29
1963	234.00 7
1964	84.00 1
1965	190.00 4
1966	328.00 12
1967	373.00 16
1968	505.00 32
1969	400.00 20
1970	331.00 13
1971	461.00 26
1972	266.00 9
1973	671.00 35
1974	563.00 34
1975	436.00 22

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1950	621.00 2
1951	412.00 17
1952	416.00 15
1953	233.00 32
1954	138.00 35
1955	293.00 27
1956	233.00 33
1957	329.00 26
1958	506.00 6
1959	360.00 24
1960	420.00 13
1961	259.00 30
1962	448.00 10
1963	162.00 34
1964	78.00 36
1965	287.00 29
1966	329.00 25
1967	416.00 16
1968	525.00 5
1969	381.00 22
1970	405.00 19
1971	292.00 28
1972	408.00 18
1973	683.00 1
1974	537.00 4
1975	421.00 12

## 05524500 IROQUOIS RIVER NEAR FORESMAN, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1976	487.00	28
1977	230.00	5
1978	393.00	17
1979	399.00	19
1980	401.00	21
1981	345.00	14
1982	751.00	36
1983	395.00	18
1984	499.00	30
1985	447.00	25

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1976	418.00	14
1977	238.00	31
1978	457.00	9
1979	398.00	21
1980	399.00	20
1981	473.00	8
1982	567.00	3
1983	480.00	7
1984	434.00	11
1985	380.00	23

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1949	*	*	*	*	*	*	285.00	257.00	212.00	87.90	39.60	20.10
1950	116.00	60.20	558.00	1634.0	1147.0	871.00	1672.0	307.00	500.00	331.00	78.30	231.00
1951	125.00	166.00	243.00	456.00	863.00	672.00	910.00	374.00	185.00	816.00	117.00	54.70
1952	217.00	535.00	388.00	711.00	466.00	494.00	679.00	586.00	683.00	123.00	91.40	28.90
1953	22.70	33.00	69.80	175.00	301.00	789.00	551.00	320.00	193.00	279.00	51.70	16.70
1954	16.80	20.60	23.20	60.90	128.00	253.00	453.00	193.00	339.00	100.00	60.40	18.50
1955	151.00	69.10	124.00	458.00	244.00	582.00	519.00	490.00	726.00	94.90	37.10	23.40
1956	82.20	140.00	83.20	70.80	485.00	323.00	286.00	978.00	250.00	61.90	26.00	23.10
1957	9.70	16.50	24.40	46.80	105.00	81.70	1331.0	765.00	479.00	964.00	88.40	30.40
1958	254.00	405.00	969.00	452.00	170.00	374.00	216.00	108.00	2314.0	557.00	182.00	66.10
1959	40.50	164.00	96.80	193.00	1356.0	870.00	950.00	521.00	102.00	60.60	29.70	29.30
1960	120.00	518.00	397.00	435.00	884.00	439.00	1119.0	343.00	617.00	139.00	45.70	31.40
1961	23.70	43.90	33.80	33.90	142.00	716.00	814.00	601.00	210.00	124.00	155.00	206.00
1962	174.00	580.00	407.00	626.00	638.00	1379.0	488.00	483.00	178.00	356.00	35.50	31.50
1963	100.00	65.40	39.80	27.00	32.20	950.00	236.00	199.00	60.20	169.00	31.40	16.90
1964	16.60	19.20	15.30	44.40	31.40	159.00	356.00	129.00	94.10	44.40	12.60	11.10
1965	11.00	16.10	37.20	501.00	473.00	610.00	1021.0	345.00	173.00	89.40	51.90	139.00
1965	237.00	134.00	646.00	482.00	159.00	447.00	507.00	1055.0	171.00	39.60	20.30	14.00
1967	20.20	123.00	786.00	170.00	678.00	898.00	927.00	874.00	403.00	71.40	36.00	24.50
1968	34.20	98.40	1274.0	468.00	1490.0	408.00	967.00	429.00	519.00	358.00	245.00	54.30
1969	53.10	117.00	309.00	714.00	669.00	392.00	1196.0	517.00	209.00	316.00	64.90	42.40
1970	218.00	397.00	189.00	149.00	228.00	448.00	1248.0	1236.0	296.00	94.50	52.80	305.00
1971	319.00	347.00	226.00	78.00	786.00	589.00	281.00	187.00	274.00	267.00	64.30	131.00
1972	98.30	69.60	589.00	579.00	188.00	450.00	1072.0	489.00	250.00	163.00	360.00	582.00
1973	808.00	1016.0	820.00	1027.0	551.00	916.00	1567.0	417.00	633.00	145.00	245.00	55.80
1974	74.40	89.40	415.00	1200.0	911.00	1044.0	745.00	1360.0	435.00	103.00	38.60	34.10
1975	25.10	101.00	210.00	772.00	866.00	572.00	422.00	412.00	1260.0	232.00	103.00	127.00
1976	51.50	74.30	572.00	185.00	1409.0	1053.0	459.00	430.00	514.00	205.00	68.90	45.90
1977	75.60	52.90	44.50	27.00	200.00	634.00	507.00	366.00	120.00	52.40	258.00	524.00
1978	414.00	206.00	797.00	135.00	85.60	1209.0	985.00	797.00	440.00	267.00	72.00	34.20
1979	40.70	48.40	66.70	103.00	135.00	1771.0	1174.0	678.00	240.00	296.00	138.00	57.90
1980	51.70	210.00	381.00	283.00	296.00	1003.0	920.00	219.00	882.00	60.10	79.50	422.00
1981	128.00	106.00	347.00	208.00	544.00	271.00	874.00	1326.0	1001.0	521.00	170.00	198.00
1982	255.00	267.00	247.00	559.00	1366.0	2266.0	897.00	284.00	517.00	130.00	49.60	23.90
1983	24.50	349.00	1071.0	342.00	517.00	550.00	1281.0	1212.0	243.00	121.00	28.40	21.10
1984	53.80	100.00	562.00	151.00	1085.0	1159.0	720.00	906.00	385.00	66.30	24.60	19.40
1985	35.40	180.00	336.00	548.00	894.00	1272.0	898.00	161.00	116.00	27.90	104.00	24.30

ILLINOIS RIVER BASIN  
05524500 IROQUOIS RIVER NEAR FORESMAN, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
27.40	61.50	73.10	111.00	175.00	441.00
FIFTIETH PERCENTILE					
75.00	112.00	323.00	313.00	501.00	622.00
SEVENTY FIFTH PERCENTILE					
168.00	253.00	570.00	556.00	880.00	990.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
474.00	296.00	189.00	79.60	36.50	23.19
FIFTIETH PERCENTILE					
874.00	430.00	296.00	130.00	64.30	34.10
SEVENTY FIFTH PERCENTILE					
1047.00	781.00	518.00	288.00	111.00	129.00

LOCATION.--Lat 41°33'40", long 87°28'50", in SE¼NW¼ sec.20, T.36 N., R.9 W., Lake County, Hydrologic Unit 07120003, on left bank at city limits of Munster, 0.2 mi downstream from Ridge Road, and 0.4 mi upstream from mouth.

**PERIOD OF RECORD.--**September 1942 to September 1985.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 591.27 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Since Sept. 11, 1959, auxiliary water-stage recorder 1,200 ft upstream from base gage, at same datum.

REMARKS.--High flow occasionally in backwater from Little Calumet River.

**AVERAGE DISCHARGE.**--43 years, 62.3 ft<sup>3</sup>/s, 11.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,670 ft<sup>3</sup>/s Apr. 28, 1959; maximum gage height, 8.04 ft June 14, 1981; minimum daily discharge, 1.6 ft<sup>3</sup>/s Dec. 24-26, 31, 1963, Jan. 1, 2, Sept. 4-9, 14-17, 1964.

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
1943									28	13	23	31	39	20	39	22	22	20	19	13	18	9	6	8	11	8	9	3	5	2	2	1	2	2		
1944				3	11	45	34		39	23	31	35	19	7	12	9	11	18	9	11	15	8	6	4	2	2	2	4	2	1	1				2	
1945				9	39	98	32		20	7	10	6	10	14	16	21	23	15	6	2	9	6	4	3	4	2	2	3	1	2	1					
1946		2	8	16	19	17			26	33	44	32	17	24	14	14	17	11	15	9	11	9	5	4	2	1	5	4	1							
1947		3	9	12	20	26		16	15	31	41	28	18	14	19	10	10	9	10	11	12	9	5	10	3	4	2	3	1	1	1	1	1	1		
1948			2	30	40	49		27	9	31	25	25	13	12	21	14	11	10	7	9	5	3	6	3	5	1	2	1	2	2	1					
1949				11	48	65		40	6	29	22	16	13	27	11	17	10	14	9	7	6	3	3	2	1	1	3	1								
1950				8	18	28	50		16	11	21	12	15	7	20	12	11	27	19	12	20	8	10	3	9	9	1	2	7	3	3	3				
1951					7	32	27		29	30	33	28	14	14	22	24	18	14	13	13	11	4	11	2	5	5	2	4	1		1	1				
1952					13	32	22		18	12	14	25	18	22	23	28	30	22	22	14	13	6	11	4	4	3	3	2	3	1	1					
1953				1	47	50	36		17	25	28	32	15	17	12	17	12	12	11	12	7	2	3	1	1	1	3	1	1	1						
1954				14	62	42	41		32	10	18	14	11	11	25	17	12	13	9	8	8	4	3	2	1	1	2	2	1	2						
1955			2	5	3	21	22		21	12	31	33	23	28	30	26	25	17	12	10	11	7	9	2	2	3	2	3			1		1	1		
1956				1	15	27	31	46		28	35	30	32	25	23	12	14	5	6	2	6	8	2	4	2		2	3	1	2	1	1	2			
1957				4	62	75	26		15	10	8	25	34	15	17	10	10	11	8	6	5	6	5	2	2	2	2	1	2					2		
1958					1	14	26		23	23	20	55	49	26	31	24	8	11	11	12	6	4	5	3	3	3	2	3		2						
1959					4	28	63		50	23	20	16	10	15	13	13	16	8	9	6	14	12	9	8	7	7	3	7		1		2		1		
1960					13	15	14		14	10	10	14																								

## 05536190 HART DITCH AT MUNSTER, IN--Continued

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	15706	100.00	12	18.0	974	8394	53.44	24	240.0	219	874	5.56
1	1.6	22	15706	100.00	13	22.0	887	7420	47.24	25	300.0	165	655	4.17
2	2.0	15	15684	99.86	14	27.0	991	6533	41.60	26	380.0	141	490	3.12
3	2.5	91	15669	99.76	15	34.0	800	5542	35.29	27	470.0	117	349	2.22
4	3.1	181	15578	99.19	16	42.0	848	4742	30.19	28	580.0	82	232	1.48
5	3.8	660	15397	98.03	17	53.0	646	3894	24.79	29	720.0	59	150	0.96
6	4.8	1117	14737	93.83	18	66.0	584	3248	20.68	30	900.0	40	91	0.58
7	5.9	1248	13620	86.72	19	82.0	438	2664	16.96	31	1100.0	28	51	0.32
8	7.4	1015	12372	78.77	20	100.0	534	2226	14.17	32	1400.0	8	23	0.15
9	9.2	754	11357	72.31	21	130.0	315	1692	10.77	33	1700.0	14	15	0.10
10	11.0	1012	10603	67.51	22	160.0	298	1377	8.77	34	2200.0	1	1	0.01
11	14.0	1197	9591	61.07	23	200.0	205	1079	6.87					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 =	4.5
P90 =	5.4
P75 =	8.5
P70 =	10.1
P50 =	20.2
P25 =	52.6
P10 =	142.0

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1944	4.80 34	5.30 33	5.70 33	6.30 33	8.10 32	9.70 28	11.00 28	15.00 25	18.00 20
1945	3.40 16	3.60 13	3.80 13	4.00 11	4.50 9	4.70 7	5.00 5	5.00 3	5.30 2
1946	4.10 26	4.10 23	4.40 22	5.00 21	6.10 21	7.00 19	8.70 19	17.00 30	21.00 25
1947	3.00 7	3.50 11	4.00 16	4.40 17	5.10 16	5.60 15	9.00 21	9.10 16	15.00 18
1948	3.00 8	3.00 4	3.30 5	4.10 12	5.20 17	7.20 20	10.00 25	11.00 22	20.00 21
1949	3.20 13	3.60 14	3.60 11	4.30 15	4.50 10	5.20 12	5.60 9	5.70 6	6.30 6
1950	4.50 27	4.70 28	5.20 28	5.50 24	6.00 20	6.90 18	7.00 15	7.20 11	11.00 15
1951	3.30 14	3.60 15	3.60 12	3.90 8	4.40 8	5.20 13	5.50 8	6.00 8	10.00 13
1952	7.30 40	7.30 39	7.30 39	7.40 36	8.00 31	11.00 31	15.00 35	18.00 31	28.00 30
1953	3.50 17	4.00 20	4.30 20	4.40 18	4.80 13	5.00 8	5.40 6	5.50 5	6.80 7
1954	3.10 9	3.30 8	3.40 9	3.90 9	4.20 6	4.40 5	4.60 2	4.90 2	5.40 3
1955	3.90 24	4.10 24	4.90 24	5.90 30	6.80 29	14.00 37	13.00 30	22.00 35	44.00 38
1956	2.80 5	3.00 5	3.30 6	4.10 13	4.90 14	7.40 21	8.80 20	9.60 18	9.60 11
1957	3.30 15	3.30 9	3.30 7	3.60 6	3.70 4	4.40 6	4.50 1	4.60 1	4.90 1
1958	4.50 28	4.90 31	5.20 29	5.50 25	5.70 19	6.10 16	10.00 26	18.00 32	30.00 31
1959	5.10 35	5.60 36	5.70 34	6.10 31	6.60 28	7.60 24	7.90 16	7.90 14	17.00 19
1960	4.50 29	4.50 26	5.00 25	5.20 22	6.30 24	12.00 32	23.00 38	24.00 38	37.00 35
1961	3.00 6	3.00 6	3.00 4	3.20 4	5.10 15	5.40 14	6.00 12	6.00 9	6.20 5
1962	4.50 30	4.70 27	5.00 26	6.20 32	8.90 34	21.00 40	28.00 40	29.00 40	53.00 42
1963	3.90 25	4.10 25	4.30 21	4.40 19	4.70 11	5.00 9	5.40 7	5.90 7	6.10 4
1964	1.60 1	1.60 1	1.70 1	1.80 1	2.50 1	4.10 2	4.80 4	5.20 4	7.10 8
1965	1.60 2	1.60 2	1.70 2	2.30 2	3.60 3	4.20 3	5.70 10	8.00 15	7.70 9
1966	3.50 18	3.70 16	3.90 14	4.30 16	5.50 18	6.70 17	7.90 17	15.00 26	51.00 41
1967	2.50 4	3.00 7	3.40 8	3.70 7	4.30 7	5.00 10	5.90 11	7.20 12	11.00 14
1968	3.60 21	4.00 21	4.00 17	4.20 14	4.80 12	5.20 11	6.50 13	10.00 19	26.00 28
1969	3.10 10	3.80 17	5.40 31	5.50 23	6.20 22	7.60 25	9.90 24	18.00 33	40.00 37
1970	3.60 22	3.80 18	4.00 18	5.70 29	6.50 25	7.50 22	11.00 27	15.00 27	20.00 22
1971	3.10 11	4.00 22	4.70 23	5.60 26	9.70 37	12.00 33	15.00 36	22.00 36	39.00 36
1972	2.10 3	2.40 3	2.60 3	2.70 3	3.20 2	3.80 1	4.70 3	7.20 13	10.00 12
1973	4.80 31	5.50 35	6.70 37	8.10 38	15.00 41	24.00 41	26.00 39	35.00 41	49.00 39
1974	4.80 32	4.80 29	5.30 30	5.60 27	6.30 23	7.60 23	8.50 18	9.40 17	13.00 16
1975	4.80 33	5.30 32	5.80 35	6.50 34	9.10 35	12.00 34	13.00 31	14.00 23	24.00 26
1976	3.80 23	3.90 19	4.00 19	4.80 20	6.50 26	8.10 26	9.70 23	10.00 20	20.00 23
1977	3.50 19	3.50 12	3.50 10	3.60 5	3.80 5	4.40 4	6.90 14	7.10 10	8.40 10
1978	3.10 12	3.40 10	3.90 15	4.00 10	6.60 27	9.80 29	12.00 29	15.00 24	31.00 32
1979	3.60 20	4.90 30	5.00 27	5.70 28	7.70 30	9.00 27	9.60 22	11.00 21	15.00 17
1980	5.20 36	5.40 34	5.60 32	7.00 35	9.60 36	11.00 30	14.00 32	22.00 37	20.00 24
1981	5.40 37	6.50 37	6.90 38	7.50 37	8.70 33	15.00 38	31.00 41	27.00 39	32.00 33
1982	9.50 42	11.00 42	12.00 42	17.00 42	21.00 42	34.00 42	47.00 42	46.00 42	50.00 40
1983	7.00 39	7.50 40	8.40 40	9.20 40	10.00 38	13.00 36	14.00 33	16.00 28	28.00 29
1984	8.70 41	9.20 41	10.00 41	11.00 41	13.00 40	17.00 39	19.00 37	21.00 34	36.00 34
1985	6.00 38	6.50 38	6.70 36	8.20 39	10.00 39	12.00 35	14.00 34	16.00 29	25.00 27



## 05536190 HART DITCH AT MUNSTER, IN--Continued

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1943	1930.00 5	1130.00 12	659.00 16	633.00 2	424.00 2	253.00 6	237.00 2	216.00 1	183.00 1
1944	2130.00 3	1580.00 3	862.00 4	491.00 6	368.00 4	262.00 4	200.00 7	163.00 10	111.00 16
1945	1060.00 24	713.00 28	472.00 26	440.00 14	271.00 17	179.00 20	139.00 25	116.00 26	81.00 30
1946	705.00 36	542.00 36	425.00 31	249.00 34	155.00 37	96.00 39	110.00 32	89.00 34	76.00 33
1947	1840.00 9	1310.00 8	785.00 8	462.00 8	374.00 3	266.00 3	227.00 3	177.00 7	134.00 12
1948	1660.00 10	1250.00 9	727.00 10	411.00 16	234.00 22	192.00 17	175.00 14	139.00 18	102.00 21
1949	700.00 37	463.00 39	294.00 39	195.00 39	134.00 40	120.00 33	104.00 35	85.00 36	63.00 38
1950	1260.00 19	873.00 21	538.00 21	342.00 22	279.00 14	268.00 2	217.00 4	205.00 2	172.00 2
1951	1350.00 14	866.00 23	460.00 29	264.00 31	178.00 31	149.00 25	149.00 21	123.00 24	97.00 22
1952	937.00 28	598.00 33	359.00 37	225.00 37	151.00 38	112.00 38	106.00 34	102.00 31	94.00 25
1953	872.00 31	590.00 34	406.00 32	242.00 35	176.00 32	118.00 34	90.00 37	85.00 37	61.00 39
1954	810.00 33	622.00 32	386.00 35	227.00 36	161.00 35	132.00 32	100.00 36	87.00 35	66.00 37
1955	2570.00 1	1890.00 1	1080.00 1	557.00 3	295.00 12	162.00 22	148.00 22	120.00 25	103.00 20
1956	1230.00 21	873.00 22	521.00 22	453.00 9	268.00 18	149.00 26	138.00 26	110.00 29	75.00 34
1957	1540.00 11	1170.00 10	589.00 17	300.00 27	180.00 30	115.00 36	127.00 28	109.00 30	78.00 31
1958	785.00 35	633.00 30	461.00 27	256.00 33	144.00 39	80.00 40	75.00 40	69.00 40	59.00 40
1959	2160.00 2	1350.00 7	705.00 11	389.00 18	333.00 7	212.00 11	190.00 9	193.00 3	138.00 7
1960	820.00 32	622.00 31	461.00 28	258.00 32	199.00 26	138.00 30	131.00 27	127.00 22	107.00 19
1961	925.00 29	741.00 27	492.00 25	293.00 29	172.00 34	113.00 37	86.00 38	73.00 38	70.00 35
1962	645.00 39	491.00 37	388.00 34	339.00 23	215.00 25	145.00 27	118.00 30	99.00 32	86.00 29
1963	510.00 42	416.00 41	253.00 41	137.00 42	77.00 43	47.00 43	44.00 43	37.00 43	37.00 41
1964	395.00 43	302.00 43	174.00 43	126.00 43	99.00 41	64.00 42	50.00 42	42.00 42	31.00 43
1965	1060.00 25	779.00 26	430.00 30	369.00 20	227.00 23	185.00 19	145.00 23	132.00 21	92.00 26
1966	2030.00 4	1520.00 4	878.00 2	500.00 5	310.00 9	176.00 21	156.00 19	135.00 19	135.00 11
1967	900.00 30	666.00 29	403.00 33	337.00 24	287.00 13	231.00 9	180.00 12	142.00 16	111.00 17
1968	1200.00 22	1000.00 14	580.00 18	351.00 21	190.00 28	154.00 24	119.00 29	115.00 27	92.00 27
1969	690.00 38	574.00 35	341.00 38	290.00 30	176.00 33	133.00 31	114.00 31	113.00 28	96.00 24
1970	1000.00 27	833.00 24	515.00 23	294.00 28	241.00 21	208.00 12	160.00 16	134.00 20	97.00 23
1971	542.00 41	410.00 42	291.00 40	188.00 40	156.00 36	116.00 35	84.00 39	72.00 39	70.00 36
1972	550.00 40	483.00 38	363.00 36	213.00 38	181.00 29	142.00 29	108.00 33	91.00 33	78.00 32
1973	1400.00 12	1130.00 11	691.00 12	375.00 19	259.00 20	204.00 14	170.00 15	173.00 9	159.00 3
1974	1240.00 20	925.00 18	768.00 9	444.00 13	277.00 15	188.00 18	159.00 17	152.00 14	136.00 8
1975	1300.00 15	910.00 19	492.00 24	309.00 26	221.00 24	158.00 23	153.00 20	156.00 12	136.00 9
1976	1200.00 23	932.00 17	676.00 13	447.00 11	331.00 8	199.00 15	198.00 8	160.00 11	117.00 14
1977	808.00 34	436.00 40	238.00 42	141.00 41	99.00 42	80.00 41	63.00 41	50.00 41	37.00 42
1978	1040.00 26	793.00 25	565.00 19	402.00 17	342.00 6	230.00 10	183.00 11	146.00 15	109.00 18
1979	1300.00 16	1030.00 13	831.00 6	548.00 4	453.00 1	331.00 1	250.00 1	192.00 4	136.00 10
1980	1270.00 18	934.00 16	545.00 20	316.00 25	193.00 27	144.00 28	145.00 24	124.00 23	92.00 28
1981	1850.00 7	1510.00 5	817.00 7	445.00 12	271.00 16	232.00 8	216.00 5	186.00 6	141.00 6
1982	1300.00 17	895.00 20	665.00 15	451.00 10	300.00 10	240.00 7	178.00 13	152.00 13	115.00 15
1983	1840.00 8	1490.00 6	855.00 5	490.00 7	295.00 11	205.00 13	156.00 18	141.00 17	151.00 4
1984	1390.00 13	945.00 15	672.00 14	437.00 15	267.00 19	199.00 16	212.00 6	192.00 5	144.00 5
1985	1900.00 6	1590.00 2	878.00 3	634.00 1	366.00 5	254.00 5	187.00 10	176.00 8	130.00 13

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1944	91.00 38
1945	35.00 9
1946	70.00 25
1947	34.00 8
1948	84.00 35
1949	50.00 13
1950	67.00 23
1951	63.00 21
1952	70.00 24
1953	43.00 12
1954	27.00 3
1955	74.00 28
1956	29.00 4
1957	32.00 5
1958	60.00 20
1959	53.00 16
1960	91.00 39

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1943	112.00 1
1944	61.00 25
1945	45.00 33
1946	48.00 31
1947	74.00 12
1948	56.00 28
1949	37.00 38
1950	92.00 4
1951	57.00 27
1952	62.00 24
1953	34.00 40
1954	37.00 39
1955	65.00 21
1956	42.00 36
1957	42.00 37
1958	45.00 32
1959	74.00 13

## 05536190 HART DITCH AT MUNSTER, IN--Continued

## ANNUAL VALUES--Continued

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1961	33.00	/
1962	78.00	32
1963	19.00	1
1964	19.00	2
1965	39.00	10
1966	86.00	36
1967	65.00	22
1968	72.00	26
1969	59.00	18
1970	52.00	15
1971	76.00	29
1972	32.00	6
1973	95.00	40
1974	73.00	27
1975	82.00	34
1976	79.00	33
1977	40.00	11
1978	51.00	14
1979	77.00	30
1980	59.00	19
1981	54.00	17
1982	116.00	42
1983	78.00	31
1984	90.00	37
1985	100.00	41

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1960	71.00	15
1961	43.00	34
1962	54.00	29
1963	22.00	42
1964	19.00	43
1965	66.00	19
1966	77.00	8
1967	63.00	22
1968	71.00	16
1969	65.00	20
1970	59.00	26
1971	43.00	35
1972	54.00	30
1973	102.00	2
1974	77.00	9
1975	80.00	7
1976	67.00	18
1977	30.00	41
1978	68.00	17
1979	76.00	10
1980	62.00	23
1981	89.00	5
1982	72.00	14
1983	95.00	3
1984	87.00	6
1985	74.00	11

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1943	8.83	67.60	146.00	62.30	190.00	199.00	94.30	367.00	61.20	51.50	77.90	14.20
1944	11.60	27.60	10.80	10.30	45.90	306.00	208.00	67.90	26.90	7.69	5.07	5.42
1945	5.64	5.43	5.46	4.73	30.40	54.40	91.30	255.00	41.60	9.46	6.20	30.90
1946	34.00	27.00	28.40	128.00	44.70	143.00	19.20	30.10	82.50	9.27	17.50	5.55
1947	5.71	17.90	34.80	68.70	22.20	89.90	363.00	114.00	134.00	10.60	6.94	19.60
1948	9.08	23.50	48.20	17.60	91.70	183.00	49.30	219.00	11.30	7.49	5.86	5.18
1949	5.81	6.40	8.08	62.80	116.00	102.00	62.80	29.70	10.80	24.80	9.55	6.01
1950	8.66	6.33	119.00	164.00	110.00	252.00	279.00	33.00	99.30	24.50	5.69	5.65
1951	5.92	7.02	11.60	74.30	133.00	89.30	134.00	136.00	24.10	50.00	13.20	11.40
1952	22.70	129.00	32.50	141.00	38.40	109.00	112.00	37.70	102.00	8.47	6.09	5.17
1953	5.03	6.43	9.62	18.00	61.40	145.00	46.00	44.70	55.50	9.65	7.76	4.85
1954	4.36	4.63	5.88	8.73	24.70	112.00	146.00	30.30	29.60	49.70	20.30	6.93
1955	282.00	27.30	49.80	107.00	65.10	75.20	37.20	38.10	39.20	38.20	10.80	5.92
1956	12.90	13.30	8.62	7.04	79.40	60.40	127.00	165.00	14.70	6.95	6.10	3.91
1957	5.04	4.70	4.99	6.99	12.50	19.10	132.00	78.90	55.40	161.00	13.00	5.78
1958	14.50	63.10	62.90	23.00	52.10	55.00	30.50	11.90	144.00	15.90	63.00	8.88
1959	7.53	8.80	7.68	9.45	200.00	137.00	193.00	228.00	30.10	45.00	18.20	11.80
1960	40.40	86.00	72.60	117.00	134.00	113.00	117.00	40.80	96.50	25.10	8.73	5.80
1961	6.06	7.08	5.93	5.77	10.70	63.10	156.00	37.30	30.90	42.50	24.20	130.00
1962	54.00	75.70	38.60	60.20	78.90	205.00	43.80	43.70	20.20	13.20	7.86	5.86
1963	6.70	7.19	5.34	5.06	6.32	65.50	20.80	41.50	11.20	70.30	11.70	7.17
1964	6.17	7.55	3.07	9.89	11.00	28.10	96.70	24.20	15.90	7.10	4.73	17.50
1965	3.95	6.25	7.12	83.70	53.40	143.00	225.00	39.80	8.78	6.11	19.60	201.00
1966	56.10	15.90	231.00	44.60	75.50	114.00	146.00	199.00	14.60	10.30	7.24	4.86
1967	6.23	23.50	97.60	12.90	52.70	207.00	233.00	61.00	44.80	7.91	5.50	8.45
1968	38.50	95.60	131.00	64.50	144.00	39.10	65.50	24.70	89.80	15.00	132.00	10.80
1969	6.24	25.10	64.60	148.00	38.70	80.60	123.00	85.20	69.30	89.30	42.50	7.47
1970	17.00	26.70	18.90	27.50	54.40	69.80	227.00	162.00	41.80	14.60	11.00	43.60
1971	83.20	47.30	45.30	12.20	114.00	119.00	22.10	25.60	16.50	15.90	9.67	12.40
1972	4.25	3.54	74.20	51.20	21.20	129.00	124.00	62.70	37.50	17.40	63.00	59.40
1973	68.60	177.00	165.00	151.00	69.30	148.00	239.00	97.10	75.50	13.60	8.96	6.30
1974	13.20	10.10	49.50	151.00	107.00	106.00	111.00	246.00	74.40	22.70	16.10	15.30
1975	9.35	36.10	62.90	172.00	136.00	84.50	219.00	65.60	147.00	19.80	12.40	9.56
1976	8.15	17.20	61.00	14.40	163.00	223.00	111.00	128.00	19.80	27.60	19.00	10.60
1977	10.60	11.90	6.01	3.77	42.90	91.90	40.10	22.20	15.10	10.60	11.80	90.10
1978	38.50	36.40	92.10	14.90	10.00	221.00	166.00	144.00	32.00	29.90	18.50	9.43
1979	10.00	12.40	21.60	22.90	21.10	429.00	219.00	78.90	15.90	13.80	53.30	11.20
1980	11.10	36.00	51.00	23.50	36.40	164.00	101.00	46.90	154.00	10.50	31.00	86.00
1981	17.10	13.30	64.30	16.10	80.90	29.00	216.00	175.00	249.00	88.50	42.20	78.50
1982	31.00	69.70	42.80	45.20	89.70	268.00	159.00	70.50	37.30	27.30	13.40	14.10
1983	13.20	80.90	279.00	37.40	101.00	102.00	217.00	144.00	22.90	99.20	20.60	19.30
1984	19.40	56.00	103.00	16.50	135.00	233.00	153.00	220.00	65.40	19.00	15.50	13.30
1985	16.20	45.20	91.70	114.00	236.00	215.00	87.90	20.50	16.00	15.50	18.30	18.40

05536190 HART DITCH AT MUNSTER, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
6.17	7.19	8.62	12.20	36.40	75.20
FIFTIETH PERCENTILE					
10.60	23.50	45.30	27.50	65.10	113.00
SEVENTY FIFTH PERCENTILE					
22.69	47.30	74.20	83.70	114.00	199.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
65.50	37.30	16.50	10.30	7.76	5.86
FIFTIETH PERCENTILE					
124.00	65.60	37.50	15.90	13.00	10.60
SEVENTY FIFTH PERCENTILE					
208.00	144.00	75.50	38.20	20.30	18.39

## 05536195 LITTLE CALUMET RIVER AT MUNSTER, IN

LOCATION.--Lat 41°34'07", long 87°31'18", in SE¼NW¼ sec.13, T.36 N., R.10 W., Lake County, Hydrologic Unit 07120003, on left bank 200 ft upstream from Hohman Street bridge at north city limits of Munster, 0.4 mi upstream from Indiana-Illinois State line, and 4.6 mi upstream from Thorn Creek.

DRAINAGE AREA.--90.0 mi<sup>2</sup>. During times of floods on Deep River, flow may enter basin from eastern portion of Little Calumet River basin; or, during times of floods on Hart ditch, flow may leave the basin and enter eastern portion of the Little Calumet River basin.

PERIOD OF RECORD.--June 1958 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 580.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow from eastern portion of Little Calumet River basin is diverted to Lake Michigan by Burns ditch.

AVERAGE DISCHARGE.--27 years, 75.1 ft<sup>3</sup>/s, 11.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,510 ft<sup>3</sup>/s Apr. 28, 1959, gage height, 13.67 ft; maximum gage height, 16.40 ft June 14, 1981; minimum daily discharge, 1.9 ft<sup>3</sup>/s Aug. 20, 1964.

## DURATION TABLE OF DAILY MEAN DISCHARGES FOR YEAR ENDING SEPTEMBER 30

CLASS YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
	NUMBER OF DAYS IN CLASS																																			
1959								14	53	54	38	28	8	10	9	16	9	14	11	12	9	9	7	6	6	9	10	9	9	4	4	4	1	1	1	
1960								28	15	16	13	12	9	13	29	35	49	31	27	14	18	7	11	2	4	2	8	4	7	6	4	2				
1961						9	8	54	69	22	13	22	8	28	18	17	13	16	9	7	9	10	6	5	4	2	5	3	2	2	2	2				
1962						3	2	16	23	8	18	14	12	13	26	26	35	34	30	26	19	14	6	15	4	5	7	2	2	2	3					
1963			4	5	1			9	47	50	49	34	28	28	14	18	12	12	13	12	5	6	2	4	4		3	3	1	1						
1964			9	7	10	17		17	34	40	34	39	27	17	15	10	20	12	8	12	10	6	5	3	2	3	1	3	2	1	2					
1965						13	23	49	26	21	18	20	9	14	16	18	13	7	11	8	9	17	7	10	15	4	8	8	5	8	3	4	1			
1966				3	4	18	10	14	14	12	12	19	19	25	39	18	18	19	15	14	18	14	6	8	7	8	3	12	5	4	2	2	3			
1967			1	8	9	25	26	24	12	12	20	25	26	23	7	13	12	15	9	11	13	13	11	7	11	6	6	8	8	3	1					
1968					3	10	17	19	14	10	25	29	26	29	27	21	23	21	15	14	6	7	6	3	5	5	5	8	7	4	3	3	1			
1969						17	31	16	16	12	7	18	20	40	21	14	16	19	12	5	19	10	19	12	15	13	7	5	1							
1970					2	5	3	24	17	25	25	21	32	20	16	30	21	17	16	9	9	14	7	8	11	10	7	3	3	5	5					
1971						7	23	12	25	34	20	23	23	16	17	18	22	25	24	19	14	10	10	8	3	4	5	2	1							
1972				3	24	14	18	7	19	10	25	15	17	13	22	18	18	24	15	13	21	12	14	7	13	12	5	3	3	1						
1973								16	16	20	17	7	3	6	8	9	24	20	16	16	28	30	33	31	21	14	10	6	4	5	3	1	1			
1974								14	20	33	26	13	10	20	19	26	21	17	14	17	17	14	16	11	18	8	7	7	3	9	4	1				
1975						6	6	11	21	25	10	15	9	13	16	19	30	30	27	21	21	15	13	17	12	9	8	6	3	2						
1976					3	4	6	17	25	27	35	26	18	32	16	16	12	13	13	9	19	6	17	6	10	12	5	5	4	6	3	1				
1977						20	45	29	36	35	32	15	21	22	14	11	10	10	13	12	14	6	2	2	2	2	2									
1978						1	7	6	1	6	12	22	45	21	36	29	23	18	24	13	20	16	9	13	8	10	11	5	2	5	2					
1979							1	14	18	19	27	10	56	40	35	16	9	12	10	5	10	11	9	5	11	12	10	11	6	5	2	1				
1980								1	12	14	41	23	16	19	17	20	24	30	23	17	20	11	16	13	22	12	8	2	3							
1981										5	24	32	41	36	22	21	21	17	14	21	15	18	18	17	15	11	6	3	6	1	1					
1982							2	16	16	12	11	9	26	47	56	23	17	13	9	12	10	26	16	13	10	5	3	4	7							
1983							4	13	11	15	14	16	16	12	12	25	36	31	20	27	23	16	13	18	9	8	9	5	4	3	3	2				
1984							11	16	17	20	24	28	19	21	19	25	22	20	12	21	16	16	13	7	9	13	8	3	3	3						
1985							1	3	24	31	19	33	22	33	51	26	12	12	18	12	11	7	4	10	4	9	5	5	3	2	4	3	1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	9862	100.00	12	16.0	491	6909	70.06	24	160.0	249	1311	13.29
1	1.9	9	9862	100.00	13	19.0	551	6418	65.08	25	190.0	268	1062	10.77
2	2.3	11	9853	99.91	14	23.0	617	5867	59.49	26	230.0	217	794	8.05
3	2.8	19	9842	99.80	15	28.0	580	5250	53.23	27	280.0	179	577	5.85
4	3.4	35	9823	99.60	16	34.0	515	4670	47.35	28	340.0	134	398	4.04
5	4.1	104	9788	99.25	17	41.0	521	4155	42.13	29	420.0	97	264	2.68
6	5.0	168	9684	98.20	18	50.0	513	3634	36.85	30	500.0	92	167	1.69
7	6.0	416	9516	96.49	19	61.0	422	3121	31.65	31	610.0	48	75	0.76
8	7.3	552	9100	92.27	20	74.0	340	2699	27.37	32	740.0	21	27	0.27
9	8.9	539	8548	86.68	21	89.0	410	2359	23.92	33	900.0	5	6	0.06
10	11.0	518	8009	81.21	22	110.0	293	1949	19.76	34	1100.0	1	1	0.01
11	13.0	582	7491	75.96	23	130.0	345	1656	16.79					

## VALUE EXCEEDED 'P' PERCENT OF TIME

P95 = 6.5  
P90 = 7.9  
P75 = 13.5  
P70 = 16.0  
P50 = 31.3  
P25 = 84.3  
P10 = 201.0

## 05536195 LITTLE CALUMET RIVER AT MUNSTER, IN--Continued

## LOWEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

YEAR	1	3	7	14	30	60	90	120	183
1960	7.60 18	7.80 18	7.90 18	8.20 16	9.10 13	16.00 18	27.00 22	29.00 19	44.00 17
1961	4.60 9	4.60 7	4.70 5	5.00 5	6.80 7	6.90 4	7.30 1	7.40 1	8.40 1
1962	6.10 14	6.40 14	7.70 17	8.80 19	10.00 15	25.00 24	30.00 23	31.00 22	56.00 23
1963	4.70 10	5.20 11	5.70 10	6.00 9	7.00 8	7.50 5	7.80 3	9.10 3	9.60 2
1964	2.30 2	2.40 2	2.70 2	3.70 2	5.10 2	7.80 6	8.20 5	8.00 2	9.80 3
1965	1.90 1	2.10 1	2.20 1	3.20 1	5.50 4	6.70 3	9.00 6	11.00 6	12.00 4
1966	4.10 6	4.80 8	5.20 8	5.60 6	8.20 10	9.80 10	11.00 9	21.00 14	61.00 24
1967	3.00 3	3.10 3	3.60 3	4.00 3	5.10 3	6.20 2	7.80 4	10.00 4	15.00 6
1968	4.30 7	4.50 6	5.00 6	5.60 7	6.70 6	8.00 7	9.50 7	15.00 8	34.00 14
1969	5.10 12	5.30 12	5.70 11	5.90 8	6.30 5	8.20 8	12.00 10	24.00 18	47.00 18
1970	3.60 4	4.10 4	6.30 12	6.50 10	8.60 11	10.00 11	15.00 14	18.00 12	22.00 9
1971	4.80 11	4.90 10	5.40 9	6.80 11	13.00 19	17.00 19	22.00 19	30.00 20	50.00 20
1972	4.00 5	4.20 5	4.30 4	4.40 4	4.90 1	5.70 1	7.70 2	11.00 5	16.00 7
1973	8.30 23	8.80 23	9.40 23	12.00 24	23.00 25	32.00 25	35.00 24	47.00 25	64.00 25
1974	7.70 19	7.90 19	8.00 19	8.50 17	9.90 14	13.00 13	14.00 11	16.00 9	22.00 8
1975	7.70 20	8.00 20	8.50 20	8.90 20	14.00 23	20.00 21	22.00 20	23.00 16	38.00 16
1976	4.30 8	4.80 9	5.20 7	7.50 13	8.60 12	12.00 12	14.00 12	17.00 10	31.00 13
1977	6.90 17	7.00 16	7.00 15	7.20 12	7.40 9	8.80 9	11.00 8	13.00 7	14.00 5
1978	6.20 15	6.50 15	6.90 14	7.60 14	13.00 20	18.00 20	21.00 17	24.00 17	51.00 21
1979	5.80 13	6.10 13	6.30 13	7.90 15	12.00 16	15.00 16	16.00 15	21.00 15	23.00 10
1980	6.60 16	7.20 17	7.50 16	8.70 18	13.00 21	16.00 17	21.00 18	33.00 23	30.00 12
1981	8.70 24	9.50 24	10.00 24	11.00 23	13.00 22	23.00 22	45.00 25	41.00 24	52.00 22
1982	17.00 26	20.00 26	24.00 26	31.00 26	34.00 26	46.00 26	65.00 26	61.00 26	70.00 26
1983	8.10 21	8.60 22	9.10 22	9.90 21	12.00 17	14.00 14	15.00 13	20.00 13	36.00 15
1984	11.00 25	11.00 25	12.00 25	14.00 25	18.00 24	23.00 23	26.00 21	30.00 21	49.00 19
1985	8.20 22	8.30 21	8.70 21	10.00 22	12.00 18	14.00 15	16.00 16	18.00 11	26.00 11

## HIGHEST MEAN DISCHARGE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING SEPTEMBER 30

YEAR	1	3	7	15	30	60	90	120	183
1959	1160.00 1	870.00 2	564.00 8	402.00 7	318.00 6	211.00 9	202.00 5	207.00 1	150.00 6
1960	742.00 13	622.00 14	478.00 12	269.00 21	213.00 19	164.00 18	151.00 17	145.00 15	125.00 12
1961	688.00 18	595.00 16	437.00 16	281.00 20	168.00 23	115.00 24	88.00 24	75.00 24	68.00 24
1962	600.00 21	462.00 23	380.00 22	330.00 16	218.00 18	149.00 21	122.00 21	103.00 22	93.00 21
1963	379.00 27	306.00 27	235.00 26	147.00 26	90.00 27	51.00 27	46.00 27	40.00 27	41.00 27
1964	405.00 26	317.00 26	202.00 27	141.00 27	119.00 26	75.00 26	59.00 26	48.00 26	36.00 27
1965	760.00 11	637.00 13	449.00 15	393.00 9	231.00 16	201.00 13	165.00 13	152.00 12	107.00 17
1966	895.00 5	802.00 4	599.00 6	400.00 8	265.00 11	159.00 20	144.00 18	127.00 19	125.00 13
1967	622.00 19	556.00 19	407.00 19	321.00 17	286.00 9	237.00 4	192.00 9	152.00 13	122.00 14
1968	943.00 4	834.00 3	523.00 10	353.00 12	195.00 21	167.00 17	129.00 19	131.00 18	102.00 19
1969	454.00 24	390.00 24	286.00 24	242.00 23	188.00 22	145.00 22	122.00 22	114.00 20	101.00 20
1970	596.00 22	530.00 20	435.00 18	303.00 18	264.00 12	213.00 8	163.00 15	137.00 17	103.00 18
1971	432.00 25	358.00 25	243.00 25	175.00 25	150.00 25	123.00 23	89.00 23	79.00 23	80.00 23
1972	549.00 23	481.00 22	390.00 21	246.00 22	203.00 20	160.00 19	124.00 20	105.00 21	92.00 22
1973	970.00 3	790.00 5	612.00 4	356.00 11	279.00 10	229.00 5	195.00 8	191.00 3	184.00 1
1974	835.00 6	699.00 10	606.00 5	425.00 5	331.00 4	210.00 10	190.00 10	184.00 5	167.00 3
1975	700.00 17	570.00 17	404.00 20	342.00 14	252.00 14	192.00 15	187.00 11	180.00 7	163.00 4
1976	820.00 9	719.00 8	575.00 7	413.00 6	336.00 2	222.00 7	213.00 2	180.00 8	136.00 10
1977	609.00 20	525.00 21	332.00 23	222.00 24	158.00 24	97.00 25	79.00 25	63.00 25	55.00 25
1978	734.00 14	656.00 12	463.00 14	346.00 13	326.00 5	239.00 3	199.00 6	163.00 11	126.00 11
1979	830.00 7	749.00 6	645.00 2	477.00 2	407.00 1	331.00 1	263.00 1	205.00 2	149.00 7
1980	719.00 15	600.00 15	436.00 17	295.00 19	231.00 17	180.00 16	164.00 14	148.00 14	113.00 15
1981	749.00 12	658.00 11	477.00 13	336.00 15	237.00 15	203.00 11	208.00 3	187.00 4	151.00 5
1982	830.00 8	741.00 7	614.00 3	492.00 1	333.00 3	271.00 2	204.00 4	181.00 6	138.00 9
1983	1090.00 2	920.00 1	696.00 1	456.00 3	311.00 7	224.00 6	174.00 12	166.00 10	170.00 2
1984	701.00 16	564.00 18	496.00 11	384.00 10	255.00 13	201.00 14	199.00 7	179.00 9	139.00 8
1985	780.00 10	717.00 9	539.00 9	447.00 4	286.00 8	202.00 12	152.00 16	144.00 16	108.00 16

## 05536195 LITTLE CALUMET RIVER AT MUNSTER, IN--Continued

## ANNUAL VALUES

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING MARCH 31

1960	98.00	21
1961	40.00	3
1962	81.00	13
1963	24.00	2
1964	22.00	1
1965	49.00	5
1966	90.00	18
1967	68.00	10
1968	81.00	14
1969	62.00	8
1970	57.00	7
1971	85.00	15
1972	41.00	4
1973	114.00	25
1974	90.00	19
1975	102.00	23
1976	98.00	22
1977	51.00	6
1978	67.00	9
1979	88.00	16
1980	78.00	12
1981	73.00	11
1982	132.00	26
1983	91.00	20
1984	104.00	24
1985	88.00	17

ANNUAL MEAN DISCHARGE AND RANKING  
IN YEAR ENDING SEPTEMBER 30

1959	81.00	12
1960	83.00	11
1961	44.00	25
1962	61.00	22
1963	26.00	26
1964	23.00	27
1965	77.00	15
1966	75.00	16
1967	71.00	17
1968	79.00	14
1969	70.00	18
1970	64.00	20
1971	52.00	23
1972	67.00	19
1973	121.00	1
1974	98.00	5
1975	99.00	4
1976	80.00	13
1977	44.00	24
1978	84.00	9
1979	87.00	8
1980	83.00	10
1981	102.00	3
1982	90.00	6
1983	114.00	2
1984	88.00	7
1985	63.00	21

## NORMAL MONTHLY MEANS (ALL DAYS)

YEAR	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT
1958	*	*	*	*	*	*	*	*	*	19.70	69.30	11.60
1959	9.49	11.60	9.13	12.80	252.00	149.00	147.00	266.00	35.30	57.30	20.10	17.20
1960	45.60	98.40	80.60	139.00	163.00	113.00	136.00	47.00	129.00	33.10	12.30	10.90
1961	7.50	8.23	7.12	7.32	16.10	70.90	150.00	41.00	34.10	42.30	27.20	118.00
1962	74.20	85.50	44.10	64.50	83.10	207.00	50.70	52.10	23.90	22.00	11.50	7.26
1963	13.60	12.60	8.31	7.38	8.49	74.30	21.30	39.60	14.60	76.20	19.90	11.80
1964	7.82	10.40	7.34	11.20	11.40	32.40	116.00	24.30	15.20	12.80	7.28	27.40
1965	8.16	7.50	11.60	107.00	76.70	171.00	231.00	48.10	11.20	9.56	31.30	217.00
1966	75.40	22.50	170.00	75.40	75.90	111.00	126.00	187.00	19.60	15.40	10.20	5.54
1967	8.78	36.60	113.00	17.20	72.50	206.00	241.00	78.30	51.80	10.90	9.12	12.00
1968	51.90	117.00	153.00	73.60	144.00	42.40	65.70	21.80	111.00	19.30	135.00	12.50
1969	6.47	31.60	80.60	126.00	52.60	78.20	139.00	98.00	73.40	95.10	42.50	11.30
1970	23.10	26.10	19.50	28.00	56.20	73.10	257.00	141.00	58.40	22.10	14.50	49.80
1971	93.00	70.50	58.90	14.40	127.00	118.00	25.60	30.40	25.70	26.90	12.10	22.20
1972	7.01	5.29	93.20	65.50	26.70	150.00	142.00	70.30	49.00	25.00	84.50	86.70
1973	89.30	212.00	163.00	186.00	86.20	173.00	268.00	129.00	104.00	20.70	15.30	9.92
1974	24.20	15.90	77.00	169.00	134.00	123.00	145.00	247.00	155.00	39.50	25.10	26.30
1975	14.80	53.60	77.20	170.00	157.00	118.00	240.00	109.00	189.00	34.10	26.80	13.00
1976	13.10	23.00	88.30	22.40	177.00	250.00	120.00	157.00	30.90	43.70	27.70	14.20
1977	20.10	17.90	12.20	7.79	47.10	110.00	59.10	29.50	24.00	24.30	18.20	158.00
1978	59.70	56.20	123.00	27.20	19.50	201.00	208.00	171.00	44.40	46.20	37.40	14.00
1979	18.50	23.90	35.10	30.30	35.20	386.00	261.00	118.00	26.20	15.80	80.20	13.90
1980	19.30	48.40	77.60	42.40	48.30	184.00	155.00	58.60	162.00	15.30	51.70	132.00
1981	24.50	21.20	89.50	27.80	98.80	51.90	213.00	174.00	218.00	109.00	84.50	110.00
1982	54.10	83.80	64.80	57.40	103.00	317.00	178.00	99.70	49.10	35.30	16.00	16.60
1983	13.10	92.00	301.00	58.60	124.00	108.00	247.00	162.00	35.20	172.00	27.40	25.90
1984	28.10	68.80	123.00	24.00	122.00	217.00	166.00	177.00	80.60	19.30	16.60	16.20
1985	19.40	40.60	70.90	108.00	154.00	194.00	86.10	22.60	17.00	15.90	16.20	14.40

05536195 LITTLE CALUMET RIVER AT MUNSTER, IN--Continued

OCT	NOV	DEC	JAN	FEB	MARCH
TWENTY FIFTH PERCENTILE					
9.49	15.90	19.50	17.19	47.10	78.20
FIFTIETH PERCENTILE					
19.40	31.60	77.20	42.40	83.10	123.00
SEVENTY FIFTH PERCENTILE					
51.90	70.50	113.00	107.00	134.00	201.00
APRIL	MAY	JUNE	JULY	AUG	SEPT
TWENTY FIFTH PERCENTILE					
116.00	41.00	24.00	16.69	14.70	11.90
FIFTIETH PERCENTILE					
147.00	98.00	44.40	24.60	22.60	15.30
SEVENTY FIFTH PERCENTILE					
231.00	162.00	104.00	43.30	41.20	44.20

## STATION INDEX

	Page
Back Creek at Leesville.....	668
Bean Creek at Indianapolis.....	490
Beanblossom Creek at Beanblossom.....	523
Beanblossom Creek at Dolan.....	530
Bear Creek near Trevlac.....	527
Bice ditch near South Marion.....	933
Big Blue River at Carthage.....	575
Big Blue River at Shelbyville.....	579
Big Creek near Wadesville.....	750
Big Lick Creek near Hartford City .....	172
Big Monon Creek near Francesville.....	245
Big Pine Creek near Williamsport.....	298
Big Raccoon Creek at Coxville.....	344
Big Raccoon Creek at Mansfield.....	338
Big Raccoon Creek near Ferndale.....	334
Big Raccoon Creek near Fincastle.....	330
Big Walnut Creek near Reelsville.....	545
Big Walnut Creek at Greencastle.....	543
Blue River at Fredericksburg.....	93
Blue River near White Cloud.....	96
Brouilletts Creek near Universal.....	349
Brush Creek near Nebraska.....	650
Buck Creek at Acton.....	587
Buck Creek near Muncie.....	400
Buck Creek near New Middletown.....	79
Busseron Creek near Carlisle.....	382
Busseron Creek near Hymera.....	364
Busseron Creek near Sullivan.....	375
Buttermilk Creek near Paxton.....	378
Buttermilk Creek near Sullivan.....	380
Carpenter Creek at Egypt.....	942
Cedar Creek at Auburn.....	833
Cedar Creek near Cedarville.....	837
Christiana Creek at Elkhart.....	795
Cicero Creek at Noblesville.....	440
Cicero Creek near Arcadia.....	429
Cicero Creek near Cicero.....	435
Clear Creek near Harrodsburg.....	688
Clifty Creek at Hartsville.....	622
Coal Creek at Coal Creek.....	310
Cobb ditch near Kouts.....	898
Crooked Creek at Indianapolis.....	453
Crooked Creek at Santa Claus.....	106
Deep River at Lake George outlet at Hobart.....	753
Deer Creek near Delphi.....	224
Deer Creek near Putnamville.....	559
Driftwood River near Edinburgh.....	600
Eagle Creek at Indianapolis.....	497
Eagle Creek at Zionsville.....	493
East Fork Coal Creek near Hillsboro.....	307



## STATION INDEX --Continued

	Page
East Fork White River at Columbus.....	614
East Fork White River at Seymour.....	632
East Fork White River at Shoals.....	698
East Fork White River near Bedford.....	664
East Fork Whitewater River at Abington.....	49
East Fork Whitewater River at Brookville.....	52
East Fork Whitewater River at Richmond.....	45
Eel River at Bowling Green.....	562
Eel River at North Manchester.....	195
Eel River near Logansport.....	204
Elkhart River at Goshen.....	808
Fall Creek at Millersville.....	470
Fall Creek near Fortville.....	459
Fish Creek at Hamilton.....	819
Flat Creek near Otwell.....	729
Flatrock River at Columbus.....	611
Flatrock River at St. Paul.....	605
Forker Creek near Burr Oak.....	800
Galena River near LaPorte.....	774
Graham Creek near Vernon.....	638
Hall Creek near St. Anthony.....	726
Harber ditch at Fort Wayne.....	856
Harberts Creek near Madison.....	641
Hart ditch at Munster.....	951
Haw Creek near Clifford.....	619
Hinkle Creek near Cicero.....	437
Indian Creek near Corydon.....	85
Indian Creek near Springville.....	695
Indian-Kentuck Creek near Canaan.....	72
Iroquois River at Rensselaer.....	928
Iroquois River at Rosebud.....	917
Iroquois River near Foresman.....	946
Iroquois River near North Marion.....	924
Kankakee River at Davis.....	872
Kankakee River at Dunns Bridge.....	891
Kankakee River at Shelby.....	901
Kankakee River near Kouts.....	896
Kankakee River near North Liberty.....	865
Killbuck Creek near Anderson.....	413
Killbuck Creek near Gaston.....	410
Kingsbury Creek near LaPorte.....	869
Kokomo Creek near Kokomo.....	266
Laughery Creek near Farmers Retreat.....	68
Lawrence Creek at Fort Benjamin Harrison.....	464
Lick Creek at Indianapolis.....	507
Lime Lake Outlet at Panama.....	777
Little Calumet River at Gary.....	758
Little Calumet River at Munster.....	956
Little Calumet River at Porter.....	761
Little Cicero Creek near Arcadia.....	432

## STATION INDEX--Continued

	Page
Little Eagle Creek at Speedway.....	503
Little Elkhart River at Middlebury.....	791
Little Indian Creek near Galena.....	82
Little Indian Creek near Royal Center.....	242
Little Mississinewa River at Union City.....	162
Little Pigeon Creek near Tennyson.....	109
Little Raccoon Creek near Catlin.....	341
Little River near Huntington.....	134
Little Vermilion River near Newport.....	312
Little Williams Creek at Connersville.....	36
Lost River near West Baden Springs.....	705
Maumee River at New Haven.....	861
Middle Fork Anderson River at Bristow.....	102
Mill Creek near Cataract.....	549
Mill Creek near Manhattan.....	553
Mississinewa River at Marion.....	175
Mississinewa River at Peoria.....	181
Mississinewa River near Eaton.....	169
Mississinewa River near Ridgeville.....	164
Mud Creek at Indianapolis.....	467
Mud Creek near Cass.....	370
Mud Creek near Dugger.....	372
Mud Pine Creek near Oxford.....	294
Muscatatuck River near Austin.....	648
Muscatatuck River near Deputy.....	644
North Branch Elkhart River at Cosperville.....	797
North Fork Salt Creek at Nashville.....	674
North Fork Salt Creek near Belmont.....	677
Oliver ditch near Aix.....	922
Patoka River at Jasper.....	721
Patoka River at Winslow.....	732
Patoka River near Cuzco.....	717
Patoka River near Hardinsburg.....	714
Patoka River near Princeton.....	738
Pigeon Creek at Evansville.....	111
Pigeon Creek near Angola.....	780
Pigeon River near Scott.....	788
Pine Creek near Elkhart.....	793
Pipe Creek at Frankton.....	415
Pipe Creek near Bunker Hill.....	192
Pleasant Run at Arlington Avenue at Indianapolis.....	483
Pleasant Run at Brookville Road at Indianapolis.....	487
Plum Creek near Bainbridge.....	540
Pretty Lake Inlet near Stroh.....	785
Rattlesnake Creek near Patton.....	216
Rimmell Branch near Albion.....	803
Salamonie River at Dora.....	147
Salamonie River at Portland.....	139
Salamonie River near Warren.....	143
Salt Creek near Harrodsburg.....	683

## STATION INDEX--Continued

	Page
Salt Creek near McCool.....	766
Salt Creek near Peerless.....	691
Sand Creek near Brewersville.....	627
Silver Creek near Sellersburg.....	75
Singleton ditch at Schneider.....	909
Singleton ditch near Hebron.....	907
Slough Creek near Collegeville.....	938
South Fork Patoka River near Spurgeon.....	735
South Fork Salt Creek at Kurtz.....	671
South Fork Wildcat Creek near Lafayette.....	278
South Hogan Creek near Dillsboro.....	64
Spy Run Creek at Fort Wayne.....	859
St. Joseph River at Cedarville.....	829
St. Joseph River at Elkhart.....	814
St. Joseph River at Hursh.....	827
St. Joseph River near Fort Wayne.....	842
St. Joseph River near Newville.....	822
St. Marys River at Decatur.....	845
St. Marys River near Fort Wayne.....	850
Stephens Creek near Bloomington.....	681
Stony Creek near Noblesville.....	444
Sugar Creek at Crawfordsville.....	314
Sugar Creek at New Palestine.....	584
Sugar Creek near Byron.....	319
Sugar Creek near Edinburgh.....	595
Sugar Creek near Middletown.....	456
Tippecanoe River at Oswego.....	229
Tippecanoe River near Delphi.....	254
Tippecanoe River near Monticello.....	248
Tippecanoe River near Ora.....	237
Trail Creek at Michigan City.....	771
Turkey Creek at Syracuse.....	805
Vernon Fork Muscatatuck River at Vernon.....	659
Vernon Fork Muscatatuck River near Butlerville.....	654
Wabash River at Bluffton.....	123
Wabash River at Covington.....	301
Wabash River at Delphi.....	219
Wabash River at Huntington.....	128
Wabash River at Lafayette.....	287
Wabash River at Linn Grove.....	119
Wabash River at Logansport.....	209
Wabash River at Montezuma.....	323
Wabash River at Mount Carmel, IL.....	744
Wabash River at Peru.....	186
Wabash River at Riverton.....	358
Wabash River at Terre Haute.....	351
Wabash River at Vincennes.....	387
Wabash River at Wabash.....	155
Wabash River near New Corydon.....	115
Walnut Creek near Warsaw.....	234

## STATION INDEX--Continued

	Page
Weesau Creek near Deedsville.....	201
West Creek near Schneider.....	914
West Fork Blue River at Salem.....	90
West Fork Busseron Creek near Hymera.....	367
West Fork White Lick Creek at Danville.....	510
White Lick Creek near Mooresville.....	514
White River at Anderson.....	404
White River at Indianapolis.....	477
White River at Muncie.....	394
White River at Newberry.....	569
White River at Noblesville.....	424
White River at Petersburg.....	708
White River at Spencer.....	535
White River near Centerton.....	518
White River near Noblesville.....	418
White River near Nora.....	447
Whitewater River at Brookville.....	57
Whitewater River near Alpine.....	39
Whitewater River near Economy.....	30
Whitewater River near Hagerstown.....	33
Wildcat Creek at Greentown.....	263
Wildcat Creek at Kokomo.....	270
Wildcat Creek at Owasco.....	274
Wildcat Creek near Jerome.....	259
Wildcat Creek near Lafayette.....	283
Yellow River at Knox.....	886
Yellow River at Plymouth.....	881
Yellow River near Bremen.....	878
Youngs Creek near Edinburgh.....	590