CALENDAR FOR WATER YEAR 1995

1994

OCTOBER

S	M	T	W	T	F	S
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2	3	4	5	6	7	8
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NOVEMBER

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DECEMBER

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1995

JANUARY

S	M	T	W	T	F	S
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FEBRUARY

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30						

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JUNE

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JULY

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23	24	25	26	27	28	29
30	31					

AUGUST

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20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER

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					1	2
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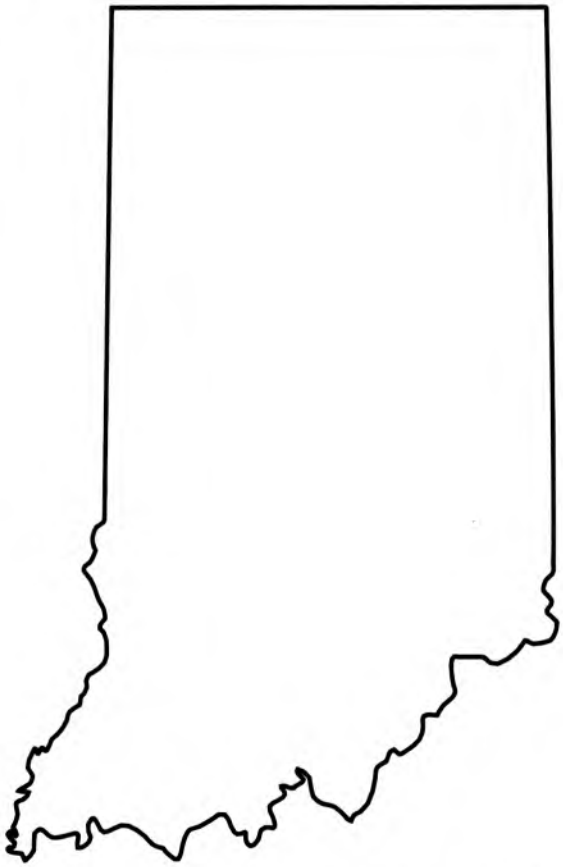
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Water Resources Data
Indiana
Water Year 1995

by James A. Stewart, Charles R. Keeton, Brian L. Benedict, and
Lowell E. Hammil



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Prepared in cooperation with the State of Indiana
and with other agencies

U. S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. Geological Survey

Gordon P. Eaton, Director

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Indianapolis, Indiana 46278

1996

PREFACE

This volume of the annual hydrologic data report of Indiana is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, stage, lake levels, ground-water levels, and water quality provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT *(Maximum 200 words)*
Water resources data for the 1995 water year for Indiana consists of records of discharge, stage, and water quality of streams and wells; reservoir stage and contents; and water levels in lakes and wells. This report contains records of discharge for 166 stream-gaging stations, stage for 6 stream stations, stage and contents for 1 reservoir, water quality for 1 stream, and water levels for 80 lakes and 94 observation wells. These data represent that part of the National Water Data System operated by the U.S. Geological Survey in Indiana in cooperation with State and Federal agencies.

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The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Indiana have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Discontinued short-term project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

(Most stations are surface-water discharge, exceptions are designated with footnotes)

Station name	Station number	Drainage area (mi^2)	Period of record
OHIO RIVER BASIN			
Little Williams Creek at Connersville	03274950	9.16	1968-91
East Fork Whitewater River at Richmond	03275500	121	1949-78
South Hogan Creek near Dillsboro	03276700	38.1	1961-93
Laughery Creek near Farmers Retreat (a)	03277000	248	1941-73
Indian Creek near Corydon	03302500	129	1943-93
Whiskey Run at Marengo (d)	03302849	7.02	1986-93
Friday Branch tributary near Saint Meinrad (b)	03303276	.096	1981
Little Pigeon Creek near Tennyson	03304000	150	1944-47
Pigeon Creek at Evansville	03322100	323	1960-85
WABASH RIVER BASIN			
Wabash River near New Corydon	03322500	262	1951-88
Wabash River at Bluffton	03323000	532	1930-71, 1987-92 (d)
~~Salamonie River at Portland~~	03324200	85.6	1959-93
~~Mississinewa River near Eaton (b)~~	03326000	310	1952-71
~~Wabash River at Delphi~~	03329500	4,072	1940-71
Tippecanoe River near Warsaw	03331000	126	1943-49
Tippecanoe River at Pulaski	03332000	1,089	1928-31
Little Indian Creek near Royal Center (a)	03332300	35.0	1959-73
Tippecanoe River at Buffalo (e)	03332345	1,285	1986-92
Big Monon Creek near Francesville (a)	03332400	152	1959-73
Tippecanoe River near Monticello (c)	03332500	1,732	1932-81
Rattlesnake Creek near Patton	03329400	6.83	1968-93
Wildcat Creek at Greentown	03333500	168	1945-61
Marshall Ditch near Montmorenci	03335677	1.58	1990-94
Indian Creek near Montmorenci	03335678	27.8	1990-94
Little Pine Creek at Green Hill	03335679	42.3	1990-94
Big Pine Creek near Williamsport	03335700	323	1955-87
East Fork Coal Creek near Hillsboro	03339108	33.4	1968-91
Coal Creek at Coal Creek	03339120	214	1965-72
Little Vermilion River near Newport	03339150	237	1965-72
Sugar Creek tributary near Deer Mill (b)	03339855	.45	1981
Sugar Creek near Byron (b)	03340000	670	1941-71
Big Raccoon Creek at Mansfield (d)	03341000	248	1939-58
Little Raccoon Creek near Catlin (d,g)	03341200	134	1957-71
Big Raccoon Creek near Mecca (d)	03341315	473	1988-92
Brouilletts Creek near Universal (b)	03341420	321	1966-71
North Coal Creek near Terre Haute	03341470	1.91	1974-76
Honey Creek near Riley (b)	03341570	5.79	1981
West Fork Busseron Creek near Hymera	03342150	14.4	1966-86
Mud Creek near Cass	03342244	9.16	1981-91
Mud Creek near Dugger	03342250	11.9	1966-81
Busseron Creek near Sullivan	03342300	138	1966-86
Buttermilk Creek near Paxton	03342350	16.5	1966-73
Buttermilk Creek near Sullivan	03342360	17.6	1975-78
South Fork Smalls Creek at Bruceville (b,g)	03342800	4.94	1972-75
White River at Anderson	03348000	406	1925-26, 1931-93
Killbuck Creek near Gaston	03348020	25.5	1968-91
Killbuck Creek near Anderson	03348100	97.8	1964-68
White River near Noblesville	03348500	828	1915-26, 1929-74 (b)
Cicero Creek near Arcadia (a)	03349500	131	1955-76

Station name	Station number	Drainage area (mi^2)	Period of record
WABASH RIVER BASIN--Continued			
Little Cicero Creek near Arcadia (a)	03349700	40.4	1956-76
Cicero Creek near Cicero	03350000	196	1946-54
Hinkle Creek near Cicero (a)	03350100	18.5	1956-76
Cicero Creek at Noblesville	03350500	216	1950-80, 1985-92
Sugar Creek near Middletown	03351400	5.80	1969-89
Lawrence Creek at Fort Benjamin Harrison	03352000	2.74	1952-56, 1958-69
Mud Creek at Indianapolis (a)	03352200	42.4	1958-76
Fall Creek at 16th St. at Indianapolis	03352875	317	1985-91
Pleasant Run at Brookville Road at Indpls.	03353160	10.1	1960-81
Bean Creek at Indianapolis	03353180	4.4	1970-93
White River at Waverly	03353660	2,026	1986-88
Beanblossom Creek at Beanblossom	03354500	14.6	1951-93
Bear Creek near Trevlac (a)	03355000	6.94	1952-73
Beanblossom Creek at Dolan	03356000	100	1946-78
Beanblossom Creek near Bloomington	03356500	112	1931-33
Big Walnut Creek at Greencastle	03357420	216	1975-82
Deer Creek near Putnamville	03359500	59.0	1955-65, 1968-72
Jordan Creek near Jordan (b)	03359980	25.9	1981
Driftwood River near Edinburgh	03363000	1,060	1940-91
Haw Creek near Clifford	03364200	47.5	1967-91
Sand Creek near Brewersville	03365000	155	1948-86
Graham Creek near Vernon	03366000	77.2	1955-73
Muscatatuck River near Austin	03367000	359	1932-43, 1944-71 (f)
Stucker Creek near Austin	03367500	127	1932-33
Vernon Fork near Crothersville	03370000	391	1932-33
Muscatatuck River near Tampico	03370500	960	1939
Muscatatuck River near Vallonia	03371000	1,134	1932-33
South Fork Salt Creek at Kurtz	03371600	38.2	1961-71, 1972-75 (e)
North Fork Salt Creek at Nashville (a)	03371650	76.1	1962-76
North Fork Salt Creek near Belmont	03372000	120	1946-71
Stephens Creek near Bloomington	03372300	10.9	1970-91
Clear Creek near Harrodsburg	03372700	55.2	1960-71
Salt Creek near Peerless	03373000	573	1939-50, 1957-71, 1971-84 (d)
Indian Creek near Springville (a)	03373200	60.7	1961-73
Lost River near West Baden Springs	03373700	287	1964-93
White River at Hazleton (h)	03374100	11,305	1928-38
Patoka River near Jasper (g)	03376000	348	1944-47
Flat Creek near Otwell	03376260	21.3	1965-82
Little Flat Creek near Otwell (b)	03376279	6.56	1981
South Fork Patoka River near Spurgeon	03376350	42.8	1964-86
STREAMS TRIBUTARY TO LAKE MICHIGAN			
Dunes Creek at Porter	04095050	3.40	1979-82
Burns Ditch at Gary (g)	04093500	160	1943-91
Salt Creek near McCool	04094500	74.6	1945-91
Derby Ditch at Beverly Shores	04095100	4.64	1980
Trail Creek at Michigan City	04095300	54.1	1969-94
Lime Lake outlet at Panama	04097970	17.5	1969-86
Fawn River at Orland	04098000	86.4	1943-47
Pigeon Creek and Hogback Lake near Angola	04099500	103	1946-74
Pretty Lake Inlet near Stroh	04099610	1.96	1963-80
Christiana Creek at Elkhart	04100000	127	1947-52
North Branch Elkhart River near Cosperville	04100220	134	1951-71
Turkey Creek at Syracuse	04100465	43.8	1969-87

Station name	Station number	Drainage area (mi^2)	Period of record
STREAMS TRIBUTARY TO LAKE ERIE			
St. Joseph River at Hursh	04178500	734	1950-54
St. Joseph River at Cedarville	04179000	763	1931-32, 1956-81
Cedar Creek near Auburn (a)	04179500	87.3	1943-73
Harber Ditch at Fort Wayne	04182590	21.9	1960-64 (g), 1961-64 (e), 1964-91
St. Marys River at Fort Wayne	04182700	810	1905-06
UPPER MISSISSIPPI RIVER BASIN			
Kingsbury Creek near LaPorte	05515400	7.08	1970-86
Yellow River near Bremen (a)	05516000	135	1955-73
Singleton Ditch near Hebron	05518500	34.2	1949-51
West Creek near Schneider	05519500	54.7	1948-52, 1954-72
Singleton Ditch at Illinoi, IL	05520000	220	1945-77
Oliver Ditch near Aix	05521500	79.6	1948-51
Iroquois River near North Marion	05522000	144	1948-93
Bice Ditch at South Marion	05523000	21.8	1948-93
Slough Creek near Collegeville	05523500	83.7	1948-52, 1953-82
Carpenter Creek at Egypt	05524000	44.8	1948-52, 1953-82

a Continued as a crest-stage and low-flow partial-record station through 1984.
b Some quality of water data available.
c Records of daily discharges furnished by Northern Indiana Public Service Company.
d Continued as a stage only station.
e Stage only station.
f High-water records only.
g Some record fragmentary.
h Some quality of water data available after station discontinued for stream-gaging records.

The following stations were discontinued as surface-water-quality stations. Records of temperature (T), specific conductance, pH, dissolved oxygen (C) or sediment (S) were collected and published for the record shown for each station. Discontinued short-term project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

Station name	Station number	Drainage area (mi^2)	Type of Record	Period of record
OHIO RIVER BASIN				
Whitewater River near Alpine	03275000	529	C,T,S	1987-94, 1968-79
East Fork Whitewater River at Abington	03275600	198	C T T	1969-76, 1970-71, 1973-76
East Fork Whitewater at Brookville	03276000	380	C,T	1974-75
Whitewater River at Brookville	03276500	1224	T C	1974-81, 1974-86
South Hogan Creek near Dillsboro	03276700	38.1	C,T,S	1961-93
Trib to Friday Branch at St. Meinard	03303276	.096	C,T,S	1980-81
WABASH RIVER BASIN				
Wabash River near New Corydon	03322500	262	C	1969-73
Wabash River at Huntington	03323500	710	T	1963-77
Salamonie Creek at Warren	03324288	402	T	1980-81
Mississinewa River at Marion	03326500	682	C,T	1975-76,79
Eel River near Logansport	03328500	789	S,T	1969-80
Wildcat Creek near Lafayette	03335000	794	C T	1970-79, 1970-74
Wabash River at Lafayette	03335500	7247	T T S	1954-64, 1967-75, 1978-80
Big Pine Creek at Williamsport	03335700	323	C T C,T,S	1970-76, 1970-75, 1980-81
Big Raccoon Creek near Fincastle	03340800	132	T C	1965-77, 1975-77
Honey Creek at Riley	03341570	5.79	C,T,S	1980-81
Wabash River near Sullivan	03341805	12,600	C,T	1963-64
Wabash River at Riverton	03342000	13,100	T T T	1954-61, 1962-65, 1967-78
South Fork Smalls Creek at Bruceville	03342800	4.94	C	1973-75
White River at Noblesville	03348500	814	T	1952-76
White River near Nora	03351000	1200	T T	1954-60, 1962-72
Big Walnut Creek at Greencastle	03357420	216	C,T	1973-77
Mill Creek at Cataract	03358000	245	C,T	1978-82
Jordan Creek at Jordan	03359980	25.9	C,T	1980-81
Big Blue River at Carthage	03361000	184	T C,T S C	1974-77, 1979-82, 1977-81, 1973-77
Flatrock River at St. Paul	03363500	303	C,T	1976-79
Clifty Creek at Hartsville	03364500	91.4	C,T	1970-75
East Fork White River at Seymour	03365500	2333	S T	1966-80, 1954-79
North Fork Salt Creek near Nashville	03371650	761	C,T	1974-76
Salt Creek near Harrodsburg	03372500	441	T	1966-76
White River at Petersburg	03374000	11125	T	1964-77
White River near Hazelton	03374100	11305	T S C	1973-81, 1973-83, 1973-86
Patoka River near English	03374470	308	T C	1970-76, 1969-76
Little Flat Creek near Otwell	03376279	6.36	C,T,S	1980-81
Wabash River at New Harmony	03378500	29234	T C S	1974-80 1974-86 1974-83
STREAM TRIBUTARY TO LAKE MICHIGAN				
Trail Creek near Michigan City	04095300	54.1	C,T S	1977-81 1990-94

Station name	Station number	Drainage area (mi^2)	Type of Record	Period of record
		STREAMS TRIBUTARY TO LAKE ERIE		
St. Joseph River near Newville	04178100	615	C	1969-73
St. Marys River at Wilshire	04181050	435	C	1969-73
St. Marys River near Ft Wayne	04182000	762	S T	1953-67, 1964-67
		UPPER MISSISSIPPI RIVER BASIN		
Yellow Creek near Plymouth	05516500	29.4	S,T	1979-81

WATER RESOURCES DATA - INDIANA, 1995

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State and Federal agencies, obtains a large amount of data pertaining to the water resources of Indiana each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the U.S. Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Indiana."

Water-resources data for the 1995 water year for Indiana consist of records of discharge, stage, and water quality of streams, and water levels of lakes and ground-water wells. This volume contains records for water discharge at 166 gaging stations, stage at 6 gaging stations, stage and contents at 1 reservoir, water quality at 1 stream site, water levels at 80 lakes, and water levels at 94 observation wells. Locations of the streamflow and water-quality sites, are shown on figures 5, and 6. The number of lakes and ground-water observation wells by county having 1995 water-level records are shown on figures 7, and 8. A systematic collection of stages on selected lakes was begun in 1943 in cooperation with the State of Indiana, Department of Natural Resources. The data collected since the beginning of record have not been published previously in the annual water data reports for Indiana. They are available from the Indiana District Office. A selected amount of lake data was published in Water-Supply Paper 1363, "Hydrology of Indiana Lakes," by J. I. Perrey and D. M. Corbett (1956). Additional lake data were published in Open-File Report 88-331, "Annual maximum and minimum lake levels for Indiana, water years 1942-85," by Kathleen K. Fowler (1988). These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Indiana.

This series of annual reports for Indiana began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantity and quality of surface and ground water.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Indiana were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage; and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." Stream discharge and stage data were published in four compilation reports (through the 1950, 1951-60, 1961-65, and 1966-70 water years). Data on water quality, temperature, and suspended sediment for the 1941

through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These official U.S. Geological Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report IN-95-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Every five years since 1950 the Geological Survey has compiled data on water use in the United States. During 1993, this effort was completed again for 1990 use in Indiana primarily through the auspices of the Water Management Branch, Division of Water, Indiana Department of Natural Resources. The Water Management Branch found that in 1990 more than 9 billion gallons per day were withdrawn from the surface- and ground-water resources of Indiana to meet the needs of its citizens. Approximately 93 percent of this withdrawal was from surface-water sources. Indiana used 2.48 billion gallons per day of fresh water for industrial use, more than any other state in the nation for this category. The largest category of use in Indiana was thermoelectric power production, for which 5.96 billion gallons per day were used.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (317) 290-3333.

COOPERATION

The U.S. Geological Survey and agencies of the State of Indiana have had cooperative agreements for the systematic collection of streamflow records since 1930, for ground-water levels since 1940, for lake stages since 1943, and for water-quality records since 1951. Organizations that supplied data are acknowledged in station manuscripts. Organizations that assisted in collecting data in this report through cooperative agreement with the U.S. Geological Survey are:

State of Indiana, Department of Natural Resources, Patrick R. Ralston, Director, through the Bureau of Water and Mineral Resources, Gary N. Doxtater, Deputy Director

State of Indiana, Department of Environmental Management, Kathy Prosser, Commissioner, Bernard Landman, Assistant Commissioner, Office of Water Management

State of Indiana, Department of Transportation, Fred C. P'Pool, Director

Assistance in the form of funds or services was given by the U.S. Army Corps of Engineers in collecting records for surface-water gaging stations published in this report.

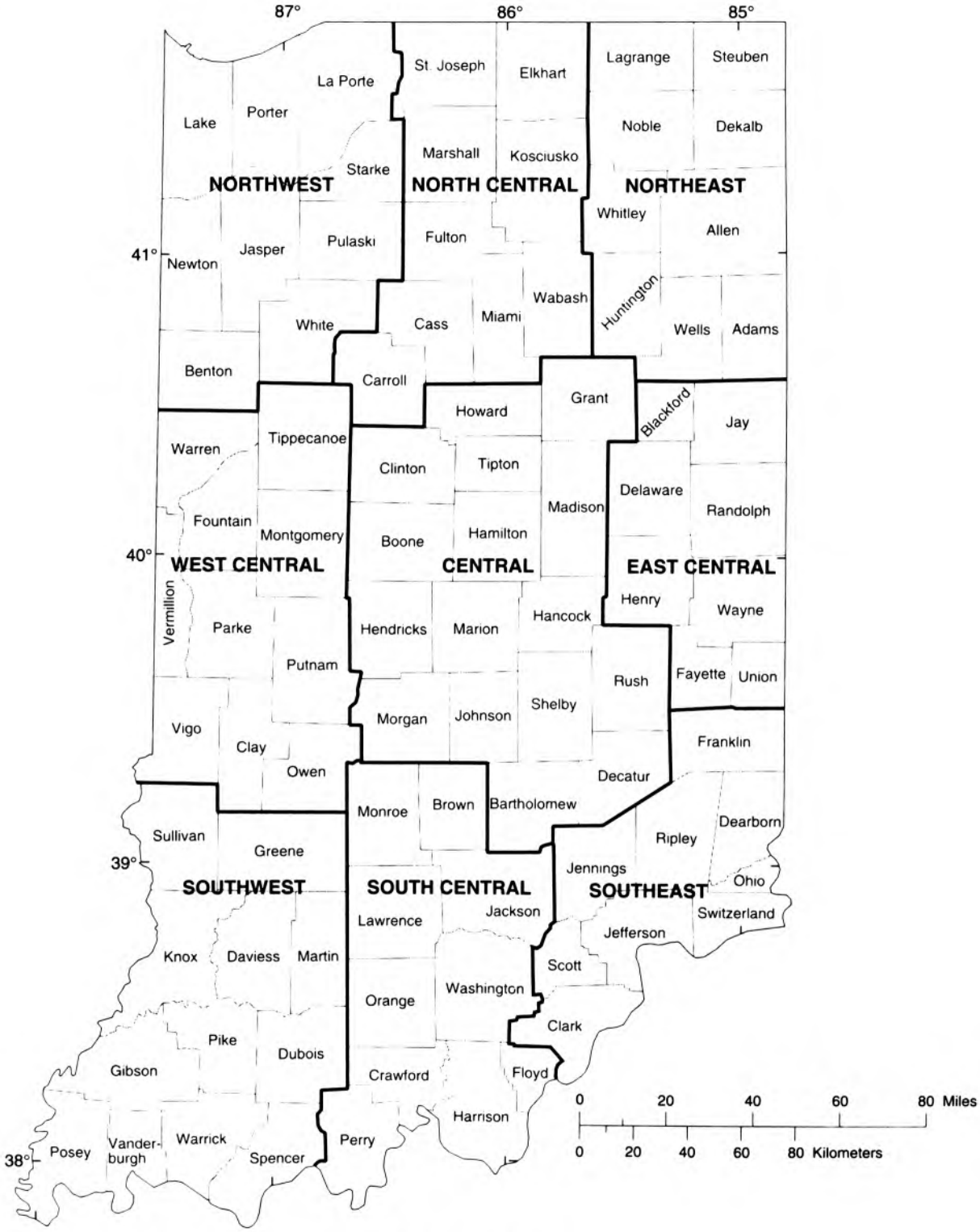
The following organizations aided in collecting records: The cities of Carmel, Columbus, Elkhart, Fort Wayne, Indianapolis, and Hoosier Energy; Indianapolis Water Co.; Indianapolis Power and Light Co.; Public Service Company of Indiana; Container Corporation of America; Prudential Insurance Co.; Northern Indiana Public Service Co.; Sheller-Globe Corp.

SUMMARY OF HYDROLOGIC CONDITIONS

Precipitation

The long-term (1961-90) average precipitation in Indiana ranges from about 36 inches in the northeast climactic division (Indiana's climatic divisions are shown in figure 1) to nearly 46.5 inches in the south-central climactic division (Ken Sheeringa, Indiana State Climatologist, written commun., 1995). Total precipitation for the 1995 water year was lower than the long-term average precipitation in the three northern and three central climatic divisions (figure 2). The total 1995 precipitation was 4 to 5 inches above the long-term average precipitation in the southwest and south-central climatic divisions; in the southeast climatic division the total 1995 precipitation was about one inch above the long-term average precipitation.

Monthly precipitation amounts for Indiana's climatic divisions during water year 1995, expressed as a percentage of the monthly long-term average precipitation for the period 1961-90, are shown in table 1. For 1995, significant departures in precipitation from the long-term average occurred in September, October, and May. October and September precipitation was well below the long-term average in all climatic divisions. In May, precipitation was significantly greater than the long-term average in all climatic divisions; in the three south climatic divisions the May precipitation was more than 200 percent of the long-term average precipitation.



Base from U.S. Geological Survey digital data 1:2,000,000 Albers Projection

EXPLANATION

—— Climatic division boundaries

Figure 1.--Climatic divisions in Indiana.

(Data from National Oceanic and Atmospheric Administration, 1994.)

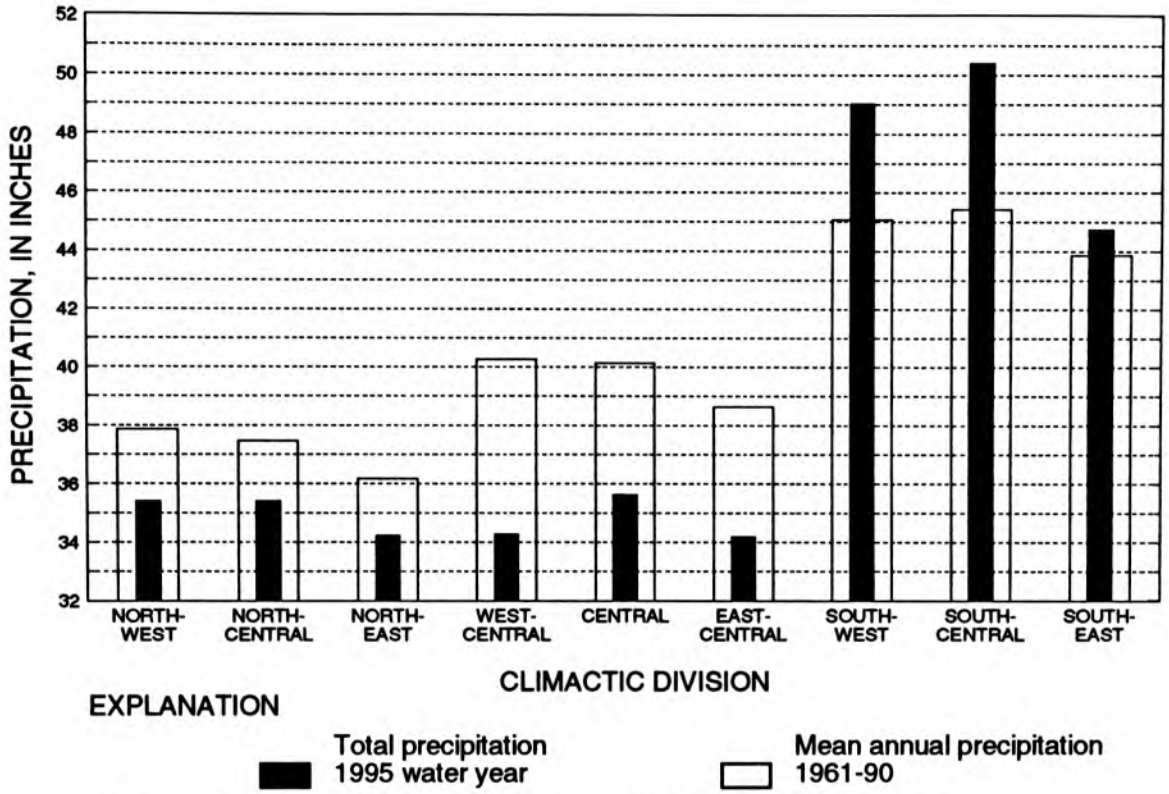


Figure 2.--Indiana precipitation during 1995 water year and mean annual precipitation for period 1961-90

Table 1.--Monthly precipitation during water year 1995 as a percentage of mean monthly precipitation for the period 1961-90

Climatic Division	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Northwest	63	170	80	154	55	89	139	142	103	67	101	25
North-central	49	140	73	135	51	86	123	130	107	86	115	24
Northeast	49	121	91	159	43	72	127	120	124	54	130	31
West-central	43	126	53	106	33	102	96	159	76	53	104	30
Central	40	119	61	130	38	84	104	155	110	74	103	43
East-central	32	108	72	141	38	60	112	160	110	72	75	45
Southwest	62	158	79	126	86	56	134	223	118	72	121	25
South-central	53	138	92	116	74	52	131	233	125	78	155	40
Southeast	60	114	97	125	56	52	112	226	73	80	145	47

Surface Water

Runoff patterns in Indiana vary with precipitation patterns across the State. Streamflows at three Indiana surface water index stations are indicative of the runoff occurring in the drainage basins above the stations. The three index station are Mississinewa River at Marion (03326500), East Fork White River at Shoals (03373500), and Wabash River at Mount Carmel, Illinois (03377500).

The index station Mississinewa River at Marion is located in Randolph County (the locations of all Indiana surface-water stations, including the index stations, are shown in figure 5), in the east-central climactic division. The drainage area above this station is 682 square miles. Mean monthly discharges at this station for the 1995 water year were greater than the long-term (1961-90) median monthly discharges for the months of January, May, June, July, and August. The remaining months of the 1995 water year, had mean discharges that were less than the long-term median monthly discharges. The mean discharge for the 1995 water year was below the long-term median annual discharge for this station, reflecting the generally lower than long-term average precipitation in the east-central climatic division. Mean discharges during the 1995 water year and long-term median discharges for Mississinewa River at Marion are compared in figure 3.

The East Fork White River at Shoals index station, which has above it a drainage area of 4,927 square miles, is located in Martin County, within the southwest climactic division. For the 1995 water year May, June, and August had mean discharges which were greater than the long-term median discharges. The remaining months had mean discharges which were less than or nearly equal to the long-term median discharges. The 1995 water year mean discharge was nearly equal to the long-term median annual discharge for East Fork White River at Shoals. While 1995 precipitation was greater than the long-term averages for 6 months, September, October, and March precipitation was much lower than the long-term average. Mean discharges during the 1995 water year and long-term median discharges for East Fork White River at Shoals are compared in figure 3.

The index station Wabash River at Mount Carmel is located in Illinois, adjacent to Gibson County of Indiana. It is in the same climactic division, the southwest, as the index station East Fork White River at shoals. The drainage area of the Wabash River at this location is 28,635 square miles, and includes a large portion of Indiana. The pattern of monthly mean discharges for water year 1995 is very similar to the East Fork White River. The mean discharge for the 1995 water year was less than but did not depart significantly from annual long-term median discharge. Mean discharges during the 1995 water year and long-term median discharges for the Wabash River at Mount Carmel are compared in figure 3.

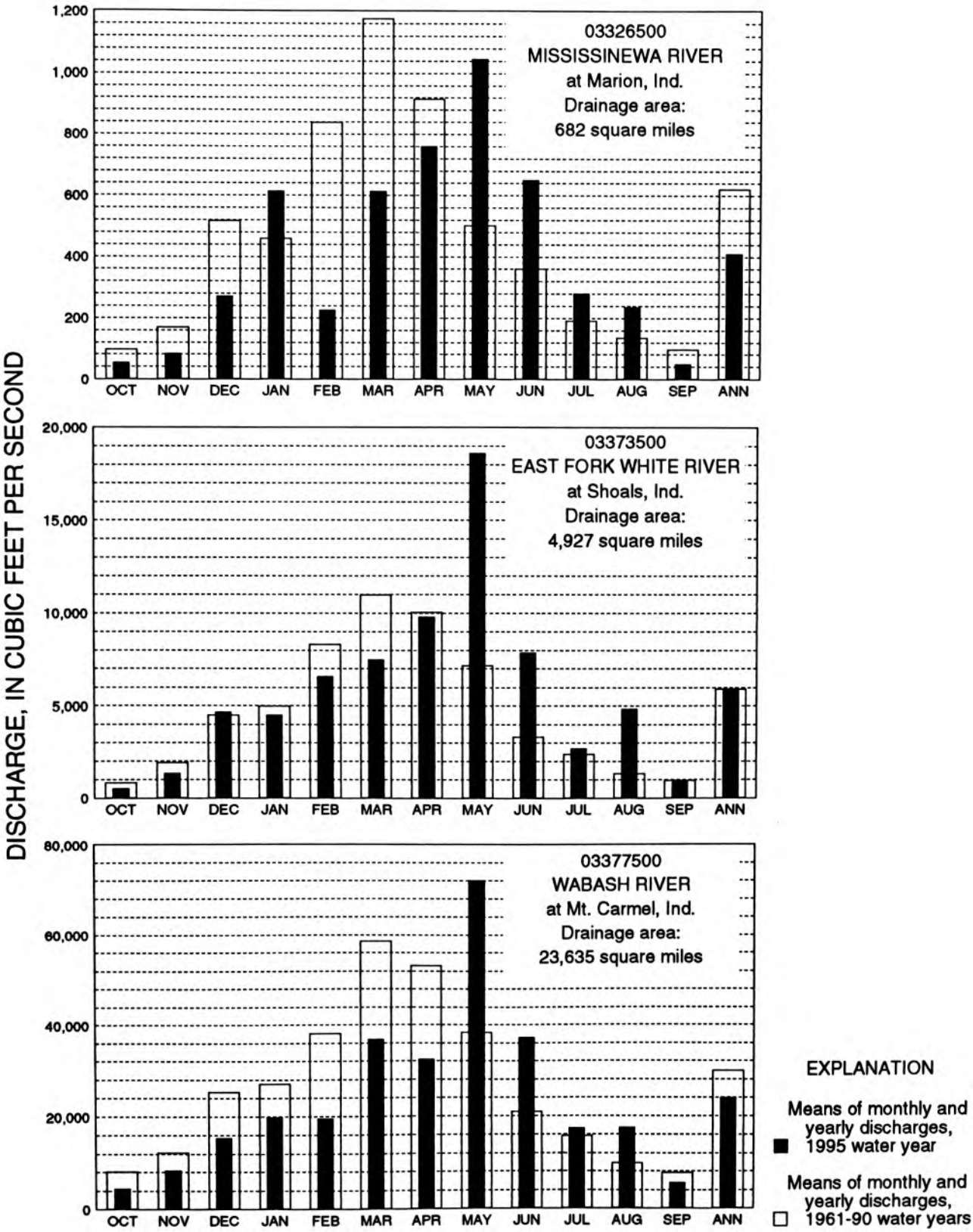


Figure 3. --Mean discharge at Indiana index stations during 1995 water year and median discharges for period 1961-90

Groundwater

Changes in ground-water levels are produced by natural influences such as precipitation and by man-made causes such as ground-water withdrawals. Generally, in Indiana, ground water levels follow a fairly consistent seasonal pattern, reaching annual high levels in late April or early May, and then beginning a slow but continuous decline throughout the summer. In the fall ground-water levels begin to rise with increasing precipitation and reductions in evapotranspiration. (Clark, 1980).

This seasonal pattern is generally followed over a relatively long period in three index ground-water observation wells in Indiana. The three wells are designated Elkhart 4, Decatur 2, and Martin 5. While the seasonal water level pattern is generally followed in the long term, levels can diverge significantly from the pattern in a given year.

The observation well Decatur 2 is located in a Devonian brown limestone aquifer, in the central climactic division. Generally, 1995 ground-water levels (in this discussion the term ground-water level(s) will refer to a height above an arbitrary datum; however, ground-water level data is normally quantified in terms of distance below a land-surface datum) were lower than normal (normal refers for ground-water level data for the period 1985-94), reflecting the lower than long-term average precipitation in the central climactic division. Monthly and annual mean of daily minimum ground-water levels for this observation well during the 1995 water year and for the period 1985-94 are shown in figure 4.

Martin 5 is located in a Pennsylvanian rock aquifer in the southwest climactic division of Indiana. The 1995 water year ground-water levels were generally lower than normal through May, and higher than normal from June to September. Monthly and annual mean of daily minimum ground-water levels for this observation well during the 1995 water year and for the period 1985-94 are shown in figure 4.

The index observation well Elkhart 4 is located in the north-central climactic division, in a sand and gravel aquifer. For 1995 water year, the normal seasonal pattern of ground-water levels was generally followed. The ground-water levels were lower than normal for the 1995 water year, reflecting the relatively dry water year in the north-central climatic division. Monthly and annual mean of daily minimum ground-water levels for this observation well during the 1995 water year and for the period 1985-94 are shown in figure 4 (note that ground-water levels in the figure are give in feet below land-surface datum).

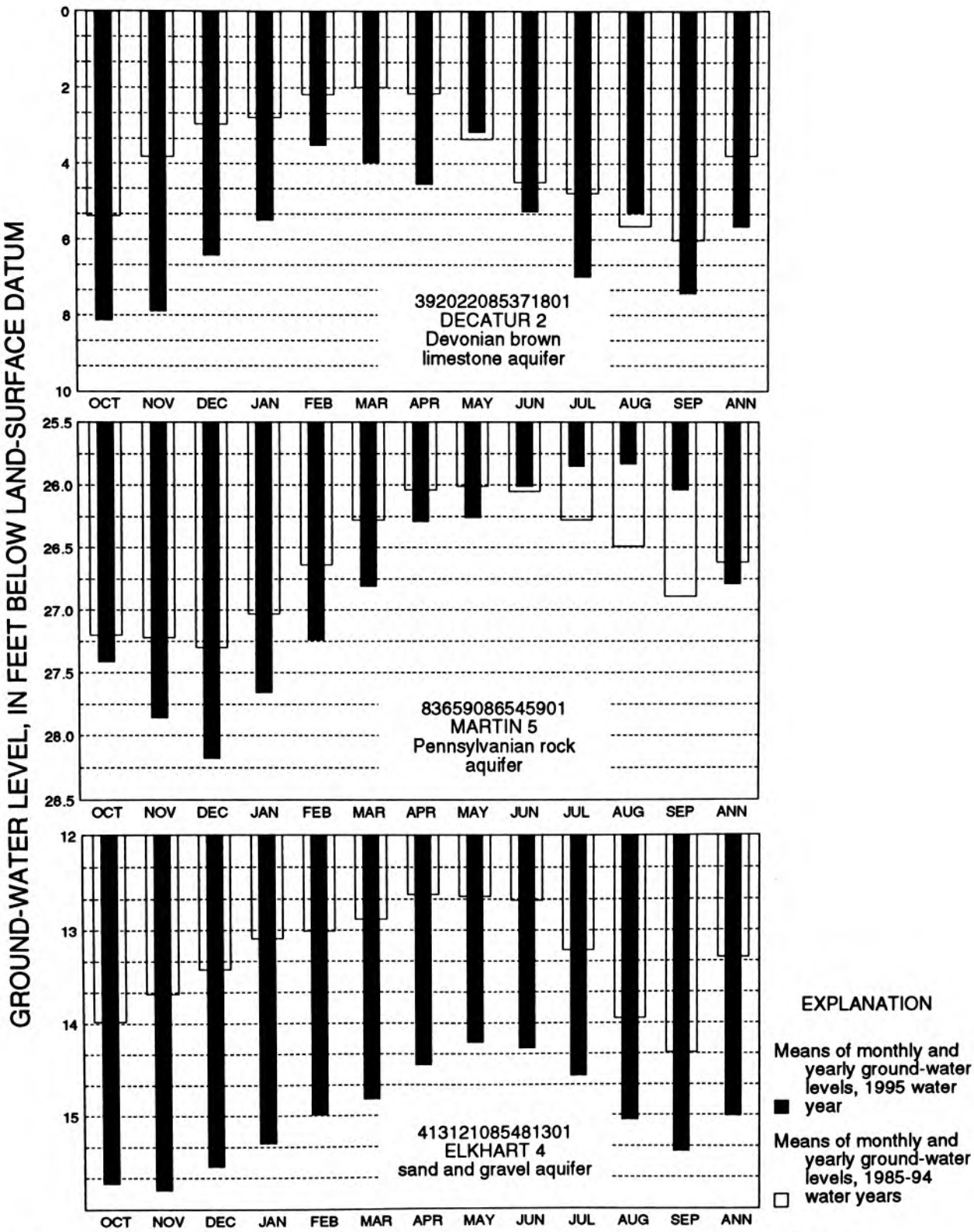


Figure 4. --Monthly and yearly mean of daily minimum ground-water levels at three Indiana ground-water observation wells during the 1995 water year and mean of monthly and yearly minimum ground-water levels for the period 1985-94

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 142 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesigned in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of wet atmospheric deposition, which includes snow, rain, sleet and hail. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Radiochemical Programs is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1995 water year that began October 1, 1994, and ended September 30, 1995. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow and stage data, stage and content data for a reservoir, water-quality data for surface water, and ground-water, lake-level data, peak-flow data, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and for surface-water stations where only miscellaneous measurements are made; the "latitude-longitude" system is used for wells.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in U.S. Geological Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 03335500, which appears just to the left of the station name, includes the 2-digit Part number "03" plus the 6-digit downstream-order number "335500." The Part number designates the major river basin; for example, Part "03" is the Ohio River basin.

Records in this report are in Part 03 (Ohio River basin), Part 04 (St. Lawrence River basin), and Part 05 (Upper Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

Latitude-Longitude System

The identification numbers for wells are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description.

In addition, each well in Indiana carries dual-identification numbers. The second system is by county name with a sequential number of the well; that is, number one is the first well in that county for which records were obtained.

Records of Surface-Water Stage and Discharge

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relations between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage, with digital recorders that punch stage values on paper tapes at selected time intervals, or with data collection platforms that store stage data electronically. Measurements of discharge are made with current meters or acoustic flow meters using methods adopted by the U.S. Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI), Book 3, Chap. A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) Logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the instantaneous stages (gage heights) to the stage-discharge curves or tables and then assigning the arithmetic mean. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a actor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations, the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM

sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts: the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of that monthly mean flow data for a designated period, by water year; and a summary statistics table includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages were determined by methods given in "River Mileage Measurement," Bulletin 14, revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because for these stations there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revise

after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges in the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month. the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are gives. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minium monthly flows are provided immediately below those figures. The designated period of will be expressed as "FOR WATER YEARS ____ - ____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____ - ____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water year for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL" 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the handing. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for seven consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "Estimated," or by listing the dates of the estimated record in the "REMARKS" paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square

mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes gage-height records, temperature measurements, and rating tables is on file in the Indiana District Office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the Indiana District Office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling usually is less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records," as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of cost, most data are obtained monthly or less frequently.

Records of surface-water quality in this report are for continuing-record stations only. These stations are part of the Hydrologic Bench-Mark Network or the National Stream Quality Accounting Network (NASQAN). Locations of stations for which records on the quality of surface water appear in this report are shown on figures 5 and 6.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records.

On-site Measurements and Sample Collection

The major concern in obtaining water-quality data is assuring that the data represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, specific conductance, alkalinity, and dissolved oxygen, are made on-site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can define adequately the water quality at a given time only if the mixture of solutes and sediment throughout the stream cross section is homogeneous. However, the concentration of solutes and sediment at different locations in the cross section can vary widely with different rates of water discharge, depending on the sources of the solutes and sediment, the turbulence and mixing of the stream, and other factors. Most streams must be sampled through several vertical sections using a depth-integrating sampler to obtain a representative sample. All samples obtained for the National Stream Quality Accounting Network and the Hydrologic Bench-Mark Network are obtained from at least several verticals.

NOTE: In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Correct sulfate values have been made by the laboratory and published in this report since April 17, 1989.

Laboratory Measurements

Specific conductance, pH, air and water temperatures, dissolved oxygen, barometric pressure, and alkalinity are measured on-site. Fecal coliform and fecal streptococci bacteria are analyzed in the Indiana District laboratory. Suspended sediment and particle-size distribution are analyzed in the U.S. Geological Survey laboratory in Louisville, Kentucky. All other samples are analyzed in the U.S. Geological Survey National Water-Quality Laboratory in Arvada, Colorado. Methods used to analyzing sediment samples and to compute sediment records are described in the TWRI Book 5, Chap. C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, and type of data available.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See "Data Presentation" under "Records of Stage and Water Discharge."

DRAINAGE AREA.--See "Data Presentation" under "Records of Stage and Water Discharge."

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S.Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

PRINTED OUTPUT	REMARK
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (nonideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted.)
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are with the range of 10's to 100's of nanograms per liter (ng/L). Present data above the µg/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994. Full implementation of the protocols took place during the 1995 water year.

Change in National Trends Network procedures

NOTE.--Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

Records of Lake Levels

Water-level data from a network of lake gaging stations are given in this report. These data are intended to provide a historical record of water-level changes in lakes where established average legal levels have been designated by the State. Numbers of lakes by county having current water-level records are shown on figure 7.

Data Collection and Computation

Measurements of water levels are made under varying conditions, but the methods are standardized to the extent possible. The equipment and measuring techniques used at each lake gage will ensure that the measurements are of consistent accuracy and reliability.

Tables of water-level data are presented by lake names arranged in alphabetical order. The prime identification number for a given lake is the "downstream-order" number previously discussed in this report and appears to the left of the lake name.

Lake-level records are obtained from direct measurement with a steel tape, from observation of steel staff gages, or from punched tape in a water-stage recorder. The water-level measurements in this report are given in feet above gage datum. Gage datum is a datum plane above the National Geodetic Vertical Datum of 1929. Water levels are reported to one-hundredth of a foot.

Data Presentation

Each lake record consists of two parts, the station description, and the data table of water levels observed during the year. The description of the lake gage is presented first through use of descriptive headings preceding the tabular data. Comments that follow clarify information presented under the various headings.

LOCATION.--See "Data Presentation" under "Records of Stage and Water Discharge."

SURFACE AREA.--This entry specifies the surface area of the lake at it's established legal level.

DRAINAGE AREA.--See "Data Presentation" under "Records of Stage and Water Discharge."

PERIOD OF RECORD.--This entry indicates the periods for which lake-level records at the site have been collected.

DATUM OF GAGE.--This entry indicates the datum of the current gage referred to sea level (see glossary).

GAGE.--The type of gage in current use and a condensed history of the types, locations, and datums of previous gages are given under this heading.

ESTABLISHED LEGAL LEVEL.--This entry indicates the average level in feet above gage datum and sea level at which the lake is to be maintained, the data of decree, and court specifying the decreed level.

LAKE-LEVEL CONTROL.--This entry indicates the type of structure used to maintain the lake level.

INLET AND OUTLET.--This entry, if appropriate, describes where surface inflow comes into the lake and where outflow departs. Some lakes may have neither inlets, outlets, nor both; in such cases parts or all of this heading may not appear.

EXTREMES FOR PERIOD OF RECORD.--Extremes include maximum and minimum levels and the dates of occurrence.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

A table of water levels follows the station description for each lake gage. Water levels are reported in feet above gage datum. Only abbreviated tables are published; water-levels at midnight (2400) are listed for every fifth day and at the end of the month (EOM). The highest and lowest 2400 levels with dates of occurrence and mean of the water year are shown on a line below the abbreviated table. Because all values are not published, the extremes may be values not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Levels

Only water-level data from a representative network of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the State's most important aquifers. Locations of the observation wells in this network in Indiana are shown on figure 8.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number.

Water-level records are obtained from direct measurements with a steel tape or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only one-hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to one-hundredth of a foot, but some are given to one-tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments that follow clarify information presented under the various headings of the well description.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds), a landline location designation, the hydrologic-unit number, the distance and direction from a geographic point of reference, and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) sea level; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells and may be used to acknowledge the assistance of local (non-U.S. Geological Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available but are not published by the U.S. Geological Survey may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

Tables of water levels follow the station description for each well. Water levels are reported in feet below land-surface datum. Only abbreviated tables are published; water-level highs and lows are listed for every fifth day and at the end of the month (EOM). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated tables. Because all values are not published, the extremes may be values that are not listed in the tables. Missing records are indicated by dashes in place of the water level. A hydrograph for a selected period of record follows water-level tables for selected stations.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that they consist of only one set of measurements for the water year. Ground-water quality is sampled immediately after installation and development of a new observation well. As new observation wells are usually installed late in the water year, records of ground-water quality are typically published in the first water year with complete records for ground-water levels.

Sample Collection and Analysis

Measurements of specific conductance, pH, water temperature, dissolved oxygen, and alkalinity are measured on-site. Other constituents and properties are analyzed in the U.S. Geological Survey National Water-Quality Laboratory in Arvada, Colorado. Methods used in collecting and analyzing ground-water-quality samples are given in TWRI, Book 1, Chap. D2, and Book 5, Chap. A1.

Data Presentation

Records of ground-water quality immediately follow records of ground-water levels.

ACCESS TO WATSTORE DATA

The U. S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National WATer Data STOrage and REtrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the

activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia and consists of related filed and data bases.

- ★ Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S.Geological Survey collects or has collected data.

- ★ Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.

- ★ Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow gage-heights values at surface-water sites.

- ★ Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface- and ground-water.

- ★ Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Divisions's District offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Also, see table for converting English units to International System (SI) units on the inside of the back cover.

Acre-foot (AC-FT, ac-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and thread-like in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C ± 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms which produce red or pink colonies within 48 hours at 35 °C ± 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Bottom material: See Bed material.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloro-platinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream, canal, or lake that is used to regulate the flow or stage or to prevent the intrusion of salt water.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

Cubic feet per second per square mile [$(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calender year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Dissolved refers to that material in a representative water sample which passes through a 0.45-micron (µm) membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per gram (µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific coasts, it does not necessarily represent local mean sea level at any particular place.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The U.S. Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation
Silt.....	.004 - .062	Sedimentation
Sand.....	.062 - 2.0	Sedimentation or sieve
Gravel.....	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7 x 1010 radioactive disintegrations per second (dpm). A picocurie yields 2.22 dpm.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

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.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: Concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

7-day 10-year low flow (7 Q^{10}) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff," as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is the part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-µm filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-µm membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of: (1) Dissolved; and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-µm membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of: (1) Dissolved; and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1985, is called the "1985 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

Table 2.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})	0.11119	Iodide (I^{-1})	0.00788
Ammonia as NH_4^{+1}	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1}	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})*	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Fluoride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Table 3.--Factors for conversion of sediment concentrations in milligrams per liter to parts per million*
(All values calculated to three significant figures)

Range of concen-tration in 1,000 mg/L	Divide by	Range of concen-tration in 1,000 mg/L	Divide by	Range of concen-tration in 1,000 mg/L	Divide by	Range of concen-tration in 1,000 mg/L	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05 - 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-508	1.31	700-715	1.44
88.5 - 104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 - 120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 - 136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 - 152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 - 169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 - 185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 - 200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 mg/L and a specific gravity of sediment of 2.65.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

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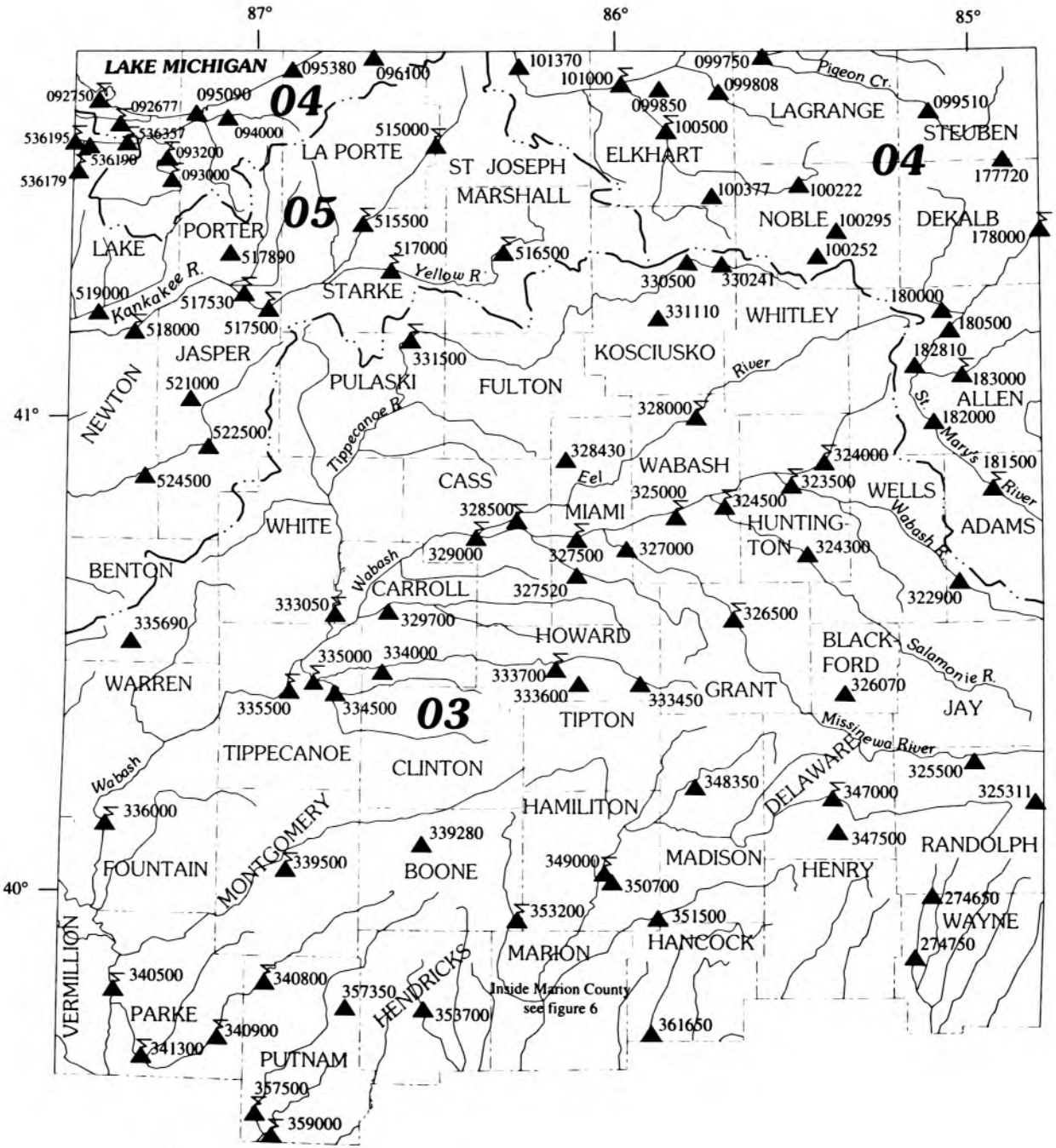
87°
86°
85°
41°
40°
LAKE MICHIGAN
04
05
03
04
LA PORTE
ST JOSEPH
ELKHART
LAGRANGE
STEUBEN
MARSHALL
NOBLE
DEKALB
PORTER
LAKE
STARKE
WHITLEY
JASPER
PULASKI
FULTON
KOSCIUSKO
NEWTON
ALLEN
CASS
WABASH
WELLS
MIAMI
HUNTING-
TON
ADAMS
WHITE
BENTON
CARROLL
HOWARD
BLACK-
FORD
WARREN
GRANT
JAY
TIPTON
TIPPECANOE
CLINTON
DELAWARE
HAMILITON
MONTGOMERY
FOUNTAIN
BOONE
MADISON
HENRY
RANDOLPH
WAYNE
HANCOCK
MARION
HENDRICKS
VERMILLION
PARKE
PUTNAM
Inside Marion County
see figure 6
Pigeon Cr.
Yellow R.
Kankakee R.
Tippecanoe R.
Eel
Wabash
Wabash R.
St. Mary's River
Salamonie R.
Missinewa River
092750
092677
095090
094000
093200
093000
536195
536357
536190
536179
095380
096100
515000
515500
517000
516500
517890
517530
517500
519000
518000
521000
522500
524500
331500
101370
101000
099850
100500
099750
099808
099510
177720
100377
100222
100295
100252
178000
330500
330241
331110
180000
180500
182810
183000
182000
181500
328000
328430
324000
323500
325000
324500
328500
329000
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324300
322900
327520
326500
333050
329700
335690
335000
334000
333700
333600
333450
326070
335500
334500
325500
348350
347000
325311
336000
339280
347500
339500
349000
350700
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359000

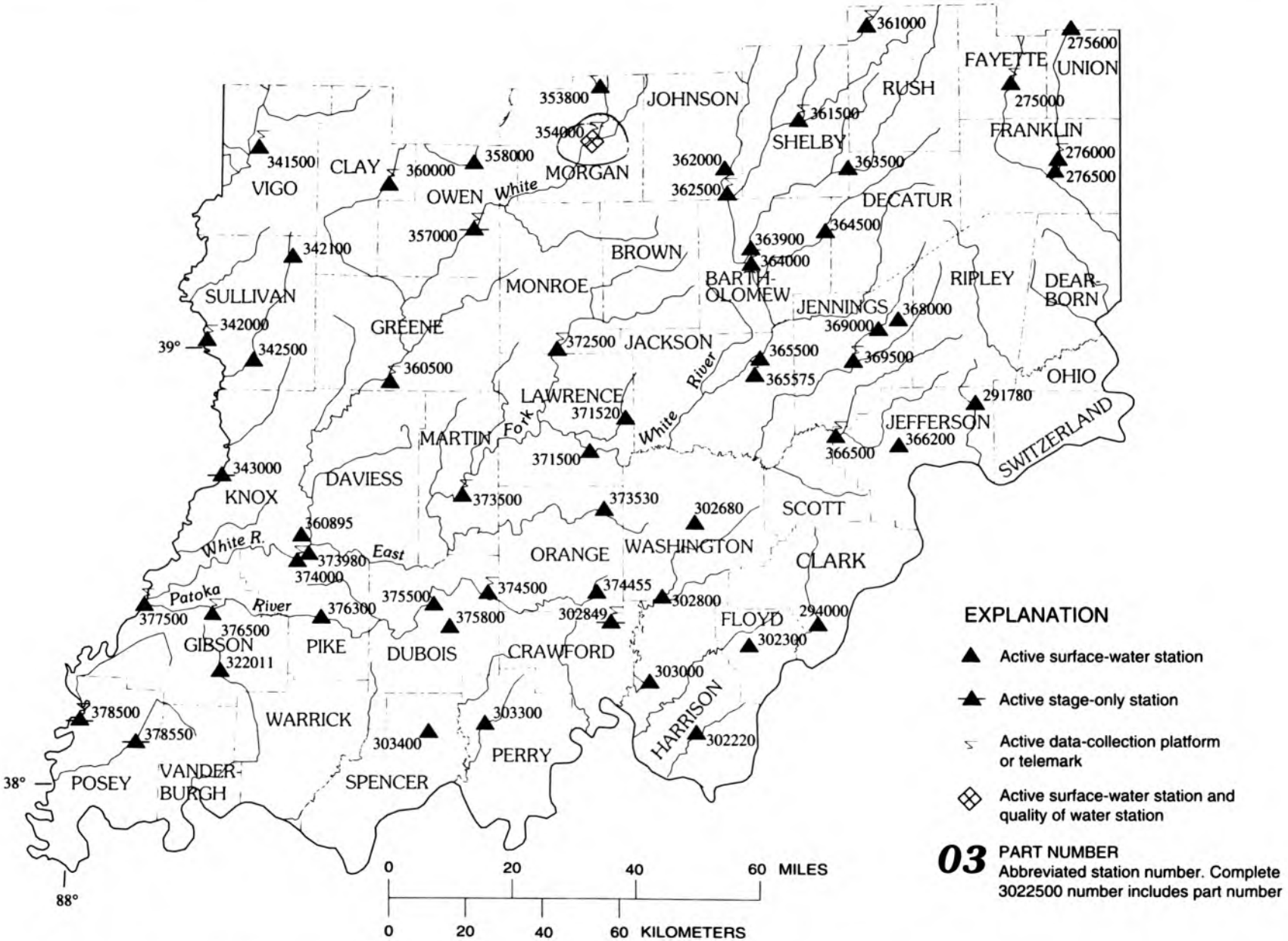
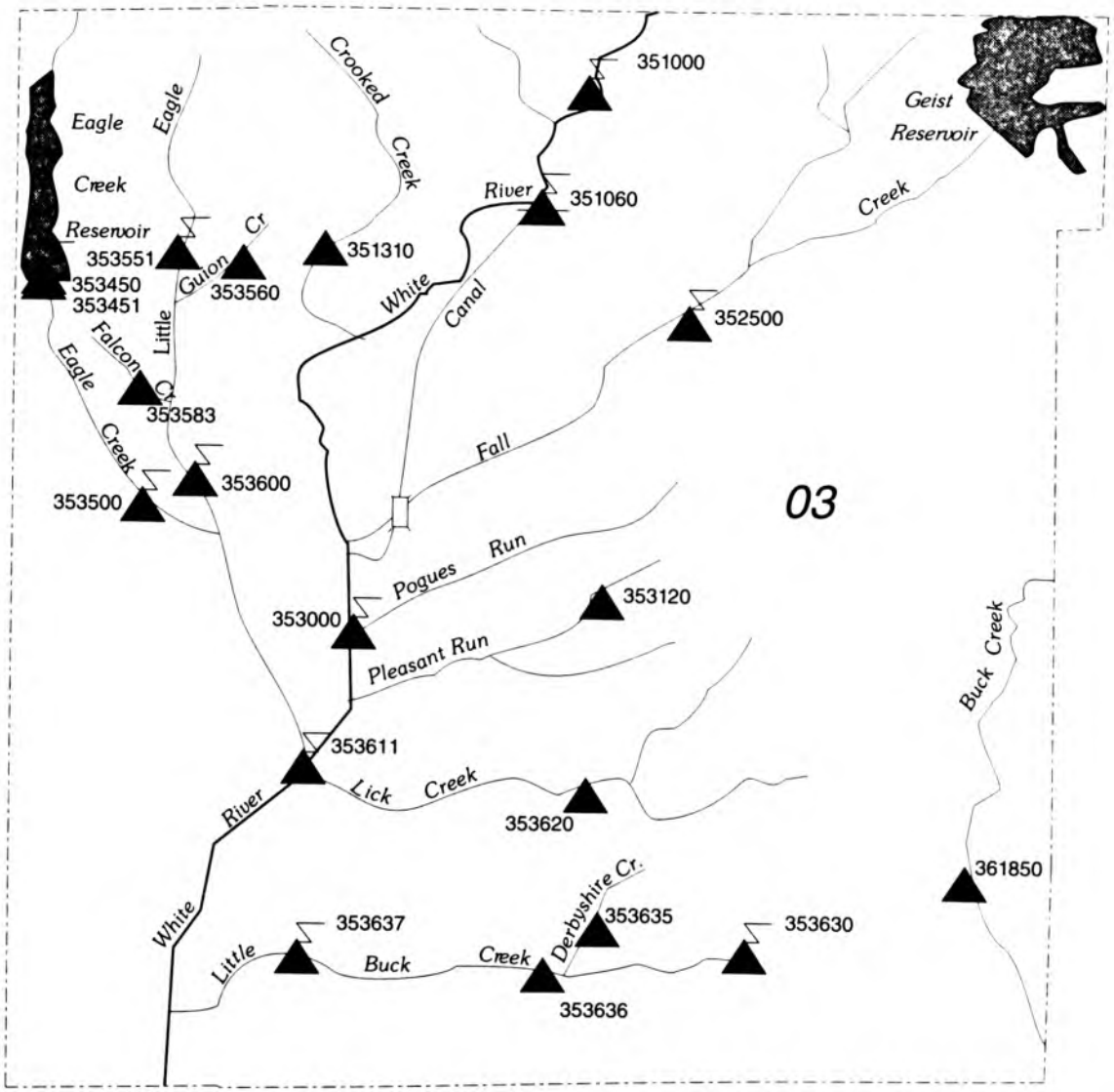


Figure 5.--Location of streamflow and water-quality gaging stations in Indiana.



Base from U.S. Geological Survey digital data 1:2,000,000 Albers Projection

0 1 2 3 4 5 MILES

0 1 2 3 4 5 KILOMETERS

EXPLANATION

Active stage-only station

Active surface-water station

Active data-collection platform or telemark

03 PART NUMBER
Abbreviated station number: complete 302500 number includes part number

Figure 6.--Locations of streamflow gaging stations in Marion County.

03274650 WHITEWATER 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 15 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^2.
PERIOD OF RECORD.--October 1970 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1,066.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	.94	1.7	3.1	8.0	3.7	5.1	14	28	1.1	.59
2	1.0	1.0	.85	e1.6	3.4	5.6	3.6	5.0	14	13	1.1	.63
3	.95	.96	.84	e1.4	3.6	4.8	3.6	4.3	14	8.8	1.1	.59
4	.95	1.0	.83	e1.3	3.6	4.2	3.6	4.4	12	6.9	1.1	.52
5	.99	1.4	1.0	e1.2	e2.9	4.7	3.5	4.4	12	5.8	1.7	.50
6	.88	1.5	1.0	e1.2	e2.6	6.6	3.6	4.2	11	4.7	1.8	.51
7	.84	1.3	1.1	e1.1	e2.4	86	3.5	4.1	9.7	3.9	1.3	.61
8	.88	1.2	1.3	e1.1	e2.3	59	3.6	4.0	8.9	3.3	1.2	.59
9	1.1	1.3	2.4	e1.2	e2.2	25	12	4.3	8.2	3.1	1.1	.64
10	1.0	1.4	3.6	e1.3	e2.0	19	9.2	4.0	8.2	3.1	1.1	.57
11	1.0	1.3	3.6	2.8	e1.9	14	7.2	3.8	8.0	2.8	.94	.51
12	.99	1.2	2.5	9.0	e1.8	9.5	12	3.6	7.7	2.6	.96	.53
13	.98	1.1	2.3	6.2	e1.7	7.4	8.5	3.5	7.2	2.5	.92	.53
14	1.0	1.1	2.3	10	e1.7	6.4	6.3	14	6.9	2.2	.90	.62
15	1.0	1.0	2.5	17	e1.6	5.8	5.6	7.1	6.7	2.2	.89	.59
16	.94	.97	3.2	8.2	e1.9	5.4	5.1	5.6	6.5	2.3	.89	.62
17	.92	.94	6.8	5.7	e3.0	4.8	4.8	9.6	6.3	2.0	.86	.67
18	.94	.94	4.1	4.6	5.3	4.5	5.1	244	6.0	1.8	.87	.62
19	1.0	.94	3.0	4.8	5.9	4.5	4.8	385	6.1	1.7	.85	.60
20	.98	.94	2.8	18	6.8	4.6	4.9	88	6.0	1.7	.82	.76
21	1.1	.99	2.5	14	6.5	6.8	100	47	6.2	1.8	.82	.75
22	1.1	.94	2.3	7.6	4.9	5.5	28	35	6.0	1.7	.79	.71
23	1.0	.94	2.2	5.9	5.1	5.0	17	30	8.6	1.7	.70	.79
24	1.1	.94	2.1	5.1	4.9	4.3	15	25	6.8	1.7	.65	.73
25	1.1	.95	1.9	e4.7	4.1	4.0	11	32	6.2	1.8	.66	.76
26	1.0	.94	1.8	e4.3	4.0	4.0	8.7	23	6.0	2.1	.66	.66
27	1.0	1.3	1.8	e3.8	4.2	4.5	7.2	19	6.0	1.6	.64	.68
28	1.0	1.9	1.8	e3.5	13	4.6	6.1	26	6.4	1.5	.67	.81
29	.95	1.3	1.7	e3.3	---	4.2	5.8	28	15	1.4	.63	.80
30	.96	1.0	1.6	3.1	---	4.0	5.6	19	73	1.2	.64	.89
31	1.0	---	1.7	3.0	---	3.9	---	16	---	1.2	.62	---
TOTAL	30.75	33.79	68.36	157.7	106.4	340.6	318.6	1108.0	319.6	120.1	28.98	19.38
MEAN	.99	1.13	2.21	5.09	3.80	11.0	10.6	35.7	10.7	3.87	.93	.65
MAX	1.1	1.9	6.8	18	13	86	100	385	73	28	1.8	.89
MIN	.84	.94	.83	1.1	1.6	3.9	3.5	3.5	6.0	1.2	.62	.50
CFSM	.10	.11	.21	.49	.37	1.06	1.02	3.44	1.02	.37	.09	.06
IN.	.11	.12	.24	.56	.38	1.22	1.14	3.96	1.14	.43	.10	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	3.94	11.8	13.2	12.2	18.6	20.6	17.8	12.4	8.33	7.27	4.98	3.36
MAX	39.9	67.0	39.7	33.0	56.0	41.6	38.0	42.6	22.4	27.5	61.5	32.2
(WY)	1987	1994	1978	1975	1985	1978	1989	1989	1973	1979	1979	1989
MIN	.46	.45	.51	.33	3.31	2.58	2.96	1.47	1.03	.57	.41	.40
(WY)	1992	1972	1977	1977	1978	1981	1971	1988	1977	1977	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	2299.62		2652.26			
ANNUAL MEAN	6.30		7.27		11.2	
HIGHEST ANNUAL MEAN					18.8	1979
LOWEST ANNUAL MEAN					3.26	1977
HIGHEST DAILY MEAN	253	Jan 28	385	May 19	647	Nov 14 1993
LOWEST DAILY MEAN	.67	Sep 7	.50	Sep 5	.22	Sep 1 1988
ANNUAL SEVEN-DAY MINIMUM	.72	Sep 7	.56	Sep 5	.24	Nov 9 1991
INSTANTANEOUS PEAK FLOW			997	May 18	1120	Nov 14 1993
INSTANTANEOUS PEAK STAGE			8.55	May 18	8.91	Nov 14 1993
ANNUAL RUNOFF (CFSM)	.61		.70		1.07	
ANNUAL RUNOFF (INCHES)	8.23		9.49		14.58	
10 PERCENT EXCEEDS	9.1		12		25	
50 PERCENT EXCEEDS	2.5		2.5		3.9	
90 PERCENT EXCEEDS	.90		.79		.74	

e Estimated

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 Nettle Creek, 2.6 mi south of Hagerstown, and at mile 84.9.
DRAINAGE AREA.--58.7 mi².
PERIOD OF RECORD.--October 1970 to current year.
GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above sea level (Indiana Flood Control and Water Resources Commission bench mark).
REMARKS.--Records fair except for estimated daily discharges, which are poor. Gage was removed for bridge construction from Aug. 7, 1995 through remainder of year, records were estimated.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	22	18	10	e21	42	32	44	84	88	e17	e12
2	13	19	17	9.3	e21	32	32	43	101	53	e16	e11
3	12	e16	17	e8.0	e22	28	33	40	90	43	e15	e11
4	12	21	16	e7.3	24	26	34	40	77	39	e22	e11
5	12	29	18	e7.0	e20	28	33	38	72	37	e25	e12
6	13	30	17	e7.0	e17	32	33	36	67	35	e37	e11
7	12	24	17	e6.9	e16	364	32	36	62	32	e24	e12
8	12	e19	15	e6.9	e15	315	33	35	58	29	e21	e10
9	13	27	23	e7.1	e14	114	161	38	55	28	e18	e14
10	12	31	36	7.8	e13	91	74	37	54	e29	e17	e12
11	e11	26	37	16	e12	77	59	37	52	e25	e16	e10
12	e11	e20	27	51	e12	64	69	35	51	e24	e15	e9.5
13	12	e19	22	31	e12	56	61	35	48	e23	e16	e9.8
14	12	e20	20	64	e12	52	51	138	45	e21	e14	e13
15	12	22	18	112	e12	48	45	64	43	e21	e13	e10
16	11	15	24	60	e13	44	42	50	41	e24	e13	e11
17	11	16	45	44	27	41	41	76	40	e20	e14	e17
18	11	17	28	36	31	39	42	846	39	e18	e15	e13
19	12	17	20	37	37	38	40	1200	38	e17	e13	e12
20	12	17	17	95	40	39	41	296	38	e16	e12	e19
21	e11	18	16	83	39	43	578	173	40	e16	e12	e13
22	e11	16	15	57	30	40	138	126	38	e18	e11	e13
23	12	e16	14	46	30	39	92	105	38	e21	e11	e17
24	13	e15	13	e35	28	36	89	96	37	e25	e11	e16
25	14	e15	12	e32	25	34	76	458	35	e21	e10	e12
26	13	e15	12	e28	24	33	65	162	34	e20	e10	e11
27	e12	23	12	e26	25	37	58	110	34	e28	e10	e14
28	e12	34	11	e24	51	36	52	245	34	e40	e10	e14
29	e12	22	11	e23	---	34	47	206	35	e22	e11	e15
30	e12	19	10	e22	---	33	46	115	133	e20	e12	e16
31	15	---	10	e21	---	32	---	94	---	e17	e12	---
TOTAL	377	620	588	1020.3	643	1967	2229	5054	1613	870	473	381.3
MEAN	12.2	20.7	19.0	32.9	23.0	63.5	74.3	163	53.8	28.1	15.3	12.7
MAX	15	34	45	112	51	364	578	1200	133	88	37	19
MIN	11	15	10	6.9	12	26	32	35	34	16	10	9.5
CFSM	.21	.35	.32	.56	.39	1.08	1.27	2.78	.92	.48	.26	.22
IN.	.24	.39	.37	.65	.41	1.25	1.41	3.20	1.02	.55	.30	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	30.5	59.3	75.8	71.8	101	114	108	81.7	55.7	51.1	38.4	25.1
MAX	188	235	205	170	233	224	189	196	114	219	312	121
(WY)	1987	1994	1978	1975	1975	1973	1972	1990	1980	1979	1979	1989
MIN	11.6	12.1	12.0	8.48	23.0	25.6	28.0	23.0	14.6	8.18	8.56	8.37
(WY)	1977	1977	1977	1977	1995	1981	1971	1988	1977	1977	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	18387		15835.6			
ANNUAL MEAN	50.4		43.4		67.4	
HIGHEST ANNUAL MEAN					117	1979
LOWEST ANNUAL MEAN					25.4	1977
HIGHEST DAILY MEAN	1280	Jan 28	1200	May 19	1880	Feb 23 1975
LOWEST DAILY MEAN	10	Sep 23	6.9	Jan 7	5.3	Aug 5 1977
ANNUAL SEVEN-DAY MINIMUM	11	Sep 17	7.1	Jan 4	5.9	Jul 31 1977
INSTANTANEOUS PEAK FLOW			1830	May 19	2310	Jul 23 1992
INSTANTANEOUS PEAK STAGE			10.21	May 19	11.52	Nov 14 1993
ANNUAL RUNOFF (CFSM)	.86		.74		1.15	
ANNUAL RUNOFF (INCHES)	11.65		10.04		15.60	
10 PERCENT EXCEEDS	79		75		123	
50 PERCENT EXCEEDS	31		24		37	
90 PERCENT EXCEEDS	12		11		14	

e Estimated

03275000 WHITEWATER RIVER NEAR ALPINE, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°34'23", long 85°09'27", in SW¼SE¼ sec.14, T.13 N., R.12 E., Fayette County, Hydrologic Unit 05080003, on right bank 500 ft downstream from highway bridge, 0.4 mile downstream from Wilson Creek, 1.6 mile northeast of Alpine, 4.6 mile upstream from Bear Creek, and at mile 54.3.
DRAINAGE AREA.--529 mi^2.
PERIOD OF RECORD.--October 1928 to current year. Prior to October 1936, published as West Fork Whitewater River near Alpine.
REVISED RECORDS.--WSP 1143: 1943-44(M), 1947 (M). WSP 1335: 1929-30, 1932(M), 1938, 1946-47(m), 1949-50. WSP 1505: 1942(P). WSP 1908: 1937(M), 1944, 1949(M), drainage area. WDR IN-79-1: 1975 (P).
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 750.19 ft above sea level. Prior to Nov. 9 1928, nonrecording gage at same site and datum. Oct. 1, 1982 to June 30, 1993, at site 0.5 mile upstream at same datum.
REMARKS.--Records good except for estimated daily dischages, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	82	143	151	e235	580	260	586	816	653	192	116
2	102	81	139	146	e240	478	252	649	1010	453	185	114
3	99	81	133	143	e225	391	242	555	1340	370	176	111
4	98	81	127	e124	e214	346	256	511	880	341	180	109
5	96	84	126	e114	e204	330	235	501	724	329	1150	110
6	95	89	126	e116	e194	360	228	453	639	317	988	109
7	93	95	126	e118	e183	572	225	416	633	306	471	108
8	93	96	126	e120	e176	3970	223	392	568	263	362	121
9	93	107	128	e122	e170	2340	318	791	524	248	295	119
10	93	134	159	e126	e160	1520	595	811	481	238	255	117
11	92	134	254	156	e155	1160	431	713	458	227	225	115
12	91	134	277	364	e149	896	425	561	448	220	205	111
13	91	133	241	457	e144	702	542	590	411	211	189	116
14	91	131	212	399	e140	591	430	3220	383	201	178	114
15	91	128	193	804	e160	517	360	1820	357	540	171	109
16	90	128	191	920	e210	470	327	1110	336	388	164	107
17	90	124	292	597	e290	430	319	4920	321	312	158	107
18	90	119	423	449	399	392	309	7230	308	244	162	108
19	90	115	324	380	469	368	297	9290	296	216	158	106
20	89	113	268	601	524	359	294	5790	403	203	155	107
21	88	112	237	987	542	365	4220	2680	714	203	150	107
22	87	111	217	788	478	335	4300	1720	649	200	144	108
23	87	109	203	592	414	345	1950	1330	418	249	139	105
24	87	106	192	e390	390	318	2020	1200	451	288	135	103
25	87	106	183	e300	354	292	1450	2120	574	231	133	103
26	85	105	177	e270	325	277	1140	3140	437	216	129	103
27	84	113	171	e250	316	301	933	1550	393	381	125	103
28	84	142	165	e240	389	310	774	1790	685	304	122	101
29	83	144	161	e230	---	288	664	2410	462	236	121	98
30	82	144	155	e220	---	277	622	1510	426	208	120	98
31	82	---	151	e226	---	268	---	1040	---	195	118	---
TOTAL	2809	3381	6020	10900	7849	20148	24641	61399	16545	8991	7455	3263
MEAN	90.6	113	194	352	280	650	821	1981	551	290	240	109
MAX	106	144	423	987	542	3970	4300	9290	1340	653	1150	121
MIN	82	81	126	114	140	268	223	392	296	195	118	98
CFSM	.17	.21	.37	.66	.53	1.23	1.55	3.74	1.04	.55	.45	.21
IN.	.20	.24	.42	.77	.55	1.42	1.73	4.32	1.16	.63	.52	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

MEAN	191	360	552	811	874	1007	978	732	487	364	245	177
MAX	1685	1978	2531	4409	2639	2522	2359	2253	2314	1777	2342	920
(WY)	1987	1994	1991	1937	1950	1963	1964	1933	1958	1979	1979	1989
MIN	47.1	49.8	50.6	58.9	56.9	120	122	70.0	68.9	61.1	61.3	50.3
(WY)	1935	1935	1935	1935	1935	1935	1941	1941	1934	1934	1988	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1929 - 1995	
ANNUAL TOTAL	187933		173401			
ANNUAL MEAN	515		475		563	
HIGHEST ANNUAL MEAN					1001	1979
LOWEST ANNUAL MEAN					117	1941
HIGHEST DAILY MEAN	9620	Jan 28	9290	May 19	26300	Mar 5 1963
LOWEST DAILY MEAN	81	Nov 2	81	Nov 2	30	Aug 6 1934
ANNUAL SEVEN-DAY MINIMUM	82	Oct 29	82	Oct 29	33	Aug 2 1934
INSTANTANEOUS PEAK FLOW			9550	May 19	37100	Jan 14 1937
INSTANTANEOUS PEAK STAGE			13.85	May 19	19.70	Dec 31 1990
ANNUAL RUNOFF (CFSM)	.97		.90		1.06	
ANNUAL RUNOFF (INCHES)	13.22		12.19		14.46	
10 PERCENT EXCEEDS	919		886		1140	
50 PERCENT EXCEEDS	250		235		275	
90 PERCENT EXCEEDS	95		98		86	

e Estimated

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN

LOCATION.--Lat 39°43'59", long 84°57'35", in NE$^1/_4$SW$^1/_4$ sec.2, T.12 N., R.2 W., Wayne County, Hydrologic Unit 05080003, 15 ft downstream 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^2.
PERIOD OF RECORD.--October 1965 to current year.
REVISED RECORDS.--WSP 2108: Drainage area. WDR IN-90-1: 1966(M), 1967-75(P), 1976-77(M), 1978-79(P), 1982(P), 1987(P), 1989(P).
GAGE.--Water-stage recorder. Datum of gage is 791.00 ft above sea level. Prior to Aug. 2, 1991 at site 250 ft downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	73	30	41	e86	287	114	315	280	173	49	23
2	26	44	26	35	e90	214	109	379	401	117	130	20
3	26	37	23	30	e84	173	106	328	378	99	126	20
4	26	35	20	e21	e80	147	112	307	299	103	71	19
5	28	88	35	e19	e76	150	99	303	263	94	311	20
6	29	111	26	e18	e72	189	99	275	243	87	612	21
7	29	58	33	e20	e70	378	98	252	222	81	268	22
8	28	45	29	e21	e68	1080	97	240	205	67	210	35
9	43	89	93	e23	e66	647	235	424	192	62	176	33
10	30	151	172	e24	e62	494	198	508	182	62	134	28
11	28	84	268	e70	e60	469	152	525	172	57	104	25
12	26	64	179	305	e56	376	289	400	177	52	83	25
13	25	53	127	276	e52	301	257	366	161	48	70	30
14	30	47	101	248	e50	251	188	1130	150	42	63	30
15	29	45	82	366	e64	218	152	666	142	114	56	25
16	29	45	99	318	e84	193	140	460	134	95	52	24
17	26	43	290	245	e110	172	135	1480	125	62	47	25
18	30	42	239	194	e150	157	158	4700	119	50	49	25
19	43	40	162	180	236	147	136	2920	116	43	43	23
20	36	37	125	353	256	152	132	995	113	39	42	27
21	32	45	100	389	249	182	3010	542	136	46	40	31
22	32	38	88	316	196	141	1120	390	148	44	37	27
23	29	36	77	261	184	167	693	337	126	70	36	25
24	27	35	68	e180	172	137	751	534	161	100	31	23
25	31	34	54	e140	146	122	575	898	180	104	30	25
26	30	34	51	e120	137	114	461	698	128	220	28	25
27	32	79	49	e110	137	160	409	402	126	305	26	23
28	32	147	45	e100	281	152	361	452	150	163	25	20
29	32	61	42	e92	---	135	330	460	115	97	25	18
30	29	39	36	e86	---	129	331	361	164	68	27	18
31	32	---	33	e82	---	121	---	309	---	57	25	---
TOTAL	934	1779	2802	4683	3374	7755	11047	22356	5508	2821	3026	735
MEAN	30.1	59.3	90.4	151	120	250	368	721	184	91.0	97.6	24.5
MAX	43	151	290	389	281	1080	3010	4700	401	305	612	35
MIN	25	34	20	18	50	114	97	240	113	39	25	18
CFSM	.15	.30	.45	.76	.60	1.25	1.84	3.61	.92	.45	.49	.12
IN.	.17	.33	.52	.87	.63	1.44	2.05	4.16	1.02	.52	.56	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1995, BY WATER YEAR (WY)

MEAN	79.8	183	289	260	324	374	370	326	168	166	113	57.2
MAX	615	732	929	708	901	884	748	1049	419	773	773	242
(WY)	1987	1994	1991	1969	1975	1978	1970	1968	1980	1979	1979	1979
MIN	22.5	32.7	26.5	21.3	83.8	111	88.7	55.9	24.6	22.9	18.6	19.9
(WY)	1989	1977	1977	1977	1992	1992	1976	1976	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	63364		66820			
ANNUAL MEAN	174		183		225	
HIGHEST ANNUAL MEAN					388	1979
LOWEST ANNUAL MEAN					92.3	1977
HIGHEST DAILY MEAN	4500	Jan 28	4700	May 18	9990	Dec 30 1990
LOWEST DAILY MEAN	19	Sep 16	18	Jan 6	11	Aug 18 1988
ANNUAL SEVEN-DAY MINIMUM	21	Sep 10	21	Sep 1	13	Aug 13 1988
INSTANTANEOUS PEAK FLOW			7480	May 18	20000	Jul 20 1969
INSTANTANEOUS PEAK STAGE			12.30	May 18	16.18	Jul 20 1969
ANNUAL RUNOFF (CFSM)	.87		.92		1.13	
ANNUAL RUNOFF (INCHES)	11.79		12.43		15.32	
10 PERCENT EXCEEDS	280		377		451	
50 PERCENT EXCEEDS	106		98		113	
90 PERCENT EXCEEDS	29		26		34	

e Estimated

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^2.

PERIOD OF RECORD.--March 1954 to current year.

REVISED RECORDS.--WSP 1555: 1954(M), 1955(P). WSP 1908: 1955, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 621.76 ft above sea level. Prior to May 22, 1954, nonrecording gage 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 same site and datum. Data Collection Platform with water temperature probe since Nov. 5, 1986.

REMARKS.--Flow regulated by The U.S. Army Corps of Engineers from Brookville Lake since January 1974.

COOPERATION.--Records of Daily discharge provided by U.S. Army Corps. of Engineers beginning Oct. 1, 1991.

AVERAGE DISCHARGE.--41 years, 405 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,100 ft^3/s Jan. 21, 1959, gage height 17.35 ft; no flow Nov. 27, 1991, July 14-16, 21-26, Aug. 4-27, 1992.

EXTREMES FOR CURRENT YEAR.--Maximun daily discharge, 4,470 ft^3/s May 26; minimum daily discharge 49 ft^3/s Apr. 1-26, Aug. 17 to Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	441	110	298	370	371	49	494	760	295	148	49
2	57	441	55	298	235	371	49	662	490	295	148	49
3	57	441	55	179	138	371	49	763	491	294	148	49
4	57	441	55	93	138	371	49	763	491	294	148	49
5	57	441	55	93	138	371	49	762	491	202	148	49
6	57	440	55	93	138	371	49	762	491	114	150	49
7	57	440	55	93	138	371	49	761	491	98	1020	49
8	57	440	55	93	138	373	49	417	347	98	1540	49
9	57	533	55	93	138	374	49	246	153	98	1530	49
10	57	644	55	93	138	374	49	246	98	98	1530	49
11	57	643	55	93	138	375	49	402	98	98	1520	49
12	57	643	73	93	138	375	49	495	98	98	627	49
13	57	642	93	93	138	375	49	495	98	98	137	49
14	57	642	93	183	138	376	49	498	98	359	98	49
15	57	641	93	248	138	272	49	1170	98	490	98	49
16	57	641	155	305	530	97	49	1540	98	491	65	49
17	249	640	192	371	992	97	49	1550	98	161	49	49
18	441	639	192	371	991	97	49	675	98	86	49	49
19	441	639	192	372	635	97	49	1210	98	98	49	49
20	441	638	192	372	138	97	49	2690	98	98	49	49
21	441	637	192	372	138	97	49	3220	98	98	49	49
22	441	637	259	372	138	97	49	3530	222	98	49	49
23	441	636	299	735	284	97	49	3520	295	98	49	49
24	441	635	299	994	371	97	49	3510	295	99	49	49
25	441	635	299	994	371	97	49	3960	295	117	49	49
26	441	634	299	993	371	97	49	4470	295	148	49	49
27	441	634	299	992	371	97	235	3170	295	148	49	49
28	441	535	299	992	371	97	494	2070	295	148	49	49
29	441	370	299	992	---	98	494	1420	295	148	49	49
30	441	235	298	991	---	98	494	1030	295	148	49	49
31	441	---	298	629	---	67	---	1030	---	148	49	---
TOTAL	7335	16698	5075	12983	8100	7015	2991	47531	7963	5361	9790	1470
MEAN	237	557	164	419	289	226	99.7	1533	265	173	316	49.0
MAX	441	644	299	994	992	376	494	4470	760	491	1540	49
MIN	57	235	55	93	138	67	49	246	98	86	49	49

CAL YR 1994 TOTAL 122610 MEAN 336 MAX 2060 MIN 27
WTR YR 1995 TOTAL 132312 MEAN 362 MAX 4470 MIN 49

03276500 WHITEWATER RIVER AT BROOKVILLE, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°24'24", long 85°00'46", in NE$^1/_4$NW$^1/_4$ 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^2.
PERIOD OF RECORD.--June 1915 to September 1917, October 1917 to May 1920 (gage heights only), and July 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1915-17, 1929, 1930(M), 1933(M), 1934, 1935(m), 1936. WSP 1505: 1916(M). WSP 1908: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 595.71 ft above sea level. 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.--Records good except for estimated daily discharges, which are fair. Flow regulated by Brookville Lake since January 1974.
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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	673	317	457	574	1090	480	1490	2310	1260	528	241
2	142	676	239	444	654	1020	461	2220	2240	1170	594	233
3	138	681	213	373	718	921	445	1860	2670	1030	554	224
4	135	675	209	282	675	866	452	1710	2140	1100	507	220
5	135	693	228	e220	e540	845	439	1850	1890	1050	2060	212
6	135	704	261	e223	e480	944	413	1690	1740	776	6610	209
7	137	698	245	e230	e450	1580	409	1580	1620	691	2740	209
8	139	686	228	e240	e430	4900	407	1270	1440	596	3390	238
9	145	778	363	e250	e420	3040	575	4120	1140	537	2630	240
10	135	971	749	e280	e390	2100	741	2780	946	505	2410	229
11	135	949	890	326	e370	1790	729	2490	891	485	2280	220
12	135	914	581	880	e350	1460	754	1890	878	462	1380	216
13	137	898	534	803	e330	1210	822	1750	827	441	680	216
14	141	885	479	805	e310	1030	753	5250	768	374	507	216
15	146	880	435	1520	e450	905	647	3910	723	1030	464	211
16	156	881	477	1360	e900	898	586	3260	689	1340	422	202
17	407	880	997	1140	1900	843	601	6700	658	799	395	200
18	669	880	826	989	1850	801	705	14300	630	571	388	200
19	680	872	729	914	1710	811	619	13400	607	468	855	200
20	675	865	633	1340	1220	715	562	10500	770	416	507	210
21	674	871	572	1480	1180	693	8140	6660	2270	420	405	200
22	673	865	562	1340	991	664	5680	5880	1380	404	363	200
23	660	851	561	1270	976	749	2860	5400	1180	687	339	195
24	664	853	536	1280	1000	755	4110	5140	1170	1210	321	191
25	665	851	515	1150	924	658	2480	5960	1340	695	307	162
26	659	851	501	1120	878	613	1910	7370	1160	733	295	138
27	659	876	488	1090	848	610	1730	5100	1070	696	280	135
28	659	941	478	1110	1030	670	1800	4790	1230	774	268	132
29	660	578	466	1090	---	624	1630	4870	1260	653	257	128
30	665	451	458	1080	---	596	1530	3370	1160	587	257	128
31	668	---	458	884	---	558	---	2770	---	545	252	---
TOTAL	11975	24127	15228	25970	22548	34959	43470	141330	38797	22505	33245	5955
MEAN	386	804	491	838	805	1128	1449	4559	1293	726	1072	198
MAX	680	971	997	1520	1900	4900	8140	14300	2670	1340	6610	241
MIN	135	451	209	220	310	558	407	1270	607	374	252	128
CFSM	.32	.66	.40	.68	.66	.92	1.18	3.72	1.06	.59	.88	.16
IN.	.36	.73	.46	.79	.69	1.06	1.32	4.30	1.18	.68	1.01	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1995, BY WATER YEAR (WY)

MEAN	471	906	1301	1955	2010	2276	2148	1668	1127	756	512	413
MAX	2796	4160	5468	9401	6290	5909	4664	5738	4710	3390	4271	4239
(WY)	1927	1994	1991	1937	1950	1963	1964	1968	1958	1958	1979	1926
MIN	95.5	98.1	95.1	102	122	294	275	186	161	138	102	98.9
(WY)	1935	1935	1935	1977	1935	1941	1941	1941	1934	1934	1930	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1916 - 1995	
ANNUAL TOTAL	447920		420109			
ANNUAL MEAN	1227		1151		1292	
HIGHEST ANNUAL MEAN					2359	1950
LOWEST ANNUAL MEAN					271	1941
HIGHEST DAILY MEAN	16700	Apr 10	14300	May 18	55000	Jan 21 1959
LOWEST DAILY MEAN	135	Oct 4	128	Sep 29	60	Jul 27 1934
ANNUAL SEVEN-DAY MINIMUM	137	Oct 2	137	Oct 2	66	Sep 25 1941
INSTANTANEOUS PEAK FLOW			21000	May 18	81800	Jan 21 1959
INSTANTANEOUS PEAK STAGE			13.93	May 18	27.78	Jan 21 1959
ANNUAL RUNOFF (CFSM)	1.00		.94		1.06	
ANNUAL RUNOFF (INCHES)	13.61		12.77		14.34	
10 PERCENT EXCEEDS	2740		2270		2810	
50 PERCENT EXCEEDS	719		689		620	
90 PERCENT EXCEEDS	192		213		165	

e Estimated

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^2.
PERIOD OF RECORD.--October 1969 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 590 ft above sea level, from topographic map.
REMARKS.--Records good except for estimated daily discharges and those below 1 ft^3/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.13	5.7	3.9	51	23	5.5	8.9	15	.03	9.3	.27
2	.00	.10	4.2	3.3	88	17	5.1	137	12	.00	8.0	.17
3	.00	.09	3.5	e2.7	71	15	4.7	29	128	.00	6.7	.12
4	.00	.11	13	e2.3	42	14	6.3	18	14	.00	5.5	.04
5	.00	.18	121	e2.1	e27	32	4.6	16	6.7	63	663	.00
6	.00	.65	32	e8.0	e19	95	4.3	10	4.1	23	313	.00
7	.00	1.3	19	e22	e14	193	4.1	7.0	2.4	9.5	832	.00
8	.00	.91	12	e7.8	e10	404	14	4.9	8.0	5.1	256	.00
9	.00	6.9	298	e6.0	e8.6	111	397	101	7.9	3.2	88	.00
10	.00	15	308	17	e7.7	74	58	51	2.1	2.2	55	.00
11	.00	4.3	131	86	e7.2	56	33	28	1.1	1.5	40	.00
12	.00	2.3	46	91	e6.4	42	45	21	3.2	1.0	31	.00
13	.00	1.7	27	42	e5.8	33	30	90	1.2	.64	25	.00
14	.00	1.3	19	145	e6.0	28	22	104	.46	.40	21	.00
15	.00	1.2	14	200	e550	24	18	42	.24	512	17	.00
16	.00	9.5	141	60	349	20	16	27	.13	450	15	.00
17	.00	10	151	34	129	18	52	36	.04	88	12	.00
18	.00	3.9	49	24	87	15	36	910	.00	45	11	.00
19	.06	2.5	26	36	70	14	24	206	.00	30	9.1	.00
20	.73	2.0	18	88	56	13	22	69	.09	23	6.9	.00
21	.52	2.7	14	45	42	13	392	36	.44	19	5.4	.00
22	.48	3.1	11	29	30	11	58	21	.29	18	4.2	.00
23	.39	2.3	9.8	e20	27	10	33	12	.02	71	2.7	.00
24	.34	2.0	8.3	e14	23	9.2	107	6.8	.00	64	2.1	.00
25	.27	1.7	6.8	e10	19	7.7	35	637	.00	37	1.8	.00
26	.21	1.6	5.6	e7.6	17	7.1	21	95	.23	31	1.5	.00
27	.16	16	4.9	e25	16	8.7	15	37	.21	22	1.2	.00
28	.14	83	4.6	e140	34	8.1	9.4	102	.00	18	.86	.00
29	.11	18	4.2	e64	---	6.7	6.6	250	.08	15	.62	.00
30	.11	9.3	3.5	e31	---	6.2	5.9	46	.16	13	.50	.00
31	.12	---	3.3	e18	---	5.7	---	22	---	11	.39	---
TOTAL	3.64	203.77	1514.4	1284.7	1812.7	1334.4	1484.5	3180.6	208.09	1576.57	2445.77	0.60
MEAN	.12	6.79	48.9	41.4	64.7	43.0	49.5	103	6.94	50.9	78.9	.020
MAX	.73	83	308	200	550	404	397	910	128	512	832	.27
MIN	.00	.09	3.3	2.1	5.8	5.7	4.1	4.9	.00	.00	.39	.00
CFSM	.00	.25	1.78	1.51	2.35	1.57	1.80	3.73	.25	1.85	2.87	.00
IN.	.00	.28	2.05	1.74	2.45	1.81	2.01	4.30	.28	2.13	3.31	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	10.7	35.9	49.8	46.4	56.8	66.5	58.3	41.9	19.7	13.4	13.3	7.16
MAX	83.6	137	173	169	136	134	115	193	64.6	50.9	78.9	57.9
(WY)	1984	1980	1991	1982	1990	1975	1994	1983	1992	1995	1995	1979
MIN	.000	.22	3.95	.60	5.24	11.7	6.55	3.82	.44	.12	.001	.000
(WY)	1988	1988	1977	1977	1992	1983	1976	1992	1988	1975	1975	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	11437.21		15049.74			
ANNUAL MEAN	31.3		41.2		34.9	
HIGHEST ANNUAL MEAN					55.8	1979
LOWEST ANNUAL MEAN					17.0	1988
HIGHEST DAILY MEAN	1020	Apr 10	910	May 18	1630	May 16 1990
LOWEST DAILY MEAN	.00	Jun 16	.00	Oct 1	.00	Oct 1 1969
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 7	.00	Oct 1	.00	Jun 27 1970
INSTANTANEOUS PEAK FLOW			5520	Aug 7	7800	May 16 1990
INSTANTANEOUS PEAK STAGE			9.98	Aug 7	11.34	May 16 1990
ANNUAL RUNOFF (CFSM)	1.14		1.50		1.27	
ANNUAL RUNOFF (INCHES)	15.47		20.36		17.23	
10 PERCENT EXCEEDS	71		90		74	
50 PERCENT EXCEEDS	5.7		9.1		8.9	
90 PERCENT EXCEEDS	.00		.00		.12	

e Estimated

03294000 SILVER CREEK NEAR SELLERSBURG, IN

LOCATION.--Lat 38°22'15", long 85°43'35", in lot 68, Clark Military Grant, Clark County, Hydrologic Unit 05140101, 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^2.
PERIOD OF RECORD.--October 1954 to current year.
REVISED RECORDS.--WSP 1705: 1955-58. WDR IN-72-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 429.78 ft above sea level, (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.--Records good except for estimated daily discharges, and those below 10 ft^3/s, which are poor. Some regulation by Deam Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.4	24	35	233	135	43	78	e330	16	9.1	6.8
2	2.8	3.3	16	40	246	109	41	667	e420	14	9.5	8.5
3	2.9	3.8	12	28	199	98	38	339	e700	12	13	5.7
4	3.2	3.3	38	24	187	91	34	200	e370	17	9.6	4.9
5	2.3	2.5	524	e20	153	144	33	161	e260	846	119	4.7
6	2.0	3.1	195	42	e109	461	31	125	e190	420	771	4.3
7	1.8	6.1	99	264	e98	449	32	100	e150	139	228	4.3
8	1.7	18	61	160	e88	2180	31	80	116	83	870	4.6
9	2.0	35	535	128	e70	856	32	760	202	61	690	6.2
10	2.8	140	918	102	e68	508	41	904	100	39	587	5.2
11	2.3	67	783	152	e66	373	32	360	76	29	255	4.7
12	2.2	21	295	284	e60	283	41	213	117	24	134	3.7
13	2.1	10	189	196	e50	235	95	351	103	22	85	2.7
14	2.3	7.5	143	268	e52	201	57	697	74	18	61	2.4
15	2.5	5.0	114	662	612	165	42	332	64	15	48	2.3
16	2.2	23	116	367	2140	144	37	205	59	14	51	2.9
17	2.0	35	556	219	671	133	37	1390	41	23	40	5.0
18	2.2	24	268	168	432	119	91	2850	34	17	33	6.3
19	8.5	14	177	218	335	108	71	2800	28	13	28	7.5
20	8.3	10	137	352	279	104	57	810	22	12	24	9.3
21	6.2	10	105	235	229	100	702	484	24	9.7	22	11
22	6.6	14	91	168	186	90	385	355	89	8.6	17	7.9
23	5.4	15	81	135	170	84	198	251	52	21	15	6.8
24	5.5	9.2	70	110	148	74	420	201	35	195	13	5.7
25	5.3	6.0	61	91	128	65	291	1090	52	90	12	4.9
26	3.3	5.8	52	82	123	62	180	e7930	44	55	11	4.5
27	2.6	12	45	78	124	63	137	e2900	27	39	11	4.6
28	2.1	171	41	916	133	63	106	e2200	24	38	13	5.7
29	2.6	113	39	985	---	56	83	e2500	19	23	7.3	6.1
30	3.0	44	37	419	---	52	71	e600	18	17	5.3	5.9
31	3.6	---	35	263	---	47	---	e360	---	13	5.5	---
TOTAL	105.5	836.0	5857	7211	7389	7652	3489	32293	3840	2343.3	4197.3	165.1
MEAN	3.40	27.9	189	233	264	247	116	1042	128	75.6	135	5.50
MAX	8.5	171	918	985	2140	2180	702	7930	700	846	870	11
MIN	1.7	2.5	12	20	50	47	31	78	18	8.6	5.3	2.3
CFSM	.02	.15	1.00	1.23	1.40	1.31	.62	5.51	.68	.40	.72	.03
IN.	.02	.16	1.15	1.42	1.45	1.51	.69	6.36	.76	.46	.83	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1995, BY WATER YEAR (WY)

MEAN	31.3	123	246	293	413	500	395	302	141	74.2	51.7	33.7
MAX	143	805	862	1150	1323	2252	1117	1369	1337	316	514	390
(WY)	1978	1980	1979	1959	1956	1964	1970	1983	1960	1973	1978	1979
MIN	.21	.61	.60	5.43	32.0	112	72.3	25.4	3.07	2.75	1.85	.24
(WY)	1965	1964	1964	1977	1992	1981	1976	1988	1988	1959	1994	1957

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1955 - 1995	
ANNUAL TOTAL	56274.11		75378.2			
ANNUAL MEAN	154		207		216	
HIGHEST ANNUAL MEAN					404	1979
LOWEST ANNUAL MEAN					92.8	1981
HIGHEST DAILY MEAN	3180	May 1	7930	May 26	15100	Mar 10 1964
LOWEST DAILY MEAN	.36	Aug 28	1.7	Oct 8	.00	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	.54	Aug 16	2.1	Oct 6	.00	Oct 1 1954
INSTANTANEOUS PEAK FLOW			8320	May 26	19600	Jan 22 1959
INSTANTANEOUS PEAK STAGE			23.96	May 26	30.89	Jan 22 1959
ANNUAL RUNOFF (CFSM)	.82		1.09		1.14	
ANNUAL RUNOFF (INCHES)	11.08		14.84		15.53	
10 PERCENT EXCEEDS	423		470		465	
50 PERCENT EXCEEDS	35		57		51	
90 PERCENT EXCEEDS	1.8		4.4		3.2	

e Estimated

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, on right bank at downstream side of bridge on State Highway 337 (revised), 0.6 mi downstream from South Fork Buck Creek, 3.6 mi southwest of New Middletown, and 14.6 mi upstream from mouth.
DRAINAGE AREA.--65.2 mi², of which 28.1 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1969 to current year.
REVISED RECORDS.--WDR IN-72-1: 1971(P).
GAGE.--Water-stage recorder. Datum of gage is 501.63 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharges and those below 10 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.7	e3.3	e19	20	78	28	17	52	68	7.4	11	e4.2
2	e4.3	e2.7	e14	18	66	26	17	141	94	6.6	10	e3.9
3	e4.0	e2.4	e11	e14	56	25	16	88	105	6.6	9.7	e3.7
4	e3.6	e2.4	89	e12	e44	23	16	68	75	14	11	e3.5
5	e3.3	e12	189	e11	e37	50	15	55	62	193	88	e3.2
6	e3.6	e38	95	93	e33	85	15	45	54	65	120	e3.0
7	e3.8	e28	e52	119	e33	164	15	38	46	43	51	e2.9
8	e4.1	e17	e32	61	e28	573	14	33	38	32	43	e3.6
9	e3.1	e20	205	49	e26	249	14	325	34	25	33	e3.6
10	e3.4	e82	404	44	e25	160	13	222	30	19	32	e3.4
11	e2.7	e47	286	73	e21	119	14	132	29	15	28	e3.2
12	e2.4	e31	158	119	e19	91	22	93	38	12	26	e3.1
13	e2.1	e22	e86	93	e18	73	18	353	28	10	25	e3.3
14	e1.9	e16	e60	141	e19	62	16	729	23	8.7	22	e3.4
15	e2.1	e14	e47	218	522	54	16	324	20	8.2	20	e2.9
16	e2.4	e21	92	144	582	48	16	192	18	9.7	18	e3.0
17	e2.2	e40	174	107	229	42	49	1750	16	8.1	18	e3.1
18	e2.1	e30	119	84	146	43	33	2620	17	6.9	16	e3.1
19	e2.2	e23	88	105	109	46	26	1180	15	7.8	15	e3.0
20	e6.6	e18	72	113	90	41	45	414	14	8.0	14	e3.0
21	e5.2	e17	59	91	74	37	233	239	13	9.2	13	e2.8
22	e5.8	e19	50	75	60	32	106	173	19	9.8	12	e2.8
23	e4.5	e17	44	63	55	33	90	132	14	21	e9.7	e2.6
24	e3.6	e15	38	52	46	27	154	106	11	52	e8.5	e2.4
25	e4.3	e14	33	44	40	24	107	106	11	21	e8.1	e2.2
26	e3.5	e13	29	39	38	23	78	90	11	15	e7.6	e2.2
27	e2.9	e16	27	37	35	25	61	94	9.8	11	e6.6	e2.3
28	e2.7	237	25	161	33	22	47	132	8.8	12	e5.6	e2.0
29	e2.5	80	23	168	---	20	39	108	8.7	14	e5.2	e1.9
30	e2.6	e32	21	116	---	19	35	83	8.1	14	e4.8	e1.7
31	e3.0	---	20	91	---	18	---	75	---	12	e4.5	---
TOTAL	105.2	929.8	2661	2575	2562	2282	1357	10192	938.4	697.0	696.3	89.0
MEAN	3.39	31.0	85.8	83.1	91.5	73.6	45.2	329	31.3	22.5	22.5	2.97
MAX	6.6	237	404	218	582	573	233	2620	105	193	120	4.2
MIN	1.9	2.4	11	11	18	18	13	33	8.1	6.6	4.5	1.7
CFSM	.05	.48	1.32	1.27	1.40	1.13	.69	5.04	.48	.34	.34	.05
IN.	.06	.53	1.52	1.47	1.46	1.30	.77	5.82	.54	.40	.40	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	17.8	58.5	98.2	101	134	140	145	103	47.5	29.0	17.6	17.4
MAX	71.8	228	262	201	368	342	412	558	222	219	67.2	217
(WY)	1971	1980	1991	1974	1989	1975	1970	1983	1990	1979	1992	1979
MIN	.76	3.16	6.01	2.64	24.8	40.4	22.4	16.3	1.56	4.59	2.11	.72
(WY)	1988	1988	1977	1977	1992	1983	1986	1976	1988	1975	1987	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	21159.7		25084.7			
ANNUAL MEAN	58.0		68.7		75.3	
HIGHEST ANNUAL MEAN					146	1979
LOWEST ANNUAL MEAN					32.8	1981
HIGHEST DAILY MEAN	1040	Jan 28	2620	May 18	3970	May 1 1983
LOWEST DAILY MEAN	1.9	Oct 14	1.7	Sep 30	.52	Jul 10 1988
ANNUAL SEVEN-DAY MINIMUM	2.1	Oct 13	2.1	Sep 24	.57	Jul 4 1988
INSTANTANEOUS PEAK FLOW			4380	May 17	12700	Apr 2 1970
INSTANTANEOUS PEAK STAGE			9.22	May 17	14.40	Apr 2 1970
ANNUAL RUNOFF (CFSM)	.89		1.05		1.16	
ANNUAL RUNOFF (INCHES)	12.07		14.31		15.70	
10 PERCENT EXCEEDS	139		136		167	
50 PERCENT EXCEEDS	20		24		27	
90 PERCENT EXCEEDS	3.4		3.1		3.5	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1968 to current year.
GAGE.--Water-stage recorder. Datum of gage is 703.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.44	.28	6.6	6.3	17	8.5	4.5	25	8.0	1.0	.00	.00
2	.44	.30	5.6	5.6	15	7.6	4.3	67	20	.78	.00	.00
3	.43	.27	5.0	e5.1	13	7.5	4.1	29	12	.71	.00	.00
4	.50	.28	42	e4.8	12	6.8	4.3	21	7.3	16	.00	.00
5	.41	.38	48	e4.4	e11	20	4.0	15	5.6	38	83	.00
6	.39	2.1	18	29	e13	28	3.9	12	4.5	4.4	17	.00
7	.34	1.2	13	38	e13	78	3.7	9.2	3.5	4.5	5.2	.00
8	.42	.90	9.6	19	e12	175	3.7	7.8	2.9	1.8	12	.00
9	1.5	16	103	14	e10	60	3.8	104	3.7	1.2	26	.00
10	.60	8.4	104	13	e9.0	39	3.7	45	4.0	.92	25	.03
11	.24	2.6	53	37	e7.5	29	3.6	24	4.4	.67	7.7	.08
12	.20	1.5	26	42	e8.0	24	8.8	17	7.3	.57	4.7	.04
13	1.0	1.1	18	27	e8.5	20	6.0	58	3.9	.39	3.3	.00
14	1.9	.81	14	47	e11	17	5.3	52	2.5	.28	2.5	.00
15	1.4	1.3	11	62	190	15	4.6	28	2.1	.20	2.1	.00
16	1.3	14	29	34	137	13	4.5	25	1.7	.19	9.3	.30
17	.98	5.6	38	24	47	11	5.2	484	1.4	.10	4.0	.58
18	1.1	3.1	23	19	31	10	5.2	376	1.3	.05	2.2	.15
19	8.2	2.1	16	33	24	9.3	4.4	147	1.1	.05	1.7	.02
20	2.5	1.6	13	28	21	9.0	10	52	1.2	.05	1.4	.18
21	1.2	5.0	11	21	17	8.7	64	32	1.3	.05	.99	.21
22	.95	3.1	10	17	14	8.0	26	23	1.7	.06	.79	.03
23	.81	2.0	9.2	14	13	7.9	24	16	1.5	13	.58	.00
24	.62	1.6	8.4	e12	11	6.9	37	16	1.6	5.9	.50	.00
25	.49	1.7	7.8	e11	10	6.3	24	629	2.3	1.1	.38	.00
26	.45	1.6	7.2	e10	9.3	5.9	16	87	1.2	.65	.29	.00
27	.43	30	6.9	e9.0	8.8	6.5	12	43	1.3	.30	.20	.00
28	.30	45	6.7	139	9.2	6.0	9.5	41	1.5	.23	.15	.00
29	.30	12	6.4	58	---	5.6	8.1	23	1.8	.16	.10	.00
30	.30	8.2	6.1	30	---	5.3	7.4	14	1.8	.09	.07	.00
31	.28	---	6.0	21	---	5.0	---	9.2	---	.05	.03	---
TOTAL	30.42	174.02	681.5	834.2	702.3	659.8	325.6	2531.2	114.4	93.45	211.18	1.62
MEAN	.98	5.80	22.0	26.9	25.1	21.3	10.9	81.7	3.81	3.01	6.81	.054
MAX	8.2	45	104	139	190	175	64	629	20	38	83	.58
MIN	.20	.27	5.0	4.4	7.5	5.0	3.6	7.8	1.1	.05	.00	.00
CFSM	.06	.36	1.37	1.67	1.56	1.32	.67	5.07	.24	.19	.42	.00
IN.	.07	.40	1.57	1.93	1.62	1.52	.75	5.85	.26	.22	.49	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	4.54	15.5	30.2	31.7	40.5	43.9	43.2	27.4	13.2	8.60	5.78	4.24
MAX	42.2	70.6	103	64.3	111	112	120	116	75.1	50.7	30.5	62.1
(WY)	1978	1980	1991	1969	1990	1975	1970	1983	1990	1979	1978	1979
MIN	.000	.25	1.80	.46	2.91	10.9	7.78	1.48	.002	.088	.15	.000
(WY)	1988	1992	1981	1977	1992	1976	1976	1988	1988	1991	1987	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	5561.10		6359.69			
ANNUAL MEAN	15.2		17.4		22.3	
HIGHEST ANNUAL MEAN					45.0	1979
LOWEST ANNUAL MEAN					8.23	1992
HIGHEST DAILY MEAN	279	Jan 28	629	May 25	1300	Feb 15 1990
LOWEST DAILY MEAN	.19	Aug 27	.00	Aug 1	.00	Oct 4 1968
ANNUAL SEVEN-DAY MINIMUM	.29	Oct 29	.00	Sep 1	.00	Sep 24 1969
INSTANTANEOUS PEAK FLOW			2910	May 25	5500	Jul 21 1973
INSTANTANEOUS PEAK STAGE			7.23	May 25	9.30	Jul 21 1973
ANNUAL RUNOFF (CFSM)	.95		1.08		1.38	
ANNUAL RUNOFF (INCHES)	12.85		14.69		18.81	
10 PERCENT EXCEEDS	34		37		45	
50 PERCENT EXCEEDS	6.6		5.6		6.2	
90 PERCENT EXCEEDS	.53		.08		.26	

e Estimated

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 mi².
PERIOD OF RECORD.--July 1970 to current year. Prior to December 10, 1970, nonrecording gage at site 0.55 mi downstream at datum 5.04 ft lower.
GAGE.--Water-stage recorder. Datum of gage is 713.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.93	11	e5.2	31	23	4.5	13	33	4.1	.77	.17
2	.46	.93	8.8	e4.6	31	19	4.4	38	87	3.4	.63	.15
3	.39	.93	7.2	e4.1	26	17	4.4	18	143	2.9	.54	.15
4	.32	1.6	20	e3.8	e21	15	4.6	15	63	4.0	.44	.12
5	.32	17	67	e3.2	e16	21	3.9	13	40	18	84	.12
6	.27	13	33	26	e14	37	3.9	10	29	8.0	33	.12
7	.25	3.9	24	31	e14	76	3.9	8.8	21	5.6	15	.07
8	.25	2.8	16	11	e13	164	3.9	7.7	15	4.5	16	.07
9	.70	26	172	8.3	e11	85	3.9	243	11	3.9	19	.09
10	.48	29	206	11	e11	58	3.7	92	9.1	3.5	13	.09
11	.37	11	114	21	e9.7	42	3.6	53	8.6	3.0	8.0	.09
12	.25	6.5	64	31	e7.8	32	4.8	34	9.7	2.6	5.7	.09
13	.37	5.0	41	25	e6.2	25	4.0	38	5.9	2.3	4.2	.08
14	.38	4.2	29	34	6.5	21	3.6	34	4.8	2.1	3.4	.11
15	.41	3.8	23	50	117	18	3.4	23	4.1	20	2.6	.09
16	.38	29	70	37	102	15	3.4	22	3.3	9.3	2.3	.13
17	.50	19	90	29	51	13	4.7	138	3.1	3.7	3.5	.13
18	.37	11	54	23	37	11	4.4	837	2.8	2.7	2.8	.12
19	1.7	6.9	36	69	30	9.8	3.8	190	2.6	2.2	2.1	.09
20	1.7	5.6	27	72	26	9.6	14	102	8.0	1.9	2.2	.27
21	1.1	7.5	22	46	21	8.5	292	64	9.9	2.0	1.6	.16
22	.97	5.8	18	33	17	7.3	65	41	3.9	2.1	1.3	.15
23	1.1	4.9	15	26	16	7.4	42	29	3.8	4.1	.97	.11
24	1.2	4.5	13	19	13	6.2	54	32	3.9	3.9	.93	.07
25	1.2	4.3	11	16	12	5.5	35	1120	3.7	2.5	.79	.05
26	1.1	3.9	9.2	13	11	5.2	25	151	3.6	2.1	.57	.05
27	1.1	46	8.2	12	13	6.9	19	92	3.1	1.8	.43	.05
28	1.8	80	7.6	81	30	5.6	14	336	4.2	1.7	.34	.05
29	.71	29	6.8	59	---	5.2	11	108	9.6	1.4	.25	.05
30	.72	17	6.3	40	---	4.9	9.8	64	5.1	1.2	.23	.03
31	.69	---	6.0	31	---	4.8	---	42	---	.90	.22	---
TOTAL	22.08	400.99	1236.1	875.2	714.2	778.9	657.6	4008.5	554.8	131.40	226.81	3.12
MEAN	.71	13.4	39.9	28.2	25.5	25.1	21.9	129	18.5	4.24	7.32	.10
MAX	1.8	80	206	81	117	164	292	1120	143	20	84	.27
MIN	.25	.93	6.0	3.2	6.2	4.8	3.4	7.7	2.6	.90	.22	.03
CFSM	.04	.70	2.10	1.49	1.34	1.32	1.15	6.81	.97	.22	.39	.01
IN.	.04	.79	2.42	1.71	1.40	1.53	1.29	7.85	1.09	.26	.44	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	7.58	25.1	33.6	32.4	40.5	43.7	42.7	28.8	10.9	14.1	8.06	6.38
MAX	45.7	89.9	98.2	103	106	104	136	140	38.0	65.7	30.5	40.0
(WY)	1984	1986	1991	1982	1989	1989	1972	1983	1985	1988	1985	1982
MIN	.14	.74	2.33	.97	5.41	9.65	4.21	1.91	.088	.29	.13	.10
(WY)	1988	1972	1977	1977	1992	1976	1976	1988	1988	1991	1987	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	6939.36		9609.70			
ANNUAL MEAN	19.0		26.3		24.5	
HIGHEST ANNUAL MEAN					43.1	1989
LOWEST ANNUAL MEAN					10.7	1981
HIGHEST DAILY MEAN	532	Apr 30	1120	May 25	1730	Jul 20 1988
LOWEST DAILY MEAN	.10	Aug 27	.03	Sep 30	.01	Nov 7 1992
ANNUAL SEVEN-DAY MINIMUM	.19	Aug 8	.05	Sep 24	.03	Jul 4 1988
INSTANTANEOUS PEAK FLOW			5790	May 25	9240	May 17 1990
INSTANTANEOUS PEAK STAGE			13.29	May 25	15.58	May 17 1990
ANNUAL RUNOFF (CFSM)	1.00		1.39		1.29	
ANNUAL RUNOFF (INCHES)	13.59		18.81		17.50	
10 PERCENT EXCEEDS	51		58		53	
50 PERCENT EXCEEDS	5.9		7.3		7.4	
90 PERCENT EXCEEDS	.25		.27		.46	

e Estimated

03302800 BLUE RIVER AT FREDERICKSBURG, IN

LOCATION.--Lat 38°26'02", long 86°11'31", in NE1/4NW1/4 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^2, of which 76.9 mi^2 does not contribute directly to surface runoff.
PERIOD OF RECORD.--June 1968 to current year.
GAGE.--Water-stage recorder. Datum of gage is 590.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 29.20 ft, from floodmark, on left upstream wingwall.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	14	163	e86	377	344	82	170	580	98	24	18
2	14	11	130	e80	356	274	78	642	1020	82	21	17
3	11	11	110	e74	303	244	74	464	1620	72	20	16
4	9.8	11	105	e68	e255	221	75	322	871	67	19	15
5	9.0	54	581	e59	e220	241	73	274	595	508	60	14
6	11	170	434	84	e180	528	69	226	456	398	950	13
7	11	127	292	485	e180	684	67	189	361	211	251	13
8	8.5	72	222	254	e165	2590	65	164	303	148	680	16
9	10	89	1200	186	e150	1280	62	1630	326	112	1230	16
10	9.3	465	1910	157	e148	867	59	1420	237	93	711	15
11	8.3	223	1780	217	e130	648	57	696	205	81	373	14
12	9.6	130	833	348	e109	493	63	449	324	70	225	13
13	7.7	93	536	315	e101	392	81	386	255	62	156	15
14	7.2	73	385	322	107	332	71	577	200	55	117	15
15	8.4	59	301	697	663	288	65	383	169	51	104	12
16	11	75	321	546	2300	256	63	305	146	112	89	13
17	9.8	180	1090	396	955	225	68	1260	128	92	78	14
18	9.1	136	691	320	633	196	88	5010	117	60	90	13
19	10	100	451	442	489	180	85	3450	107	48	74	13
20	26	79	346	904	407	173	83	1320	113	42	75	13
21	21	73	280	585	348	166	2780	871	316	38	62	12
22	24	85	237	418	276	146	1040	618	222	39	49	13
23	20	76	208	332	253	137	549	454	167	55	42	12
24	16	65	183	267	219	124	679	361	127	207	37	10
25	19	61	161	216	189	111	557	5770	146	102	36	9.4
26	14	58	143	194	180	103	393	6910	126	62	34	9.7
27	12	62	129	174	172	106	312	1410	102	49	28	10
28	12	798	119	728	349	113	247	4630	91	40	25	9.0
29	12	397	110	1140	---	100	205	2480	144	35	22	8.0
30	12	228	101	643	---	93	182	1060	137	30	21	7.5
31	14	---	94	450	---	87	---	746	---	27	19	---
TOTAL	394.7	4075	13646	11187	10214	11742	8372	44647	9711	3146	5722	388.6
MEAN	12.7	136	440	361	365	379	279	1440	324	101	185	13.0
MAX	26	798	1910	1140	2300	2590	2780	6910	1620	508	1230	18
MIN	7.2	11	94	59	101	87	57	164	91	27	19	7.5
CFSM	.04	.48	1.56	1.28	1.29	1.34	.99	5.09	1.14	.36	.65	.05
IN.	.05	.54	1.79	1.47	1.34	1.54	1.10	5.87	1.28	.41	.75	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	64.5	267	416	456	546	601	576	400	207	153	99.3	63.9
MAX	305	1135	1166	1341	1236	1193	1280	1808	743	588	463	239
(WY)	1984	1980	1991	1982	1990	1978	1972	1983	1990	1973	1977	1979
MIN	6.35	12.5	29.4	11.6	56.1	142	86.8	35.2	8.36	13.1	14.5	8.37
(WY)	1988	1988	1977	1977	1992	1969	1976	1988	1988	1991	1994	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995		
ANNUAL TOTAL	93219.0		123245.3				
ANNUAL MEAN	255		338		320		
HIGHEST ANNUAL MEAN					544		1979
LOWEST ANNUAL MEAN					129		1992
HIGHEST DAILY MEAN	4950	May 1	6910	May 26	11500	May 17	1990
LOWEST DAILY MEAN	6.0	Sep 18	7.2	Oct 14	2.5	Oct 4	1991
ANNUAL SEVEN-DAY MINIMUM	7.2	Sep 16	8.6	Oct 9	3.0	Sep 30	1991
INSTANTANEOUS PEAK FLOW			11400	May 26	13500	May 2	1983
INSTANTANEOUS PEAK STAGE			23.84	May 26	24.37	May 2	1983
ANNUAL RUNOFF (CFSM)	.90		1.19		1.13		
ANNUAL RUNOFF (INCHES)	12.25		16.20		15.34		
10 PERCENT EXCEEDS	580		703		731		
50 PERCENT EXCEEDS	98		129		115		
90 PERCENT EXCEEDS	9.9		13		15		

e Estimated

03302849 WHISKEY RUN AT MARENGO, IN

LOCATION.--Lat 38°22'32", long 86°20'41", in SW¼NW¼ sec.6, T.2 S., R.2 E., Crawford County, Hydrologic Unit 05140104, on left (north) bank about 100 ft upstream from bridge and intersection of North Main Street and North Water Street in Marengo, known as Old Town.

DRAINAGE AREA.--7.02 mi^2.

PERIOD OF RECORD.--October 1986 to September 1993 (discharge), October 1993 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 561.45 ft above sea level.

REMARKS.--Stage affected by inflow from small cave 50 ft below gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 26, 1979 reached a stage of 15.89 ft. Stage determined from levels to high-water mark in Old Town grocery store just downstream and across bridge from gage. Reports from local residents indicate this event as highest known flood.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.39 ft June 7, 1990; minimum gage height, undetermined below 0.80 ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.67 ft, May 25, 1995; minimum gage height, undetermined below 0.80 ft.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	1.25	1.63	1.42	1.82	1.83	1.45	2.91	1.79	1.45	1.01	1.01
2	1.14	1.24	1.57	1.39	1.74	1.76	1.42	2.18	2.13	1.41	.95	1.01
3	1.11	1.23	1.53	1.38	1.75	1.71	1.43	1.97	1.95	1.48	.90	.98
4	1.09	1.43	2.59	1.35	1.68	1.67	1.41	1.88	1.79	1.48	.87	.98
5	1.08	1.97	2.11	1.35	1.62	2.14	1.41	1.79	1.71	1.96	2.42	.96
6	1.07	1.66	1.93	2.07	1.59	2.07	1.40	1.72	1.64	1.69	1.66	.90
7	1.06	1.48	1.79	1.85	1.57	3.28	1.39	1.64	1.58	1.54	1.55	.89
8	1.10	1.40	1.71	1.75	1.50	2.38	1.38	1.58	1.55	1.47	1.76	.98
9	1.18	2.36	2.78	1.70	1.52	2.11	1.37	2.48	1.49	1.40	1.92	.95
10	1.17	1.85	2.89	1.74	1.53	1.97	1.35	2.06	1.46	1.35	1.76	.87
11	1.12	1.65	2.27	2.01	1.46	1.86	1.44	1.88	1.70	1.33	1.55	.87
12	1.11	1.54	2.03	1.89	1.47	1.78	1.59	1.79	1.56	1.32	1.47	.86
13	1.15	1.47	1.88	1.81	1.45	1.71	1.52	2.30	1.49	1.29	1.40	.86
14	1.15	1.42	1.78	2.27	1.49	1.67	1.48	1.99	1.43	1.28	1.36	.86
15	1.13	1.42	1.70	2.05	3.37	1.63	1.46	1.82	1.39	1.27	1.35	.86
16	1.11	1.80	2.91	1.90	2.35	1.59	1.50	2.09	1.37	1.27	1.32	.94
17	1.10	1.66	2.27	1.82	2.08	1.56	1.57	3.99	1.36	1.24	1.31	.95
18	1.21	1.56	2.01	1.75	1.95	1.53	1.56	3.34	1.35	1.22	1.28	.87
19	1.37	1.49	1.88	2.24	1.85	1.52	1.50	2.44	1.35	1.20	1.27	.86
20	1.28	1.44	1.79	2.01	1.79	1.54	3.28	2.12	2.28	1.20	1.25	1.06
21	1.24	1.58	1.71	1.88	1.70	1.50	2.60	1.98	1.62	1.20	1.23	.96
22	1.31	1.50	1.66	1.81	1.67	1.49	2.17	1.82	1.49	1.25	1.22	.86
23	1.27	1.46	1.62	1.73	1.63	1.47	2.52	1.71	1.41	1.51	1.20	.86
24	1.25	1.43	1.58	1.66	1.58	1.43	2.23	1.63	1.36	1.34	1.18	.86
25	1.23	1.42	1.54	1.62	1.57	1.41	2.03	2.94	1.47	1.26	1.15	.86
26	1.22	1.40	1.51	1.58	1.55	1.43	1.91	2.35	1.40	1.24	1.14	.86
27	1.21	3.27	1.49	1.60	2.10	1.57	1.81	2.64	1.35	1.21	1.14	.85
28	1.21	2.15	1.46	2.56	1.96	1.53	1.72	2.74	1.95	1.20	1.08	.85
29	1.21	1.88	1.44	2.15	---	1.50	1.66	2.28	1.67	1.19	1.06	.85
30	1.20	1.73	1.42	1.98	---	1.48	1.62	2.02	1.54	1.18	1.04	.85
31	1.22	---	1.42	1.89	---	1.46	---	1.87	---	1.14	1.01	---
MEAN	1.18	1.64	1.87	1.81	1.76	1.73	1.71	2.19	1.59	1.34	1.32	.91
MAX	1.37	3.27	2.91	2.56	3.37	3.28	3.28	3.99	2.28	1.96	2.42	1.06
MIN	1.06	1.23	1.42	1.35	1.45	1.41	1.35	1.58	1.35	1.14	.87	.85

CAL YR 1994 MEAN 1.46 MAX 3.37 MIN .80
WTR YR 1995 MEAN 1.59 MAX 3.99 MIN .85

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^2, of which 192 mi^2 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.--April 1931 to current year. Monthly figures only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1921-32, 1933(M), 1935-38(M), 1944. WSP 1385: Drainage area. WSP 1555: 1953. WDR IN-75-1: 1973.
GAGE.--Water-stage recorder. Datum of gage is 434.26 ft above sea level, (levels by State of Indiana, Department of Natural Resources). Prior to Nov. 16, 1938, nonrecording gage at same site and datum.
REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	37	429	218	912	854	247	564	1450	411	114	68
2	51	36	329	206	796	707	235	1280	1780	302	105	63
3	42	34	259	194	734	616	224	1400	3070	251	97	60
4	35	34	296	178	652	567	219	961	2130	310	89	56
5	31	39	658	147	601	621	209	789	1430	1850	428	53
6	27	86	1090	239	517	1010	208	691	1160	1560	2050	52
7	24	228	710	786	443	1500	203	604	977	859	1090	51
8	23	197	539	875	438	4670	197	536	830	621	1030	50
9	27	248	1470	520	388	3510	191	1390	787	499	1790	51
10	28	653	4220	428	376	2070	181	4010	717	419	1630	53
11	28	707	4140	414	379	1540	176	1740	623	364	1170	51
12	27	398	2050	603	329	1220	203	1180	635	320	751	48
13	29	245	1270	737	269	995	220	998	733	281	557	45
14	31	179	914	715	276	843	231	1220	602	242	439	44
15	29	147	716	1140	1480	739	216	1100	522	216	347	43
16	28	170	680	1280	5120	663	195	886	460	206	304	48
17	27	219	1890	966	2700	597	235	4530	405	220	282	63
18	27	354	1720	782	1600	537	272	7920	364	256	269	54
19	52	283	1130	833	1230	491	262	9410	338	187	242	47
20	69	206	840	1540	1030	467	290	3880	327	159	220	50
21	71	189	684	1410	891	448	4360	2250	499	144	199	53
22	75	185	576	1040	751	419	4070	1600	757	144	182	49
23	79	187	503	828	658	387	1660	1230	503	229	152	43
24	61	175	445	689	595	360	1510	1020	407	603	130	40
25	54	149	398	574	524	333	1460	6040	363	627	116	40
26	51	136	355	496	478	311	1100	15100	445	378	107	41
27	44	139	323	452	458	313	892	5310	395	264	100	38
28	40	866	295	946	572	315	748	5430	308	201	94	37
29	41	1160	269	2470	---	312	640	7210	381	166	85	35
30	38	619	245	1600	---	283	571	2760	590	142	78	35
31	36	---	230	1130	---	263	---	1870	---	126	73	---
TOTAL	1291	8305	29673	24436	25197	27961	21425	94909	23988	12557	14320	1461
MEAN	41.6	277	957	788	900	902	714	3062	800	405	462	48.7
MAX	79	1160	4220	2470	5120	4670	4360	15100	3070	1850	2050	68
MIN	23	34	230	147	269	263	176	536	308	126	73	35
CFSM	.09	.58	2.01	1.66	1.89	1.89	1.50	6.43	1.68	.85	.97	.10
IN.	.10	.65	2.32	1.91	1.97	2.19	1.67	7.42	1.87	.98	1.12	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1995, BY WATER YEAR (WY)

MEAN	128	381	657	1052	1139	1374	1153	823	456	289	182	135
MAX	515	2057	2417	6290	3404	4299	2422	4020	2101	1655	801	541
(WY)	1956	1980	1958	1937	1950	1945	1947	1983	1990	1979	1977	1965
MIN	14.3	20.0	17.6	40.3	78.0	70.8	263	91.2	41.0	44.8	29.8	18.8
(WY)	1965	1964	1964	1977	1934	1941	1934	1934	1936	1954	1964	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1932 - 1995	
ANNUAL TOTAL	212523		285523			
ANNUAL MEAN	582		782		645	
HIGHEST ANNUAL MEAN					1199	1950
LOWEST ANNUAL MEAN					140	1941
HIGHEST DAILY MEAN	10400	May 1	15100	May 26	26000	Mar 10 1964
LOWEST DAILY MEAN	16	Sep 22	23	Oct 8	9.6	Oct 17 1964
ANNUAL SEVEN-DAY MINIMUM	19	Sep 16	26	Oct 6	11	Oct 12 1964
INSTANTANEOUS PEAK FLOW			17200	May 26	28500	Jan 22 1959
INSTANTANEOUS PEAK STAGE			16.74	May 26	23.07	Jan 22 1959
ANNUAL RUNOFF (CFSM)	1.22		1.64		1.35	
ANNUAL RUNOFF (INCHES)	16.61		22.31		18.41	
10 PERCENT EXCEEDS	1300		1600		1440	
50 PERCENT EXCEEDS	240		387		253	
90 PERCENT EXCEEDS	29		45		36	

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN

LOCATION.--Lat 38°08'19", long 86°43'16", in NW¼SE¼ 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^2.
PERIOD OF RECORD.--August 1961 to current year.
REVISED RECORDS.--WDR IN-72-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 395.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Forest Service and Middle Fork Anderson River Conservancy District control structures beginning June 1967.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 20.0 ft, from floodmark, discharge 15,000 ft^3/s, from rating curve extended above 7,000 ft^3/s. This is the maximum flood since 1905, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	.99	34	13	73	56	24	66	e76	9.7	.67	.00
2	.10	.85	23	13	60	48	21	171	200	7.3	.62	.00
3	.05	.87	17	e10	52	42	19	128	181	5.6	.39	.00
4	.00	1.2	22	e8.4	e43	37	19	91	117	6.3	.35	.00
5	.00	12	48	e7.4	e35	82	17	70	81	71	25	.00
6	.00	18	36	33	e30	127	16	54	58	58	68	.00
7	.00	11	28	106	e25	154	15	43	48	35	37	.00
8	.00	12	22	75	e22	286	14	35	37	21	18	.00
9	.35	96	330	56	e18	185	14	111	30	14	27	.00
10	.26	111	459	46	e16	116	14	130	24	13	57	.00
11	.18	54	393	53	e15	85	13	90	21	11	35	.00
12	.16	33	264	62	e14	66	35	64	27	8.1	20	.00
13	.81	21	108	55	e13	54	37	107	21	5.9	11	.00
14	.98	15	64	53	19	46	31	203	16	4.5	4.6	.00
15	.80	12	45	66	257	41	26	114	13	3.7	1.8	.00
16	.72	19	173	61	444	36	26	88	11	3.1	.62	.00
17	.67	24	334	50	340	33	68	746	8.8	2.7	.05	.00
18	.82	20	198	40	190	29	67	732	7.6	2.3	.01	.00
19	2.7	15	111	70	96	27	51	e450	6.9	e1.6	.02	.00
20	1.9	12	72	106	71	26	152	e230	11	e1.0	.11	.14
21	1.9	13	52	82	57	27	721	e115	46	3.6	.00	.49
22	1.8	13	41	60	48	24	e350	e73	20	e2.1	.00	.25
23	1.7	12	34	46	43	24	e185	e52	15	5.6	.00	.12
24	1.5	11	29	35	38	25	e320	e120	11	12	.00	.00
25	1.3	12	25	28	34	24	e220	e230	9.3	21	.00	.00
26	1.1	13	21	24	31	22	135	334	8.0	16	.00	.00
27	1.0	61	19	22	33	29	82	255	7.6	7.8	.00	.00
28	.93	243	17	155	62	34	60	410	6.7	4.2	.00	.00
29	.86	124	15	232	---	31	47	e200	12	2.5	.00	.00
30	.85	59	14	141	---	28	40	e120	12	1.5	.00	.00
31	.91	---	13	95	---	26	---	e90	---	.95	.00	---
TOTAL	24.45	1049.91	3061	1903.8	2179	1870	2839	5722	1142.9	362.05	307.24	1.00
MEAN	.79	35.0	98.7	61.4	77.8	60.3	94.6	185	38.1	11.7	9.91	.033
MAX	2.7	243	459	232	444	286	721	746	200	71	68	.49
MIN	.00	.85	13	7.4	13	22	13	35	6.7	.95	.00	.00
CFSM	.02	.88	2.48	1.54	1.96	1.52	2.38	4.64	.96	.29	.25	.00
IN.	.02	.98	2.86	1.78	2.04	1.75	2.65	5.35	1.07	.34	.29	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

MEAN	9.55	41.2	74.1	79.0	98.4	123	112	72.1	27.4	17.0	11.5	10.4
MAX	63.7	194	210	223	245	393	312	405	190	141	162	78.8
(WY)	1978	1980	1991	1982	1989	1964	1972	1983	1979	1979	1979	1982
MIN	.000	.000	.000	2.78	5.66	33.4	19.6	6.36	.82	.38	.013	.000
(WY)	1965	1964	1964	1964	1992	1990	1963	1988	1988	1968	1965	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1962 - 1995	
ANNUAL TOTAL	17144.90		20462.35			
ANNUAL MEAN	47.0		56.1		56.1	
HIGHEST ANNUAL MEAN					122	1979
LOWEST ANNUAL MEAN					15.2	1992
HIGHEST DAILY MEAN	618	Apr 30	746	May 17	4870	Mar 9 1964
LOWEST DAILY MEAN	.00	Aug 8	.00	Oct 4	.00	Oct 2 1961
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 11	.00	Aug 21	.00	Oct 9 1961
INSTANTANEOUS PEAK FLOW			1090	May 17	6360	Mar 9 1964
INSTANTANEOUS PEAK STAGE			14.72	May 17	19.33	Mar 4 1964
ANNUAL RUNOFF (CFSM)	1.18		1.41		1.41	
ANNUAL RUNOFF (INCHES)	16.02		19.13		19.15	
10 PERCENT EXCEEDS	105		145		138	
50 PERCENT EXCEEDS	15		22		15	
90 PERCENT EXCEEDS	.00		.00		.20	

e Estimated

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 1.0 mi upstream from unnamed right-bank tributary.
DRAINAGE AREA.--7.86 mi².
PERIOD OF RECORD.--October 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 404.34 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	2.4	1.4	6.7	6.1	.93	43	4.7	3.7	e.00	e.00
2	e.00	e.00	2.2	.85	5.8	4.1	.73	32	101	1.3	e.00	e.00
3	e.00	e.00	1.7	e.50	5.8	3.6	.64	9.9	17	.52	e.00	e.00
4	e.00	e.20	16	e.33	5.2	3.9	.63	6.4	9.7	14	e.00	e.00
5	e.00	33	13	e.22	e2.9	60	.43	4.7	6.6	62	e10	e.00
6	e.00	8.8	6.0	21	e1.7	27	.45	3.6	16	11	e3.0	e.00
7	e.00	1.8	3.9	16	e1.4	89	.39	2.6	9.8	6.1	e1.0	e.00
8	e.00	.89	2.5	e5.4	e1.2	47	.36	1.8	4.2	3.3	e1.2	e.00
9	e.00	87	175	4.9	e1.0	16	.32	175	4.7	1.9	e1.7	e.00
10	e.00	19	168	6.1	e1.0	10	.25	21	3.4	3.4	e1.2	e.00
11	e.00	5.3	31	16	e.80	8.7	.29	10	7.9	.93	e.84	e.00
12	e.00	3.8	13	12	e.66	7.0	.67	7.8	10	e.35	e.64	e.00
13	e.00	1.9	7.7	7.7	e.54	4.8	.27	43	3.8	e.22	e.45	e.00
14	e.00	1.2	5.6	11	.80	4.6	.23	113	2.0	e.11	e.31	e.00
15	e.00	1.5	4.3	14	205	3.9	.22	16	1.0	e.00	e.19	e.00
16	e.00	8.5	124	7.1	81	2.9	e3.1	21	.44	e.00	e.70	e.00
17	e.00	3.6	42	5.5	21	2.2	13	757	.20	e.00	e.56	e.12
18	e.00	1.7	13	4.5	13	1.8	7.1	271	.14	e.00	e.46	e.00
19	e.37	1.0	7.8	27	9.0	1.4	3.0	64	.14	e.00	e.37	e.00
20	e.00	.90	5.9	12	7.3	2.0	87	19	.63	e.00	e.30	e.00
21	e.00	1.8	4.5	6.8	5.2	2.0	240	11	.69	e.00	e.25	e.00
22	e.00	.58	3.9	4.8	4.5	1.5	20	7.8	.13	e.00	e.20	e.00
23	e.00	.47	3.2	3.6	3.9	1.4	38	4.6	.10	e.49	e.16	e.00
24	e.00	.46	2.5	e2.4	2.6	1.4	31	2.8	3.2	e.34	e.13	e.00
25	e.00	1.9	2.1	e2.1	2.5	.80	13	44	8.4	e.23	e.00	e.00
26	e.00	.72	1.7	e1.8	2.2	.65	8.5	11	8.0	e.15	e.00	e.00
27	e.00	54	1.6	2.3	6.5	5.3	6.5	53	2.3	e.00	e.00	e.00
28	e.00	19	1.4	196	11	2.9	4.6	130	.63	e.00	e.00	e.00
29	e.00	6.2	1.1	26	---	1.9	3.8	18	.71	e.00	e.00	e.00
30	e.00	3.6	1.0	12	---	1.4	3.1	11	19	e.00	e.00	e.00
31	e.00	---	1.1	8.0	---	1.1	---	7.4	---	e.00	e.00	---
TOTAL	0.37	268.82	669.1	439.30	410.20	326.35	488.51	1922.4	246.51	110.04	23.66	0.12
MEAN	.012	8.96	21.6	14.2	14.6	10.5	16.3	62.0	8.22	3.55	.76	.004
MAX	.37	87	175	196	205	89	240	757	101	62	10	.12
MIN	.00	.00	1.0	.22	.54	.65	.22	1.8	.10	.00	.00	.00
CFSM	.00	1.14	2.75	1.80	1.86	1.34	2.07	7.89	1.05	.45	.10	.00
IN.	.00	1.27	3.17	2.08	1.94	1.54	2.31	9.10	1.17	.52	.11	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	2.61	10.4	15.3	13.8	21.0	20.9	19.9	11.4	5.24	4.83	2.52	2.17
MAX	10.3	33.5	49.1	43.7	51.7	51.9	60.7	62.0	19.6	47.5	19.4	11.6
(WY)	1994	1994	1991	1982	1989	1975	1983	1995	1986	1979	1977	1982
MIN	.000	.28	.51	.058	1.12	5.35	2.27	.17	.000	.001	.000	.000
(WY)	1988	1992	1977	1977	1992	1990	1976	1988	1988	1974	1983	1970

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	3026.71		4905.38			
ANNUAL MEAN	8.29		13.4		10.8	
HIGHEST ANNUAL MEAN					17.4	1975
LOWEST ANNUAL MEAN					3.97	1992
HIGHEST DAILY MEAN	533	Apr 30	757	May 17	833	Feb 23 1975
LOWEST DAILY MEAN	.00	Jul 2	.00	Oct 1	.00	Oct 1 1969
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 17	.00	Oct 1	.00	Jun 28 1970
INSTANTANEOUS PEAK FLOW			2020	May 17	4100	Apr 28 1970
INSTANTANEOUS PEAK STAGE			9.43	May 17	10.13	Apr 3 1989
ANNUAL RUNOFF (CFSM)	1.06		1.71		1.37	
ANNUAL RUNOFF (INCHES)	14.32		23.22		18.63	
10 PERCENT EXCEEDS	13		21		21	
50 PERCENT EXCEEDS	1.0		1.8		1.6	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

03322011 PIGEON CREEK NEAR FORT BRANCH, IN

LOCATION.--Lat 38°15'08", long 87°31'11", in NW¼SW¼ sec.15, T.3 S., R.10 W., Gibson County, Hydrologic Unit 05140202, on right bank 20 ft downstream from bridge on State Highway 168, 1.1 mi upstream from West Fork Pigeon Creek and 2.6 mi east of intersection of U.S. Highway 41 at Fort Branch.
DRAINAGE AREA.--35.4 mi².
PERIOD OF RECORD.--October 1986 to current year.
GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.2	e1.0	e3.5	e4.0	18	27	e4.9	74	14	25	e2.0	e2.4
2	e1.0	e1.0	e3.1	e3.5	20	20	e4.8	77	26	e8.2	e1.8	e2.3
3	e.89	e.95	e2.8	e3.2	25	18	e4.7	29	46	e3.5	e1.8	e2.2
4	e.70	e2.2	e4.5	e3.0	e15	16	e4.7	23	17	23	e1.7	e2.2
5	e.62	25	e6.5	e2.9	e11	84	e4.8	20	14	169	e217	e2.1
6	e.60	28	e4.8	e2.8	e9.7	55	e4.9	17	12	28	28	e2.0
7	e.57	e2.5	e4.1	33	e8.4	324	e4.9	15	11	e13	45	e2.0
8	e.61	e1.7	e3.8	e13	e7.3	97	e4.8	14	11	e8.0	e10	e2.5
9	e1.5	e39	e33	e8.6	e6.5	37	e4.6	15	20	e6.1	282	e2.1
10	e1.1	23	128	e9.4	e6.0	29	e4.5	12	13	e4.9	719	e1.9
11	e.90	e4.5	28	23	e5.6	24	e4.3	11	30	e4.0	26	e1.8
12	e.87	e2.8	12	20	e5.0	20	e6.0	11	18	e3.4	e9.9	e1.6
13	e.95	e2.2	9.7	14	e4.4	17	e5.0	79	e13	e3.0	e6.4	e1.5
14	e1.1	e2.0	e8.5	30	e4.8	e13	e4.6	113	e8.0	e2.8	e4.7	e1.5
15	e.91	e1.8	e7.9	20	167	e10	e4.3	20	e6.1	e24	e3.5	e1.4
16	e.80	e9.0	e15	14	118	e9.0	e5.6	46	e5.2	e9.0	e3.3	e1.5
17	e.75	e8.4	22	12	27	e8.2	e11	1520	e4.5	e4.0	e3.9	e1.6
18	e1.2	e4.0	12	26	28	e7.6	20	2020	e4.1	e2.7	e3.7	e1.6
19	e2.7	e3.0	9.9	93	30	e7.2	11	241	e3.8	e2.4	e3.4	e1.4
20	e2.1	e2.3	e8.8	30	29	e7.0	436	46	e3.7	e2.3	e3.3	e2.3
21	e1.9	e2.8	e7.9	18	21	e6.3	1370	31	e6.6	e2.5	e3.2	e2.0
22	e1.6	e3.5	e7.1	14	16	e5.9	96	23	e4.1	e4.3	e3.1	e1.6
23	e1.3	e3.0	e6.5	e9.0	16	e6.2	82	19	e3.4	21	e3.0	e1.4
24	e1.3	e2.7	e6.0	e7.1	13	e6.0	76	16	e7.5	e6.2	e2.9	e1.3
25	e1.2	e2.5	e5.5	e5.5	12	e5.5	35	28	e3.5	e3.5	e2.8	e1.3
26	e1.1	e2.4	e5.1	e5.0	13	e5.4	26	18	e6.0	e2.6	e2.7	e1.3
27	e1.1	e24	e4.8	e4.5	62	e8.0	22	57	e3.4	e2.1	e2.7	e1.4
28	e1.0	21	e4.5	286	88	e6.3	18	125	e2.7	e133	e2.6	e1.4
29	e.97	e6.7	e4.3	44	---	e5.6	16	28	86	e6.0	e2.6	e1.5
30	e.98	e4.2	e3.8	21	---	e5.3	16	19	63	e3.1	e2.5	e1.5
31	e1.0	---	e3.9	18	---	e5.0	---	15	---	e2.2	e2.5	---
TOTAL	34.52	237.15	387.3	797.5	786.7	895.5	2312.4	4782	466.6	532.8	1407.0	52.6
MEAN	1.11	7.90	12.5	25.7	28.1	28.9	77.1	154	15.6	17.2	45.4	1.75
MAX	2.7	39	128	286	167	324	1370	2020	86	169	719	2.5
MIN	.57	.95	2.8	2.8	4.4	5.0	4.3	11	2.7	2.1	1.7	1.3
CFSM	.03	.22	.35	.73	.79	.82	2.18	4.36	.44	.49	1.28	.05
IN.	.04	.25	.41	.84	.83	.94	2.43	5.03	.49	.56	1.48	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

MEAN	9.05	35.6	40.7	50.0	68.4	55.8	46.8	52.6	13.7	22.6	20.9	7.73
MAX	38.8	161	176	98.4	170	164	95.3	203	40.4	52.5	75.5	20.5
(WY)	1991	1994	1991	1991	1989	1989	1993	1990	1990	1989	1989	1989
MIN	.55	2.13	12.0	6.96	4.66	12.4	14.6	2.21	1.38	1.92	1.29	1.06
(WY)	1992	1988	1993	1987	1992	1994	1991	1988	1988	1994	1991	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1987 - 1995	
ANNUAL TOTAL	7341.29		12692.07			
ANNUAL MEAN	20.1		34.8		35.2	
HIGHEST ANNUAL MEAN					62.3	1989
LOWEST ANNUAL MEAN					12.7	1992
HIGHEST DAILY MEAN	800	Apr 30	2020	May 18	2020	May 18 1995
LOWEST DAILY MEAN	.57	Oct 7	.57	Oct 7	.28	Oct 4 1991
ANNUAL SEVEN-DAY MINIMUM	.71	Oct 2	.71	Oct 2	.39	Oct 2 1991
INSTANTANEOUS PEAK FLOW			2670	May 18	3430	Nov 14 1993
INSTANTANEOUS PEAK STAGE			15.82	May 18	17.17	Nov 14 1993
ANNUAL RUNOFF (CFSM)	.57		.98		.99	
ANNUAL RUNOFF (INCHES)	7.71		13.34		13.50	
10 PERCENT EXCEEDS	27		44		44	
50 PERCENT EXCEEDS	6.9		6.0		6.0	
90 PERCENT EXCEEDS	1.3		1.4		1.2	

e Estimated

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^2.
PERIOD OF RECORD.--September 1964 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 808.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor. Occasional regulation by Grand Lake, diversion from or into St. Marys River Basin, and into Miami and Erie Canals.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	33	28	e75	765	60	231	289	1550	60	47
2	12	17	23	25	e68	386	56	220	292	1020	51	39
3	9.9	24	18	e20	e64	202	54	204	733	492	46	36
4	9.0	18	15	e17	e59	145	56	190	356	242	48	31
5	8.3	16	20	e15	e54	121	49	186	185	154	403	28
6	6.9	20	23	e14	e51	257	44	182	141	119	1500	28
7	6.7	27	111	e14	e48	1070	46	176	120	98	1450	27
8	7.5	26	316	e13	e44	2060	49	171	255	81	2260	26
9	9.8	23	259	e13	e42	2500	220	176	470	67	3500	25
10	9.6	36	514	e14	e38	2430	1110	187	814	65	6050	29
11	14	125	444	e17	e35	1700	1660	210	1640	68	6580	24
12	13	80	318	171	e32	1030	1690	190	1260	57	5170	23
13	9.5	38	177	720	e31	671	1320	175	506	52	3780	23
14	8.5	25	118	648	e30	463	749	209	250	46	2280	24
15	7.1	19	92	938	e31	369	383	230	178	41	1230	27
16	5.7	17	106	749	e40	329	234	189	150	37	670	23
17	6.7	15	712	398	e50	294	188	221	125	40	830	20
18	8.7	14	731	227	e80	267	183	430	110	36	2130	19
19	9.9	13	348	203	125	251	242	1580	100	31	2710	19
20	10	13	183	1160	149	244	245	1850	93	28	2500	17
21	8.5	11	125	1820	166	242	841	2060	87	32	1580	18
22	16	10	100	1780	138	214	1560	1650	83	37	695	23
23	15	8.6	85	1040	118	205	1610	804	78	52	402	19
24	12	9.3	75	e360	144	166	1040	479	126	66	297	16
25	10	9.0	64	e180	143	94	593	383	391	49	231	16
26	11	9.5	54	e160	114	80	392	332	228	236	119	18
27	10	10	47	e140	115	79	323	290	1320	477	91	17
28	12	47	43	e120	554	84	274	494	1610	347	76	16
29	12	59	40	e105	---	77	245	539	1550	144	66	16
30	11	56	33	e93	---	70	233	416	1730	93	58	16
31	10	---	28	e83	---	63	---	337	---	73	55	---
TOTAL	314.3	806.4	5255	11285	2638	16928	15749	14991	15270	5930	46918	710
MEAN	10.1	26.9	170	364	94.2	546	525	484	509	191	1513	23.7
MAX	16	125	731	1820	554	2500	1690	2060	1730	1550	6580	47
MIN	5.7	8.6	15	13	30	63	44	171	78	28	46	16
CFSM	.02	.06	.37	.80	.21	1.21	1.16	1.07	1.12	.42	3.34	.05
IN.	.03	.07	.43	.93	.22	1.39	1.29	1.23	1.25	.49	3.85	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	92.7	304	510	486	686	779	671	340	331	276	161	106
MAX	553	1853	1514	1563	1717	2397	2085	1172	1914	1877	1513	753
(WY)	1991	1973	1991	1974	1976	1978	1972	1989	1981	1993	1995	1972
MIN	6.84	7.52	9.25	6.19	86.0	80.5	68.2	25.9	8.92	11.7	8.20	7.64
(WY)	1965	1966	1977	1977	1978	1981	1971	1988	1988	1965	1966	1967

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	106446.3		136794.7			
ANNUAL MEAN	292		375		394	
HIGHEST ANNUAL MEAN					710	1973
LOWEST ANNUAL MEAN					76.8	1966
HIGHEST DAILY MEAN	4600	Jan 30	6580	Aug 11	8460	Jul 4 1993
LOWEST DAILY MEAN	5.7	Oct 16	5.7	Oct 16	4.3	Jul 9 1988
ANNUAL SEVEN-DAY MINIMUM	8.0	Oct 13	8.0	Oct 13	5.1	Jul 7 1988
INSTANTANEOUS PEAK FLOW			6890	Aug 11	9560	Mar 17 1978
INSTANTANEOUS PEAK STAGE			13.11	Aug 11	13.87	Mar 17 1978
ANNUAL RUNOFF (CFSM)	.64		.83		.87	
ANNUAL RUNOFF (INCHES)	8.74		11.23		11.80	
10 PERCENT EXCEEDS	720		1190		1160	
50 PERCENT EXCEEDS	61		93		115	
90 PERCENT EXCEEDS	11		13		12	

e Estimated

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^2.

PERIOD OF RECORD.--January 1951 to current year.

REVISED RECORDS.--WSP 1909: 1959. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 700.04 ft above sea level, (levels by State of Indiana, Department of Natural Resources). Prior to July 5, 1951, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Huntington Lake since January 1969. 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.--44 years, 604 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,900 ft^3/s Feb. 10, 1959; maximum gage height 23.20 ft Feb 10, 1959 (backwater from ice); minimum daily discharge, 0.00 ft^3/s Sept. 12, 1989.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,950 ft^3/s Aug. 13; minimum daily discharge, 11 ft^3/s Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	65	85	81	200	660	96	373	375	2050	128	113
2	87	65	65	53	167	941	81	382	359	2440	127	104
3	87	64	65	52	133	513	87	275	690	3230	113	87
4	86	64	65	54	135	260	87	223	767	2450	95	77
5	86	64	65	47	141	233	69	287	631	1110	95	54
6	85	64	65	44	149	165	72	333	269	566	96	43
7	78	75	66	44	132	361	99	338	126	318	407	43
8	75	86	217	47	133	1420	87	298	530	148	2070	43
9	74	110	232	48	118	2270	81	233	614	112	2930	43
10	74	142	248	48	318	2880	618	260	468	113	2920	43
11	74	154	242	48	200	3080	1590	317	1290	113	3320	43
12	73	121	238	48	74	2990	2640	362	1910	113	4520	11
13	73	105	241	137	70	2820	3360	381	2060	113	4950	43
14	73	104	236	369	72	1650	2910	269	1240	104	4930	62
15	72	103	224	886	73	808	1250	223	383	94	3740	69
16	72	101	150	1070	78	455	576	298	339	95	1630	76
17	71	87	229	1030	107	285	590	333	267	95	918	54
18	71	76	261	339	118	310	382	344	197	107	1510	65
19	71	73	431	156	125	319	389	1090	169	104	2420	88
20	70	73	511	616	142	237	429	1070	169	94	2430	121
21	70	72	391	1440	165	219	426	1120	142	87	2430	134
22	69	71	147	2140	201	265	1310	1830	125	79	1200	133
23	69	70	92	2140	207	227	1000	2470	201	75	582	132
24	68	69	108	2090	150	205	1510	2560	216	75	254	131
25	68	69	111	1970	142	171	1670	1870	544	75	122	106
26	68	68	110	1240	157	137	795	1560	799	88	242	90
27	67	67	95	687	159	130	1540	1250	1270	175	293	85
28	67	67	73	395	162	116	733	773	1620	257	114	79
29	66	67	75	193	---	115	310	825	1710	260	57	79
30	66	66	80	110	---	115	340	667	1930	259	85	75
31	66	---	92	193	---	108	---	415	---	171	113	---
TOTAL	2283	2482	5310	17815	4028	24465	25127	23029	21410	15170	44841	2326
MEAN	73.6	82.7	171	575	144	789	838	743	714	489	1446	77.5
MAX	87	154	511	2140	318	3080	3360	2560	2060	3230	4950	134
MIN	66	64	65	44	70	108	69	223	125	75	57	11

CAL YR 1994 TOTAL 134161 MEAN 368 MAX 5360 MIN 26
WTR YR 1995 TOTAL 188286 MEAN 516 MAX 4950 MIN 11

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 former highway bridge, 5 mi east of Huntington, and at mile 7.5.
DRAINAGE AREA.--263 mi².
PERIOD OF RECORD.--October 1943 to current year. 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.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 728.10 ft above sea level. 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.--Records good except for estimated daily discharges, which are poor. During periods of extreme high water in the St. Marys River, some water leaves the St. Marys River basin through Junk Ditch and flows into Little River basin via Graham McCulloch Ditch.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	26	26	47	e80	552	70	95	96	505	29	17
2	18	41	26	e40	e84	256	68	97	92	232	30	20
3	17	30	25	e37	e84	195	65	75	123	143	35	19
4	16	26	23	e33	e79	132	63	70	98	104	36	18
5	17	39	25	e31	e76	126	58	76	76	89	45	17
6	17	88	26	e28	e72	138	56	72	70	74	72	15
7	17	65	264	e31	e68	e1580	55	65	99	62	44	16
8	18	41	296	e30	e65	e2570	87	60	807	53	33	22
9	22	37	134	e28	e62	1510	719	71	390	50	33	25
10	26	95	168	e27	e59	574	2310	93	407	48	36	23
11	22	60	114	e31	e56	375	2820	130	412	42	32	18
12	18	37	80	e66	e53	301	2180	100	184	39	30	16
13	18	35	63	165	e51	243	1210	81	121	38	26	18
14	19	27	54	157	e49	199	566	77	96	35	22	18
15	18	25	48	181	e57	167	341	67	78	136	25	19
16	18	25	50	137	113	143	250	57	67	953	28	18
17	18	22	221	97	90	124	193	70	60	293	24	19
18	18	21	172	87	86	107	217	79	55	141	44	18
19	25	22	104	218	85	100	266	285	52	84	37	16
20	29	22	77	1930	86	111	185	213	51	66	30	17
21	22	24	64	1920	88	226	268	127	48	58	25	20
22	21	30	59	759	84	143	303	91	43	50	21	21
23	21	30	55	e280	78	111	196	73	42	54	20	20
24	21	22	52	e195	76	96	159	270	83	125	19	21
25	21	22	46	e155	75	83	131	649	242	71	19	20
26	21	20	43	e131	74	76	114	300	144	53	19	18
27	19	23	41	e110	83	72	107	169	935	68	19	19
28	19	75	39	e93	909	75	95	415	1190	53	18	18
29	18	56	34	e85	---	72	84	313	1160	45	19	18
30	19	33	31	e79	---	72	88	163	1020	34	20	18
31	20	---	40	e77	---	71	---	117	---	32	18	---
TOTAL	611	1119	2500	7285	2922	10600	13324	4620	8341	3830	908	562
MEAN	19.7	37.3	80.6	235	104	342	444	149	278	124	29.3	18.7
MAX	29	95	296	1930	909	2570	2820	649	1190	953	72	25
MIN	16	20	23	27	49	71	55	57	42	32	18	15
CFSM	.07	.14	.31	.89	.40	1.30	1.69	.57	1.06	.47	.11	.07
IN.	.09	.16	.35	1.03	.41	1.50	1.88	.65	1.18	.54	.13	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1995, BY WATER YEAR (WY)

MEAN	86.4	162	276	319	395	487	425	228	220	99.8	59.8	53.7
MAX	701	1137	1010	1693	1164	1765	1396	555	809	630	501	414
(WY)	1955	1993	1967	1950	1959	1982	1957	1974	1958	1986	1958	1992
MIN	5.72	10.2	8.93	6.25	17.5	90.7	40.3	35.2	22.3	15.9	7.76	4.22
(WY)	1963	1965	1964	1977	1964	1981	1946	1963	1988	1962	1963	1962

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1945 - 1995	
ANNUAL TOTAL	61842		56622			
ANNUAL MEAN	169		155		233	
HIGHEST ANNUAL MEAN					450	1950
LOWEST ANNUAL MEAN					67.0	1954
HIGHEST DAILY MEAN	3970	Apr 13	2820	Apr 11	5610	Mar 14 1982
LOWEST DAILY MEAN	16	Oct 4	15	Sep 6	1.1	Oct 8 1946
ANNUAL SEVEN-DAY MINIMUM	17	Oct 1	17	Oct 1	1.8	Oct 7 1946
INSTANTANEOUS PEAK FLOW			3080	Apr 10	5990	Jan 4 1950
INSTANTANEOUS PEAK STAGE			14.33	Apr 10	19.50	Feb 25 1985
ANNUAL RUNOFF (CFSM)	.64		.59		.89	
ANNUAL RUNOFF (INCHES)	8.75		8.01		12.05	
10 PERCENT EXCEEDS	301		282		579	
50 PERCENT EXCEEDS	55		63		67	
90 PERCENT EXCEEDS	19		19		13	

e Estimated

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^2.
PERIOD OF RECORD.--March 1957 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 784.65 ft above sea level, (levels by State of Indiana, Department of Natural Resources). Prior to July 28, 1960, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	35	101	58	e100	827	85	145	130	759	41	26
2	15	32	76	e48	131	359	79	140	125	333	40	23
3	12	28	63	e42	174	218	78	127	672	207	41	21
4	12	32	59	e38	e148	165	77	120	494	148	47	18
5	11	39	58	e36	e113	151	72	119	232	117	140	20
6	11	60	55	e33	e103	259	68	113	160	101	803	21
7	12	74	160	e34	e94	1750	72	109	155	86	343	22
8	12	76	509	e35	e87	4300	85	106	1060	73	209	27
9	19	60	309	e36	e80	3500	550	117	743	67	1510	25
10	20	52	555	e37	e77	1130	2250	132	1720	68	1670	21
11	22	158	416	e40	e61	638	2720	173	2680	64	372	20
12	23	206	253	73	e54	497	1730	167	831	61	140	19
13	26	144	166	1530	e48	356	1270	136	382	58	91	17
14	20	109	123	623	e44	283	589	386	246	53	72	14
15	19	91	98	877	e54	233	370	530	174	54	63	15
16	17	61	93	725	e68	200	281	256	135	64	57	17
17	15	58	806	326	e90	174	230	243	111	89	64	20
18	15	53	852	222	125	151	323	628	99	62	161	20
19	16	53	331	351	143	138	426	3330	92	51	260	19
20	12	55	199	3200	177	135	272	3180	83	52	93	20
21	13	57	146	4310	204	142	752	1520	82	64	56	25
22	17	53	120	2600	185	148	2060	428	78	70	39	25
23	14	51	104	738	146	130	701	265	257	76	30	23
24	17	51	94	420	173	117	376	724	482	93	25	22
25	19	52	83	e225	186	102	293	928	229	109	22	19
26	22	54	76	e180	148	92	238	407	196	134	20	21
27	25	69	70	e150	140	91	207	256	1330	205	19	21
28	24	90	65	e126	507	93	173	204	1240	220	17	19
29	24	259	64	e110	---	93	148	376	2000	81	23	18
30	25	160	59	e100	---	92	145	227	1990	55	27	17
31	27	---	58	e91	---	88	---	157	---	46	29	---
TOTAL	550	2372	6221	17414	3660	16652	16720	15749	18208	3720	6524	615
MEAN	17.7	79.1	201	562	131	537	557	508	607	120	210	20.5
MAX	27	259	852	4310	507	4300	2720	3330	2680	759	1670	27
MIN	11	28	55	33	44	88	68	106	78	46	17	14
CFSM	.04	.19	.47	1.32	.31	1.26	1.31	1.20	1.43	.28	.50	.05
IN.	.05	.21	.54	1.52	.32	1.46	1.46	1.38	1.59	.33	.57	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	88.9	322	493	476	637	861	720	342	339	223	121	98.3
MAX	489	1794	1685	1724	1906	2616	2214	1353	2312	1313	991	894
(WY)	1991	1993	1991	1974	1976	1978	1964	1989	1958	1993	1990	1972
MIN	8.13	13.7	11.4	6.12	19.2	103	74.5	32.8	16.7	23.8	11.8	9.22
(WY)	1964	1964	1977	1977	1964	1981	1976	1988	1988	1967	1965	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1958 - 1995	
ANNUAL TOTAL	87550.1		108405			
ANNUAL MEAN	240		297		392	
HIGHEST ANNUAL MEAN					665	1993
LOWEST ANNUAL MEAN					109	1966
HIGHEST DAILY MEAN	6150	Apr 12	4310	Jan 21	10700	Feb 24 1985
LOWEST DAILY MEAN	5.7	Sep 23	11	Oct 5	5.1	Jan 2 1977
ANNUAL SEVEN-DAY MINIMUM	7.6	Sep 18	12	Oct 2	5.9	Dec 29 1976
INSTANTANEOUS PEAK FLOW			4610	Jan 21	13200	Feb 10 1959
INSTANTANEOUS PEAK STAGE			10.93	Jan 21	17.05	Feb 10 1959
ANNUAL RUNOFF (CFSM)	.56		.70		.92	
ANNUAL RUNOFF (INCHES)	7.66		9.49		12.53	
10 PERCENT EXCEEDS	457		730		950	
50 PERCENT EXCEEDS	75		94		92	
90 PERCENT EXCEEDS	16		20		17	

e Estimated

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 mi².

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

REVISED RECORDS.--WSP 1275: 1931(M), 1932, 1933(M), 1935-36(M), 1938-40(M), 1941-42, 1945, 1952. WSP 1335: 1934(M). WSP 1555: 1952, 1955-56(M), 1957. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 673.96 ft above sea level, (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1951, non-recording gage at site 1.5 mi upstream at datum 688.59 ft above sea level, (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 above sea level, (levels by U.S. Army Corps of Engineers). Oct. 9, 1961, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph.

REMARKS.--Flow regulated by Salamonie Lake since April 1967.

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

AVERAGE DISCHARGE.--71 years, 514 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/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 ft³/s Oct. 30, 1968, result of abnormal regulation.

EXTREMES FOR CURRENT YEAR.-- Maximum daily discharge, 3,450 ft³/s Jan. 22; minimum daily, 20 ft³/s Apr. 4-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	167	171	127	177	659	99	48	157	2000	48	26
2	328	167	170	68	169	694	99	48	157	1110	37	26
3	328	167	121	52	169	276	59	48	157	562	26	26
4	466	355	90	52	201	195	20	48	478	560	26	26
5	1090	680	105	52	199	214	20	48	584	403	26	26
6	1490	482	112	52	135	222	20	48	369	339	89	26
7	1460	167	150	52	104	495	20	48	201	161	121	26
8	1440	166	170	52	123	394	20	48	789	95	391	26
9	1410	166	173	52	119	832	21	48	1390	95	1120	26
10	1380	166	644	65	95	1580	22	80	1540	95	1630	26
11	733	526	583	71	90	1790	81	175	2290	77	1320	26
12	24	978	172	98	90	1750	112	176	2500	54	403	26
13	24	637	173	203	105	1710	114	164	1790	48	70	26
14	24	168	173	330	133	1660	115	164	739	48	70	26
15	24	168	173	558	125	1600	116	704	434	48	70	26
16	24	167	172	798	112	1280	116	521	338	63	39	26
17	24	167	448	729	112	690	116	338	229	70	26	26
18	24	555	613	405	147	249	148	339	120	70	26	244
19	24	971	442	303	186	217	65	780	120	54	84	336
20	24	628	600	1460	195	174	46	1440	120	35	120	335
21	24	166	450	2990	195	168	47	1450	120	26	120	335
22	24	165	221	3450	213	202	47	2120	120	26	120	334
23	24	254	166	3120	221	198	47	2460	69	41	68	333
24	93	383	117	1470	190	178	48	2120	73	48	32	332
25	174	376	104	364	161	133	48	2200	171	48	26	331
26	173	370	95	430	169	104	48	1740	203	48	141	330
27	173	285	90	358	205	98	48	655	434	63	205	330
28	324	172	90	355	222	98	48	655	1520	230	26	329
29	549	172	90	217	---	98	48	654	1980	295	26	328
30	403	171	90	149	---	99	48	653	2180	120	26	327
31	168	---	123	172	---	99	---	286	---	48	26	---
TOTAL	12799	10162	7091	18654	4362	18156	1906	20306	21372	6980	6558	4666
MEAN	413	339	229	602	156	586	63.5	655	712	225	212	156
MAX	1490	978	644	3450	222	1790	148	2460	2500	2000	1630	336
MIN	24	165	90	52	90	98	20	48	69	26	26	26

CAL YR 1994 TOTAL 116679 MEAN 320 MAX 2560 MIN 13
WTR YR 1995 TOTAL 133012 MEAN 364 MAX 3450 MIN 20

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 mi².
PERIOD OF RECORD.--August 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 1275: 1931-37(M), 1938-39, 1940(M). WSP 1385: 1942. WSP 1505: 1955. WSP 2109: Drainage area. WDR IN-84-1: 1983.
GAGE.--Water-stage recorder. Datum of gage is 642.66 ft above sea level. Prior to Sept. 30, 1954, nonrecording gage at same site and datum.
REMARKS.--Records good except for Mar. 15 - July 31 which are fair, and estimated daily discharges, which are poor. Flow regulated by Huntington Lake and Salamonie Lake. Annual mean does not include the 1936 water-year.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.7 ft Mar. 26, 1913, from floodmark, determined by U.S. Army Corps of Engineers, discharge, 90,000 ft³/s, from rating curve extended above 49,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	435	300	334	380	722	1680	414	766	932	4540	e335	178
2	431	291	387	293	682	2410	400	820	883	3660	e371	171
3	431	300	307	e274	666	1620	340	765	966	3430	e400	158
4	547	357	206	e252	615	814	321	576	1540	3540	e433	131
5	898	825	210	e230	e580	844	306	596	1780	1900	e460	119
6	1500	788	223	e211	e520	818	263	703	1100	1130	e470	103
7	1490	366	400	e192	e472	3760	247	727	676	746	e560	90
8	1480	343	950	e191	e430	6820	363	689	2480	397	e1400	89
9	1480	351	963	e198	e390	5600	1040	637	3320	274	e2700	91
10	1450	426	1280	e209	e360	5590	5700	579	3030	278	e4000	96
11	1140	670	1580	e220	e333	5840	6420	828	4080	273	e4940	93
12	154	1410	756	283	e350	5600	6450	925	4600	255	4480	89
13	140	1160	719	547	e330	5320	5820	921	4390	242	4860	80
14	138	420	702	948	e304	4620	4790	953	2980	245	e3800	82
15	135	400	688	1910	e270	3320	3030	1090	1150	229	e2650	107
16	136	389	668	2510	e281	2760	1440	1270	971	1220	2140	131
17	135	387	862	2500	312	1740	1330	1060	763	875	1290	145
18	132	605	1660	1700	404	962	1430	1090	568	448	904	250
19	146	1270	1090	988	485	990	1060	2320	473	340	2440	431
20	136	1090	1700	5090	546	908	1330	3360	462	251	2490	460
21	136	341	1540	7430	602	985	890	3100	479	212	2500	506
22	136	333	847	7150	635	959	2020	3790	483	193	1960	509
23	130	362	480	6280	727	945	2290	5010	399	194	795	517
24	149	584	411	4900	642	725	1170	5330	477	342	595	511
25	296	574	391	3040	474	726	3230	5390	1010	307	233	495
26	296	567	369	e2100	512	537	766	4480	1520	230	225	452
27	295	532	325	e1450	599	470	2070	2720	2820	243	679	432
28	341	350	308	e1100	1050	463	1700	2260	5220	484	267	413
29	687	382	251	e730	---	446	729	2380	5080	622	199	399
30	630	363	233	e630	---	439	716	2050	5070	535	190	396
31	293	---	262	e560	---	434	---	1340	---	391	185	---
TOTAL	15923	16536	21102	54496	14293	69145	58075	58525	59702	28026	48951	7724
MEAN	514	551	681	1758	510	2230	1936	1888	1990	904	1579	257
MAX	1500	1410	1700	7430	1050	6820	6450	5390	5220	4540	4940	517
MIN	130	291	206	191	270	434	247	576	399	193	185	80
CFSM	.29	.31	.39	.99	.29	1.26	1.09	1.07	1.13	.51	.89	.15
IN.	.34	.35	.44	1.15	.30	1.45	1.22	1.23	1.26	.59	1.03	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	996	1882	1852	2565	2081	2141	2315	1300	1711	1591	893	985
MAX	2534	5044	4452	5731	5732	4207	3555	3103	4648	4776	2179	2552
(WY)	1991	1993	1991	1991	1990	1993	1993	1990	1989	1993	1990	1992
MIN	444	551	345	844	510	831	1219	155	78.3	109	111	210
(WY)	1989	1995	1990	1988	1995	1989	1990	1988	1988	1988	1991	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	367041		452498			
ANNUAL MEAN	1006		1240		1690	
HIGHEST ANNUAL MEAN					2753	1993
LOWEST ANNUAL MEAN					979	1988
HIGHEST DAILY MEAN	10800	Apr 12	7430	Jan 21	14900	Dec 30 1990
LOWEST DAILY MEAN	75	Sep 1	80	Sep 13	48	Jul 8 1988
ANNUAL SEVEN-DAY MINIMUM	98	Aug 30	89	Sep 8	51	Jul 4 1988
INSTANTANEOUS PEAK FLOW			8570	Apr 10	49600	May 18 1943
INSTANTANEOUS PEAK STAGE			12.28	Apr 10	24.44	Feb 11 1959
ANNUAL RUNOFF (CFSM)	.57		.70		.96	
ANNUAL RUNOFF (INCHES)	7.72		9.52		12.98	
10 PERCENT EXCEEDS	2500		3590		4630	
50 PERCENT EXCEEDS	459		602		833	
90 PERCENT EXCEEDS	129		196		191	

e Estimated

03325311 LITTLE MISSISSINEWA RIVER AT UNION CITY, IN

LOCATION.--Lat 40°11'46", long 84°49'45", in SE¼SE¼ 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 mi².
PERIOD OF RECORD.--October 1982 to current year.
GAGE.--Water-stage recorder. Datum of gage is 1075.50 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.29	.09	.24	e2.7	9.7	2.3	5.0	12	11	1.2	.05
2	.04	.23	.08	.10	2.9	5.9	2.2	4.5	24	4.3	1.1	.05
3	.04	.14	.08	.08	3.4	4.7	2.1	3.3	30	3.1	1.1	.05
4	.05	.15	.07	.06	3.3	3.9	2.1	3.3	16	2.6	1.4	.05
5	.06	.34	.13	e.06	e2.7	4.3	1.9	3.1	11	2.3	2.8	.05
6	.06	.42	.08	e.06	e2.5	6.3	2.1	2.9	8.5	2.2	3.2	.05
7	.06	.21	.16	e.05	e2.3	67	1.9	2.9	6.3	2.0	2.0	.05
8	.07	.15	.14	e.06	e2.2	94	1.9	2.9	4.5	1.9	27	.15
9	.23	.28	1.1	e.07	e2.1	58	6.2	3.2	3.6	1.8	10	.12
10	.20	.47	2.0	e.10	e2.0	40	10	3.2	4.7	1.8	3.2	.06
11	.14	.22	2.2	e.45	e2.0	31	10	2.9	3.9	1.7	1.5	.05
12	e.11	.15	.99	6.1	e1.9	20	22	2.7	3.1	1.6	.91	.05
13	.14	.09	.69	5.0	e1.9	14	14	2.7	2.8	1.5	.61	.17
14	.20	.08	.47	8.7	e1.9	11	8.5	19	2.6	1.4	.44	.32
15	e.17	.08	.34	19	e2.2	8.7	6.4	11	2.5	8.2	.33	.16
16	e.11	.09	.68	9.7	e2.7	7.1	5.2	7.5	2.4	7.2	.25	.11
17	e.17	.08	6.8	5.8	e3.2	5.3	4.3	9.6	2.3	3.0	.22	.10
18	.23	.08	2.9	3.8	e3.8	4.4	4.4	111	2.2	2.2	.22	.08
19	.26	.06	1.3	4.1	4.4	4.4	3.4	262	2.2	1.9	.18	.07
20	.25	.08	.94	34	5.6	4.5	3.7	85	2.3	1.7	.13	.13
21	e.19	.12	.70	26	5.3	5.3	98	48	2.2	1.8	.12	.13
22	e.12	.11	.59	13	4.1	4.1	65	29	2.2	1.6	.08	.11
23	.17	.08	.53	8.1	4.4	3.6	38	20	5.6	1.5	.07	.11
24	.06	e.07	.40	5.3	4.1	2.9	28	13	8.1	1.5	.06	.12
25	.12	e.06	.32	e4.2	3.8	2.7	21	34	8.7	6.8	.06	.09
26	.19	.08	.25	e3.5	3.6	2.8	16	27	9.0	3.8	.05	.08
27	e.16	.18	.25	e3.3	3.6	2.9	12	16	9.4	2.2	.05	.07
28	e.13	.57	.25	e3.0	14	2.6	8.3	41	6.5	1.8	.05	.07
29	e.12	.22	.19	e2.8	---	2.5	6.8	43	3.7	1.6	.05	.08
30	e.10	.13	.15	e2.6	---	2.4	5.9	23	9.5	1.4	.05	.08
31	e.10	---	.16	e2.5	---	2.3	---	16	---	1.3	.05	---
TOTAL	4.10	5.31	25.03	171.83	98.6	438.3	413.6	857.7	211.8	88.7	58.48	2.86
MEAN	.13	.18	.81	5.54	3.52	14.1	13.8	27.7	7.06	2.86	1.89	.095
MAX	.26	.57	6.8	34	14	94	98	262	30	11	27	.32
MIN	.04	.06	.07	.05	1.9	2.3	1.9	2.7	2.2	1.3	.05	.05
CFSM	.01	.02	.08	.57	.36	1.46	1.43	2.86	.73	.30	.20	.01
IN.	.02	.02	.10	.66	.38	1.69	1.59	3.30	.81	.34	.22	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1995, BY WATER YEAR (WY)

MEAN	3.56	11.3	12.7	8.59	14.2	15.6	17.2	11.2	8.38	10.8	2.05	2.37
MAX	23.1	42.9	53.4	21.4	38.6	29.9	33.7	27.7	24.2	33.5	11.2	24.0
(WY)	1987	1994	1991	1993	1990	1993	1989	1995	1987	1992	1990	1989
MIN	.035	.084	.81	1.19	3.52	3.05	8.60	.93	.23	.065	.004	.000
(WY)	1983	1988	1995	1988	1995	1983	1991	1988	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1983 - 1995	
ANNUAL TOTAL	1823.49		2376.31			
ANNUAL MEAN	5.00		6.51		9.79	
HIGHEST ANNUAL MEAN					14.8	1986
LOWEST ANNUAL MEAN					3.53	1988
HIGHEST DAILY MEAN	157	Jan 28	262	May 19	480	Dec 30 1990
LOWEST DAILY MEAN	.03	Sep 30	.04	Oct 2	.00	Oct 1 1982
ANNUAL SEVEN-DAY MINIMUM	.05	Sep 28	.05	Aug 26	.00	Aug 20 1983
INSTANTANEOUS PEAK FLOW			377	May 19	625	Nov 14 1993
INSTANTANEOUS PEAK STAGE			6.73	May 19	8.67	Jun 3 1987
ANNUAL RUNOFF (CFSM)	.52		.67		1.01	
ANNUAL RUNOFF (INCHES)	7.01		9.14		13.76	
10 PERCENT EXCEEDS	9.6		14		26	
50 PERCENT EXCEEDS	1.6		2.1		2.8	
90 PERCENT EXCEEDS	.09		.07		.08	

e Estimated

03325500 MISSISSINEWA RIVER NEAR RIDGEVILLE, IN

LOCATION.--Lat 40°16'48", long 84°59'33", in NW¼NW¼ sec.17, T.21 N., R.14 E., Randolph County, Hydrologic Unit 05120103, on left bank 800 ft upstream from county road bridge, 0.6 mi downstream from Mud Creek, 2 mi east of Ridgeville, and at mile 99.7.
DRAINAGE AREA.--133 mi².
PERIOD OF RECORD.--August 1946 to current year.
REVISED RECORDS.--WSP 1235: 1948. WSP 1335: 1953. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 965.28 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 5, 1950, nonrecording gage at same site and datum. Prior to Oct. 15, 1994, at site 800 ft downstream, at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	30	8.0	16	29	133	23	54	69	96	e11	e1.6
2	1.9	1.8	5.8	16	41	74	22	52	277	38	e12	e1.6
3	1.4	.69	5.2	26	54	54	22	42	273	26	e17	e1.6
4	.85	1.2	4.4	e10	48	44	22	40	120	23	e23	e1.6
5	.88	14	6.2	e9.5	e39	66	20	41	83	20	e33	e2.3
6	1.1	51	7.6	e9.3	e29	170	20	36	68	19	e27	e3.6
7	1.2	40	48	e9.3	e26	e1300	20	34	55	e19	e80	4.3
8	.93	28	53	e9.3	e24	e1600	21	32	51	e17	e310	8.0
9	5.6	34	165	e11	e21	e750	59	36	42	e16	e180	12
10	7.0	67	194	e13	e20	e470	588	39	95	e15	e60	7.8
11	5.7	29	151	e15	e18	e350	337	45	65	e14	e28	5.7
12	3.6	15	67	193	e18	e260	433	36	45	e13	e15	5.7
13	2.3	9.7	44	139	e15	e190	223	32	36	e15	e9.0	9.4
14	2.3	7.4	34	182	e19	e140	118	194	30	e78	e6.5	14
15	e3.3	6.0	28	343	e19	e120	86	99	27	e38	e4.7	8.2
16	3.5	5.0	92	138	e25	e100	71	65	27	e25	e3.8	6.0
17	1.4	4.7	343	82	e44	e78	61	99	24	e19	e3.3	6.2
18	1.3	5.1	114	63	e63	e62	68	1490	23	e18	e2.7	6.5
19	1.3	5.1	65	67	79	e58	64	3630	22	e17	e2.4	6.2
20	2.4	5.4	47	718	85	e76	52	963	22	e17	e2.0	8.0
21	19	6.0	36	393	83	e50	1670	302	23	e16	e1.9	11
22	3.9	6.7	31	159	54	e38	582	174	e44	e15	e1.8	9.1
23	3.2	8.2	28	100	68	e33	254	120	e54	e14	e1.7	7.3
24	4.1	8.6	25	74	73	30	192	89	e82	e30	e1.6	6.4
25	5.2	9.3	23	e60	52	26	153	88	e98	e59	e1.6	6.3
26	7.4	9.3	20	e50	47	26	124	91	e103	e27	e1.6	6.4
27	8.3	12	19	e40	50	28	97	69	e91	e21	e1.6	6.4
28	6.1	52	19	e35	284	27	74	132	38	e17	e1.6	6.2
29	5.2	28	17	e32	---	25	62	217	38	e14	e1.6	5.1
30	4.8	13	15	e28	---	24	59	118	67	e12	e1.6	4.7
31	5.7	---	16	e26	---	24	---	83	---	e12	e1.6	---
TOTAL	123.06	513.19	1731.2	3066.4	1427	6426	5597	8542	2092	780	848.6	189.2
MEAN	3.97	17.1	55.8	98.9	51.0	207	187	276	69.7	25.2	27.4	6.31
MAX	19	67	343	718	284	1600	1670	3630	277	96	310	14
MIN	.85	.69	4.4	9.3	15	24	20	32	22	12	1.6	1.6
CFSM	.03	.13	.42	.74	.38	1.56	1.40	2.07	.52	.19	.21	.05
IN.	.03	.14	.48	.86	.40	1.80	1.57	2.39	.59	.22	.24	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	30.3	97.1	150	178	205	253	221	118	142	99.2	41.0	31.6
MAX	272	729	872	865	548	714	810	352	1417	709	454	337
(WY)	1987	1994	1991	1950	1950	1978	1964	1981	1958	1979	1979	1972
MIN	1.25	1.82	2.62	3.25	5.00	46.1	25.8	15.3	6.52	2.37	2.13	.99
(WY)	1947	1954	1964	1977	1964	1957	1976	1988	1988	1952	1983	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	26216.85		31335.65			
ANNUAL MEAN	71.8		85.9		130	
HIGHEST ANNUAL MEAN					223	1958
LOWEST ANNUAL MEAN					29.8	1954
HIGHEST DAILY MEAN	3500	Jan 28	3630	May 19	11300	Jun 10 1958
LOWEST DAILY MEAN	.69	Nov 3	.69	Nov 3	.10	Oct 24 1946
ANNUAL SEVEN-DAY MINIMUM	1.2	Oct 2	1.2	Oct 2	.23	Oct 5 1946
INSTANTANEOUS PEAK FLOW			4150	May 19	13900	Jun 10 1958
INSTANTANEOUS PEAK STAGE			14.18	May 19	16.25	Jun 10 1958
ANNUAL RUNOFF (CFSM)	.54		.65		.98	
ANNUAL RUNOFF (INCHES)	7.33		8.76		13.28	
10 PERCENT EXCEEDS	127		161		278	
50 PERCENT EXCEEDS	18		26		28	
90 PERCENT EXCEEDS	3.6		3.0		3.8	

e Estimated

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 mi².
PERIOD OF RECORD.--July 1971 to current year.
GAGE.--Water-stage recorder. Datum of gage is 865.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.98	e1.5	5.6	8.0	e5.4	36	5.5	6.7	6.4	8.3	1.2	1.2
2	.92	e2.1	4.1	e6.0	e5.8	16	5.2	6.1	39	5.4	1.2	1.1
3	1.0	e1.5	3.4	e4.0	e5.2	9.9	4.9	5.2	60	4.3	1.1	1.1
4	1.0	e1.3	3.0	e3.0	e4.6	7.5	4.8	5.1	15	4.0	4.2	1.1
5	1.0	2.7	3.3	e2.6	e4.2	22	4.0	5.4	11	3.5	9.4	1.0
6	1.0	6.0	4.1	e2.4	e3.9	68	4.3	5.0	8.6	3.1	5.7	.95
7	1.1	2.7	114	e2.3	e3.6	354	4.1	4.6	8.5	2.6	2.8	1.1
8	1.1	1.4	78	e2.4	e3.3	258	13	4.3	21	2.4	2.0	1.4
9	2.4	2.0	105	e2.5	e3.1	78	74	5.1	9.5	2.5	7.5	1.9
10	2.9	13	108	e2.6	e3.0	41	126	5.4	103	2.9	3.6	1.4
11	1.6	4.0	63	e3.5	e2.8	30	76	7.7	39	2.3	2.0	e1.1
12	1.2	2.0	37	112	e2.6	19	132	5.1	14	2.2	1.4	e.82
13	1.1	1.4	25	85	e2.5	15	42	4.5	9.5	2.2	1.3	e.64
14	.91	1.2	17	73	e2.4	13	18	90	7.3	2.0	.86	e.80
15	1.1	1.0	13	105	e2.5	12	12	19	6.1	2.1	.76	e1.0
16	1.1	.86	70	55	e4.4	9.9	9.0	11	5.1	2.4	.81	e.86
17	.95	.82	220	37	e7.8	8.5	7.1	45	4.6	2.2	1.0	e.78
18	e1.0	.80	80	29	15	7.2	20	170	4.4	1.8	1.6	e.74
19	e1.1	.76	44	98	18	7.1	14	368	4.4	1.6	1.0	e.80
20	e1.4	.71	30	606	20	7.7	9.4	78	4.6	1.6	.79	e.92
21	e1.1	.81	22	224	19	15	214	27	4.4	2.8	.69	e1.1
22	e1.0	.85	18	71	11	10	66	15	4.4	3.4	.65	e.84
23	e1.1	.83	16	35	16	8.9	20	12	4.3	4.4	.65	e.78
24	e1.0	.81	13	22	17	7.2	15	9.9	6.9	4.9	.75	e1.0
25	e1.1	.78	12	e15	11	6.0	11	8.6	9.1	16	.66	e.90
26	e1.2	.87	9.2	e11	9.4	5.4	7.8	7.3	52	8.8	.80	e.84
27	e1.0	1.3	8.2	e9.0	14	6.1	6.7	6.6	18	6.6	.97	e.80
28	e.96	112	7.6	e7.2	104	7.9	5.0	27	21	2.9	.88	e.78
29	e.94	38	7.5	e6.0	---	7.0	5.2	14	22	1.9	1.2	e.76
30	e.92	12	6.8	e5.0	---	6.3	6.8	8.8	21	1.5	1.4	e.74
31	e1.1	---	7.3	e5.2	---	5.8	---	7.0	---	1.3	1.1	---
TOTAL	36.28	216.00	1155.1	1649.7	321.5	1105.4	942.8	994.4	544.1	113.9	59.97	29.25
MEAN	1.17	7.20	37.3	53.2	11.5	35.7	31.4	32.1	18.1	3.67	1.93	.97
MAX	2.9	112	220	606	104	354	214	368	103	16	9.4	1.9
MIN	.91	.71	3.0	2.3	2.4	5.4	4.0	4.3	4.3	1.3	.65	.64
CFSM	.04	.25	1.28	1.82	.39	1.22	1.08	1.10	.62	.13	.07	.03
IN.	.05	.28	1.47	2.10	.41	1.41	1.20	1.27	.69	.15	.08	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

MEAN	7.49	28.7	38.9	31.8	43.7	58.2	42.4	23.9	27.6	18.9	8.46	8.10
MAX	53.4	135	157	92.7	124	152	112	114	148	99.4	45.9	55.0
(WY)	1991	1986	1991	1974	1990	1978	1972	1981	1981	1992	1980	1972
MIN	.92	1.26	1.63	.76	3.41	9.38	4.85	2.37	1.21	1.11	.95	.61
(WY)	1983	1977	1977	1977	1978	1983	1976	1988	1988	1977	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1972 - 1995	
ANNUAL TOTAL	5527.87		7168.40			
ANNUAL MEAN	15.1		19.6		28.1	
HIGHEST ANNUAL MEAN					43.3	1993
LOWEST ANNUAL MEAN					9.21	1977
HIGHEST DAILY MEAN	472	Apr 12	606	Jan 20	1580	Jun 6 1981
LOWEST DAILY MEAN	.71	Nov 20	.64	Sep 13	.19	Oct 4 1983
ANNUAL SEVEN-DAY MINIMUM	.79	Nov 19	.71	Aug 20	.32	Sep 28 1983
INSTANTANEOUS PEAK FLOW			784	Jan 20	1940	Jun 6 1981
INSTANTANEOUS PEAK STAGE			12.73	Jan 20	16.14	Jun 6 1981
ANNUAL RUNOFF (CFSM)	.52		.67		.96	
ANNUAL RUNOFF (INCHES)	7.04		9.13		13.07	
10 PERCENT EXCEEDS	29		48		66	
50 PERCENT EXCEEDS	3.4		5.0		5.9	
90 PERCENT EXCEEDS	1.1		.89		1.2	

e Estimated

03326500 MISSISSINEWA 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 mi².
PERIOD OF RECORD.--September 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1927(M). WSP 1385: 1948. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 774.56 ft above sea level. Prior to Dec. 9, 1933, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow periodically regulated by dam 0.1 mile above station. 1930 water year not used in summary statistics.
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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	52	115	112	e230	894	194	311	379	1800	104	57
2	47	40	109	105	245	649	186	292	350	944	96	54
3	44	14	93	80	267	408	182	273	861	558	89	50
4	40	11	82	e70	306	317	179	258	1080	383	406	50
5	40	20	79	e66	277	290	168	244	549	303	309	48
6	38	77	81	e62	187	408	159	236	393	254	667	46
7	38	89	199	e64	e160	1110	157	226	361	214	579	44
8	49	86	392	e66	e150	2150	192	216	373	188	292	51
9	56	95	288	e68	e140	2340	398	215	367	170	406	51
10	45	105	502	e72	e130	2080	1100	227	1130	156	1180	53
11	46	130	595	e80	e125	1180	2070	248	1290	144	600	51
12	45	114	439	113	e120	987	2040	250	700	134	268	49
13	45	118	324	531	e115	779	1710	238	473	124	182	49
14	42	100	235	734	e110	588	998	616	328	116	137	50
15	41	86	193	710	e120	490	706	1190	255	108	111	49
16	42	77	186	1050	e140	426	521	748	229	108	98	49
17	52	70	625	612	e170	378	436	558	199	103	94	48
18	58	66	1070	428	e220	334	489	959	186	96	91	46
19	58	62	575	470	284	306	643	5760	174	108	323	47
20	58	63	365	2720	301	299	532	6880	82	106	322	51
21	54	67	276	4400	339	302	832	4910	95	102	162	50
22	59	61	227	2540	333	295	2840	1460	147	123	e130	49
23	59	59	199	1080	291	271	2140	840	147	136	e100	47
24	205	59	182	702	281	248	913	896	204	146	e86	45
25	51	60	164	476	297	227	707	873	538	139	76	45
26	47	60	150	e350	274	209	606	567	584	223	68	44
27	48	97	137	e300	254	206	521	456	1370	576	63	43
28	50	113	128	e270	442	211	443	413	1390	591	61	43
29	47	255	124	e250	---	213	371	829	1930	260	61	43
30	49	148	115	e230	---	208	333	742	3330	169	59	42
31	51	---	111	e220	---	200	---	504	---	125	59	---
TOTAL	1647	2454	8360	19031	6308	19003	22766	32435	19494	8707	7279	1444
MEAN	53.1	81.8	270	614	225	613	759	1046	650	281	235	48.1
MAX	205	255	1070	4400	442	2340	2840	6880	3330	1800	1180	57
MIN	38	11	79	62	110	200	157	215	82	96	59	42
CFSM	.08	.12	.40	.90	.33	.90	1.11	1.53	.95	.41	.34	.07
IN.	.09	.13	.46	1.04	.34	1.04	1.24	1.77	1.06	.47	.40	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

MEAN	175	414	700	897	945	1254	1150	696	610	389	192	231
MAX	1072	2626	2947	5129	2707	3181	3699	3776	4765	2831	1293	4222
(WY)	1927	1993	1991	1930	1990	1982	1964	1933	1958	1992	1926	1926
MIN	22.8	28.0	36.9	36.1	52.5	65.3	123	40.5	49.3	32.6	25.4	24.1
(WY)	1929	1929	1964	1945	1964	1941	1941	1941	1988	1936	1940	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1924 - 1995	
ANNUAL TOTAL	125905		148928			
ANNUAL MEAN	345		408		628	
HIGHEST ANNUAL MEAN					1167	1927
LOWEST ANNUAL MEAN					106	1941
HIGHEST DAILY MEAN	7800	Apr 13	6880	May 20	23400	Jun 11 1958
LOWEST DAILY MEAN	11	Nov 4	11	Nov 4	3.4	Oct 25 1968
ANNUAL SEVEN-DAY MINIMUM	34	Oct 30	34	Oct 30	8.4	Oct 17 1940
INSTANTANEOUS PEAK FLOW			7180	May 20	25000	Mar 21 1927
INSTANTANEOUS PEAK STAGE			8.63	May 20	17.40	Mar 21 1927
INSTANTANEOUS LOW FLOW					.15	Dec 9 1992
ANNUAL RUNOFF (CFSM)	.51		.60		.92	
ANNUAL RUNOFF (INCHES)	6.87		8.12		12.51	
10 PERCENT EXCEEDS	597		903		1480	
50 PERCENT EXCEEDS	152		194		200	
90 PERCENT EXCEEDS	47		49		48	

e Estimated

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 mi².

PERIOD OF RECORD.--October 1952 to current year.

REVISED RECORDS.--WSP 1335: 1953. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 660.00 ft above sea level. Oct. 1, 1962, to Sept. 30, 1974, water-stage recorder 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 since April 1968.

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

AVERAGE DISCHARGE.--43 years, 731 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,000 ft³/s June 11, 1958, gage height 19.26 ft, site then in use; zero flow, Sept. 11 to Oct. 2, 1985, Nov 14, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,540 ft³/s July 3; minimum daily, 34 ft³/s Sept. 13-28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	624	229	90	323	473	189	208	575	1430	111	55
2	47	622	152	112	322	924	189	162	574	2020	111	55
3	47	619	180	120	238	760	88	162	574	3540	111	55
4	47	617	94	90	235	293	37	162	972	2260	302	55
5	47	614	89	90	265	268	38	206	962	411	468	55
6	47	611	122	90	221	356	38	233	536	411	467	55
7	47	672	164	90	170	515	38	233	410	184	581	55
8	47	725	321	90	240	634	38	233	410	120	557	55
9	47	722	404	103	241	674	39	233	410	147	284	55
10	47	718	349	119	206	689	40	233	725	183	841	166
11	47	715	524	119	141	1090	43	233	1360	240	1210	55
12	47	710	518	119	90	1760	45	233	1370	178	532	45
13	47	2380	403	244	137	2220	48	233	667	182	218	34
14	47	700	214	600	207	2700	49	340	411	182	167	34
15	47	911	164	680	182	3020	50	467	411	182	95	34
16	47	1060	164	729	148	2970	50	521	330	183	77	34
17	525	821	273	880	160	2130	50	585	190	183	77	34
18	657	670	920	691	274	1590	96	1080	162	182	77	34
19	654	665	825	461	323	751	51	1170	162	111	77	34
20	651	573	468	1360	343	282	51	1200	162	111	181	34
21	649	516	360	2360	356	311	52	1230	137	111	290	34
22	646	511	323	2600	323	325	52	1960	111	111	289	34
23	644	460	245	2590	323	341	54	2640	111	212	202	34
24	642	421	180	2550	272	341	55	2810	112	215	111	34
25	816	418	195	2250	253	267	324	1710	174	346	97	34
26	453	369	195	1310	323	189	630	1960	190	325	77	34
27	452	332	116	466	291	226	574	3020	963	318	68	34
28	450	331	148	413	264	280	573	2990	965	718	55	34
29	1500	330	148	394	---	280	348	2960	643	359	55	35
30	444	330	117	323	---	238	268	2530	1240	158	55	36
31	511	---	90	323	---	189	---	1410	---	111	55	---
TOTAL	10446	19767	8694	22456	6871	27086	4197	33347	16019	15424	7898	1376
MEAN	337	659	280	724	245	874	140	1076	534	498	255	45.9
MAX	1500	2380	920	2600	356	3020	630	3020	1370	3540	1210	166
MIN	47	330	89	90	90	189	37	162	111	111	55	34

CAL YR 1994 TOTAL 169475 MEAN 464 MAX 3450 MIN 17
WTR YR 1995 TOTAL 173581 MEAN 476 MAX 3540 MIN 34

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^2.
PERIOD OF RECORD.--August 1943 to current year.
REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973. WDR IN-81-1: 1979.
GAGE.--Water-stage recorder. Datum of gage is 617.94 ft above sea level, (levels by U.S. Army Corps of Engineers). Prior to June 20, 1961, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by reservoirs on Wabash River (station 03323500), Salamonie River (station 03324500) and Mississinewa River (station 03327000).
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 20.1 ft, discharge, 115,000 ft^3/s, from rating curve extended above 63,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	1020	691	426	e1200	e1900	697	1020	1580	6650	e500	299
2	534	1010	525	458	e1170	e2700	678	968	1530	6370	e520	291
3	532	1010	609	e430	1020	e2500	632	966	1480	6910	e540	287
4	563	1030	452	e380	876	e1400	441	812	2230	7010	e700	272
5	700	1380	308	e360	e900	e1200	440	786	2940	2990	816	251
6	1500	1550	382	e340	e790	e1300	405	883	1920	1970	761	256
7	1520	1210	557	e350	e740	e3500	358	920	1240	1380	944	247
8	1510	1180	1080	e330	e710	e8500	425	903	2310	762	1480	245
9	1530	1190	1420	e335	e690	e6500	668	861	3830	610	3780	242
10	1490	1220	1330	e340	e630	e6500	5340	822	3620	583	4900	358
11	1460	1270	2150	e340	e550	e7000	7130	917	5310	642	5520	266
12	516	1960	1490	e390	e570	e7400	6800	1090	6120	593	5040	169
13	253	2010	1160	e560	e580	e7500	6090	1070	5530	498	5130	144
14	240	1330	1010	1180	e580	7390	5050	1210	3640	464	5160	128
15	233	1280	863	2270	e550	6370	3500	1270	1980	406	4920	140
16	232	1520	859	2890	e520	5850	1570	1890	1440	1200	2920	154
17	537	1360	840	3320	e560	4360	1380	1380	1140	1560	1540	163
18	935	1150	2090	2650	e670	2770	1490	2160	824	866	1060	166
19	940	1800	1970	1530	e810	2150	1290	2960	739	619	2220	362
20	931	1860	2040	4280	e900	1270	1280	4560	674	482	2640	450
21	918	1120	1910	9860	e940	1310	1080	4210	641	400	2840	487
22	917	940	1310	9880	e980	1340	1580	5030	730	e360	2700	523
23	912	899	918	8930	e1050	1340	2230	7380	539	e400	1280	513
24	902	966	664	7920	e970	1170	1250	8220	591	e550	883	510
25	1210	1020	595	5250	e840	1090	2900	7590	823	770	544	509
26	823	990	649	4310	e830	877	2140	6540	1920	782	361	489
27	809	944	495	2510	e900	768	2170	5890	3600	541	646	459
28	809	821	501	e1850	e1300	852	2470	5420	6800	1220	612	457
29	2200	762	478	e1500	---	829	1340	5520	6260	1300	338	428
30	1240	770	416	e1300	---	803	1020	4880	7070	895	315	450
31	963	---	343	e1100	---	714	---	3400	---	e600	301	---
TOTAL	28267	36572	30105	77569	22826	99153	63844	91528	79051	50383	61911	9715
MEAN	912	1219	971	2502	815	3198	2128	2953	2635	1625	1997	324
MAX	2200	2010	2150	9880	1300	8500	7130	8220	7070	7010	5520	523
MIN	232	762	308	330	520	714	358	786	539	360	301	128
CFSM	.34	.45	.36	.93	.30	1.19	.79	1.10	.98	.61	.74	.12
IN.	.39	.51	.42	1.07	.32	1.37	.88	1.27	1.09	.70	.86	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	1082	1716	2735	3410	3641	4691	4228	2333	2257	1490	788	811
MAX	4319	7653	8314	18500	10740	10890	14840	5191	14260	7036	3342	3936
(WY)	1973	1973	1958	1950	1959	1982	1957	1947	1958	1993	1990	1992
MIN	110	149	142	141	247	830	412	345	194	175	163	119
(WY)	1954	1954	1964	1945	1964	1983	1971	1976	1988	1944	1966	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	580994		650924			
ANNUAL MEAN	1592		1783		2425	
HIGHEST ANNUAL MEAN					4425	1950
LOWEST ANNUAL MEAN					691	1954
HIGHEST DAILY MEAN	12500	Apr 12	9880	Jan 22	50900	Jun 12 1958
LOWEST DAILY MEAN	186	Sep 18	128	Sep 14	72	Oct 5 1946
ANNUAL SEVEN-DAY MINIMUM	208	Sep 13	152	Sep 12	85	Oct 29 1944
INSTANTANEOUS PEAK FLOW			10100	Jan 21	68000	May 18 1943
INSTANTANEOUS PEAK STAGE			9.76	Jan 21	24.46	May 18 1943
ANNUAL RUNOFF (CFSM)	.59		.66		.90	
ANNUAL RUNOFF (INCHES)	8.05		9.02		12.27	
10 PERCENT EXCEEDS	3830		5200		6860	
50 PERCENT EXCEEDS	918		990		993	
90 PERCENT EXCEEDS	280		361		214	

e Estimated

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^2.
PERIOD OF RECORD.--Occasional low-flow measurements, water years 1960-67; May 1968 to current year.
GAGE.--Water-stage recorder. Datum of gage is 736.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.2	7.7	11	17	42	45	43	67	121	476	26	9.9
2	e4.9	8.3	10	16	44	43	42	64	109	279	29	9.1
3	e4.8	9.3	9.5	e13	43	37	40	58	97	187	56	9.2
4	e5.0	9.2	9.2	e10	e39	35	39	55	84	135	47	9.3
5	5.3	11	9.9	e9.0	e36	35	36	54	76	105	35	8.8
6	5.3	21	12	e8.6	e32	43	35	50	90	84	33	8.4
7	6.1	18	52	e9.2	e29	765	35	48	114	69	28	8.2
8	5.8	11	50	e9.6	e26	1520	53	47	83	58	24	9.8
9	7.9	11	45	e10	e24	948	187	52	66	53	22	13
10	7.7	17	41	e11	e22	555	625	55	534	49	20	10
11	6.3	17	38	e13	e21	415	816	59	584	43	19	9.2
12	5.9	14	30	20	e20	313	717	50	268	39	18	9.1
13	5.7	13	25	26	e19	238	478	46	161	36	17	8.9
14	6.2	11	21	36	e18	183	296	423	117	33	16	8.5
15	6.7	11	19	43	e19	147	211	353	92	32	15	9.3
16	6.7	9.5	19	40	e20	128	170	190	78	38	15	8.2
17	7.0	9.0	27	34	e22	107	139	186	67	54	14	10
18	7.6	8.9	49	31	26	92	184	210	62	36	14	11
19	14	8.5	38	64	25	86	245	744	59	29	15	9.4
20	12	9.1	31	482	25	83	178	513	55	26	13	8.1
21	7.5	8.8	26	586	26	80	179	287	55	28	13	8.2
22	7.9	8.3	23	286	25	69	185	186	60	54	12	8.6
23	9.6	8.1	22	156	24	65	155	142	49	55	11	8.5
24	4.4	8.5	20	e89	23	57	135	571	62	51	11	8.0
25	6.1	8.5	18	e72	23	50	113	1050	92	203	11	7.9
26	7.1	8.6	17	e61	22	47	97	540	263	123	11	7.9
27	8.5	9.0	16	e52	23	48	91	331	409	71	11	9.9
28	7.9	11	15	e48	34	52	80	305	1140	50	11	7.7
29	8.1	12	14	e45	---	48	72	238	1180	40	11	6.9
30	7.5	12	13	e42	---	46	72	169	1090	33	12	6.6
31	7.5	---	14	e40	---	44	---	137	---	29	11	---
TOTAL	218.2	329.3	744.6	2379.4	752	6424	5748	7280	7317	2598	601	267.6
MEAN	7.04	11.0	24.0	76.8	26.9	207	192	235	244	83.8	19.4	8.92
MAX	14	21	52	586	44	1520	816	1050	1180	476	56	13
MIN	4.4	7.7	9.2	8.6	18	35	35	46	49	26	11	6.6
CFSM	.04	.07	.15	.48	.17	1.30	1.21	1.48	1.53	.53	.12	.06
IN.	.05	.08	.17	.56	.18	1.50	1.34	1.70	1.71	.61	.14	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	52.3	147	181	172	222	300	253	161	133	90.3	49.4	43.0
MAX	238	797	563	731	648	902	637	411	429	334	296	226
(WY)	1991	1993	1991	1974	1990	1982	1972	1989	1980	1986	1973	1972
MIN	6.66	8.79	6.57	3.70	25.1	49.7	45.6	28.5	12.4	8.17	7.63	5.16
(WY)	1989	1981	1977	1977	1978	1981	1971	1976	1988	1988	1971	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	32524.2		34659.1			
ANNUAL MEAN	89.1		95.0		150	
HIGHEST ANNUAL MEAN					266	1993
LOWEST ANNUAL MEAN					67.6	1977
HIGHEST DAILY MEAN	2650	Apr 13	1520	Mar 8	4210	Feb 24 1985
LOWEST DAILY MEAN	4.4	Oct 24	4.4	Oct 24	3.3	Feb 1 1977
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 1	5.2	Oct 1	3.5	Jan 27 1977
INSTANTANEOUS PEAK FLOW			1620	Mar 7	5140	Dec 31 1990
INSTANTANEOUS PEAK STAGE			9.19	Mar 7	17.91	Dec 31 1990
ANNUAL RUNOFF (CFSM)	.56		.60		.95	
ANNUAL RUNOFF (INCHES)	7.61		8.11		12.86	
10 PERCENT EXCEEDS	164		238		362	
50 PERCENT EXCEEDS	31		32		55	
90 PERCENT EXCEEDS	7.5		8.2		11	

e Estimated

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 mi², includes that of Pony Creek.
PERIOD OF RECORD.--October 1929 to current year. Prior to April 1930, monthly discharge only, published in WSP 1305. Gage-height records since November 20, 1923 are available from the district office.
REVISED RECORDS.--WSP 1275: 1930-37, 1939, 1940(M), 1942, 1948. WSP 1909: 1957. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 738.00 ft above sea level. Prior to July 24, 1953, nonrecording gage on downstream side of Second Street bridge, 700 ft upstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Pony Creek.
EXTREMES FOR PERIOD OF RECORD.--Maximum instantaneous gage height may have occurred Dec. 30, 1990 during period of no gage height record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e76	92	114	110	e215	386	202	304	289	534	83	80
2	e75	95	108	e90	225	269	195	290	261	393	110	77
3	e74	92	106	e80	228	224	191	263	253	301	131	75
4	e73	94	103	e74	e210	200	188	248	232	249	158	74
5	e73	103	116	e72	e190	191	180	251	212	218	870	74
6	e72	145	126	e69	e170	197	172	240	199	197	895	72
7	e72	131	557	e71	e160	1440	164	223	196	176	512	71
8	e73	114	716	e72	e150	3260	312	212	298	154	476	74
9	83	111	374	e74	e140	2380	1170	209	245	148	439	74
10	81	142	393	e80	e130	1340	2860	222	221	146	316	74
11	e78	136	276	e100	e120	927	3880	328	226	136	238	72
12	e77	122	200	e135	e116	747	3390	276	201	125	195	71
13	e76	113	164	442	e112	626	2590	235	186	115	164	71
14	e76	110	141	826	e110	535	1600	283	168	109	145	69
15	e78	108	127	685	e120	469	1080	263	154	105	129	69
16	79	101	124	442	e130	414	833	224	150	171	116	69
17	79	98	183	323	e150	364	685	232	144	203	118	69
18	79	96	221	297	165	326	768	230	137	173	133	69
19	84	94	180	591	179	301	829	330	132	140	124	69
20	87	93	155	2230	197	286	624	272	128	122	129	69
21	85	95	135	2380	196	296	666	221	123	115	188	70
22	85	95	126	1360	174	301	647	195	116	111	137	73
23	86	93	119	783	166	271	518	184	112	142	112	71
24	85	92	112	e490	173	249	453	579	129	138	103	70
25	85	92	106	e400	164	227	402	1150	236	120	103	69
26	85	92	102	e340	157	214	357	698	265	116	93	69
27	85	100	98	e290	181	209	340	469	797	126	87	69
28	85	148	97	e250	501	219	317	621	971	110	85	69
29	85	142	94	e230	---	216	292	702	1250	100	86	69
30	85	124	88	e200	---	212	291	451	716	90	90	69
31	85	---	89	e210	---	208	---	346	---	85	84	---
TOTAL	2481	3263	5650	13796	4929	17504	26196	10751	8747	5168	6649	2140
MEAN	80.0	109	182	445	176	565	873	347	292	167	214	71.3
MAX	87	148	716	2380	501	3260	3880	1150	1250	534	895	80
MIN	72	92	88	69	110	191	164	184	112	85	83	69
CFSM	.19	.26	.44	1.07	.42	1.35	2.09	.83	.70	.40	.51	.17
IN.	.22	.29	.50	1.23	.44	1.56	2.34	.96	.78	.46	.59	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1995, BY WATER YEAR (WY)

MEAN	171	277	398	469	572	715	674	412	326	200	155	130
MAX	1165	1416	1717	2258	1772	2425	1768	2021	1376	767	1031	566
(WY)	1955	1993	1967	1950	1959	1982	1957	1943	1981	1951	1990	1992
MIN	46.2	53.4	49.4	43.2	62.0	200	141	86.1	68.1	44.2	30.7	27.6
(WY)	1947	1940	1964	1977	1964	1941	1946	1931	1934	1941	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1930 - 1995	
ANNUAL TOTAL	126948		107274			
ANNUAL MEAN	348		294		375	
HIGHEST ANNUAL MEAN					783	1950
LOWEST ANNUAL MEAN					103	1931
HIGHEST DAILY MEAN	5400	Apr 13	3880	Apr 11	7770	Dec 31 1990
LOWEST DAILY MEAN	67	Sep 16	69	Jan 6	16	Oct 19 1956
ANNUAL SEVEN-DAY MINIMUM	70	Sep 15	69	Sep 14	23	Sep 13 1941
INSTANTANEOUS PEAK FLOW			4080	Apr 11	8740	Dec 30 1990
INSTANTANEOUS PEAK STAGE			9.57	Apr 11	14.00	Feb 27 1936
ANNUAL RUNOFF (CFSM)	.83		.70		.90	
ANNUAL RUNOFF (INCHES)	11.32		9.57		12.22	
10 PERCENT EXCEEDS	808		625		885	
50 PERCENT EXCEEDS	153		154		172	
90 PERCENT EXCEEDS	79		74		64	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1970 to current year.
GAGE.--Water-stage recorder. Datum of gage is 785.00 ft above sea level.
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.7	e3.4	e1.8	4.6	4.4	5.4	5.4	5.5	6.9	12	1.6	1.1
2	e1.6	e2.5	e1.6	3.7	4.8	4.9	5.2	5.2	6.4	7.9	1.6	1.1
3	e1.5	e1.5	e1.5	2.7	4.6	4.0	5.1	5.0	6.1	6.2	1.7	1.1
4	e1.5	e1.6	e1.4	e2.2	4.5	3.5	5.0	5.0	5.7	4.8	1.6	1.1
5	e1.4	e1.6	e1.3	e1.7	e4.0	3.6	4.8	5.1	5.3	4.1	2.9	1.1
6	e1.4	e3.6	e8.1	e1.5	e3.5	3.7	4.8	5.0	4.4	3.6	2.1	1.0
7	e1.3	e2.7	34	e1.3	e3.2	112	4.6	4.8	3.7	3.3	1.7	1.1
8	e1.3	e1.5	15	e1.2	e3.1	72	6.0	4.8	4.3	3.0	1.7	1.1
9	e2.9	e2.1	10	e1.1	e2.9	28	14	4.8	3.9	3.0	1.8	1.1
10	e1.5	e4.0	7.9	e1.1	e2.8	18	68	4.8	3.9	2.9	1.8	1.1
11	e1.4	e2.5	4.0	e1.2	e2.7	15	36	4.6	3.8	2.7	1.5	1.1
12	e1.4	e2.1	2.5	2.8	e2.6	13	34	4.3	3.5	2.5	1.5	1.0
13	e1.3	e1.9	2.1	19	e2.5	11	15	4.2	3.3	2.4	1.4	1.0
14	e1.3	e1.7	1.8	34	e2.4	10	11	6.5	3.4	2.3	1.4	1.0
15	e1.2	e1.6	1.7	23	e2.4	9.1	8.8	5.2	3.6	2.3	1.3	1.0
16	e1.2	e1.5	1.9	13	e2.3	8.5	7.8	4.6	3.6	2.4	1.3	1.0
17	e1.2	e1.5	4.3	9.8	e2.3	8.3	7.0	6.7	3.6	2.3	1.3	1.0
18	e1.2	e1.4	3.3	10	e2.6	7.7	11	6.2	3.5	2.2	1.4	1.0
19	e2.7	e1.4	2.4	31	3.0	7.4	9.4	12	3.5	2.1	1.3	1.0
20	e2.4	e1.3	2.0	62	3.1	7.2	8.7	7.5	3.4	2.0	1.3	1.0
21	e1.7	e1.5	1.7	24	3.1	6.9	11	5.9	2.9	2.0	1.3	1.1
22	e1.6	e1.9	1.5	12	3.0	6.5	8.9	5.1	2.6	1.9	1.2	1.0
23	e2.0	e1.5	1.4	9.3	3.0	6.3	7.6	4.8	2.6	1.9	1.2	.98
24	e1.5	e1.2	1.3	7.7	3.1	5.8	6.9	41	2.8	1.8	1.2	.94
25	e1.3	e1.1	1.3	e6.6	3.1	5.6	6.5	25	2.7	1.9	1.2	.92
26	e1.3	e1.0	e1.2	e5.8	3.2	5.5	6.1	12	33	1.9	1.2	.85
27	e1.2	e1.0	e1.2	e5.2	5.0	5.6	6.0	9.3	89	1.9	1.2	.83
28	e1.2	e7.0	e1.1	e4.8	7.5	5.6	5.7	20	93	1.8	1.2	.77
29	e1.2	e3.5	e1.1	e4.5	---	5.6	5.5	12	69	1.7	1.2	.77
30	e1.2	e2.3	e1.1	e4.3	---	5.6	5.5	9.0	25	1.6	1.2	.75
31	e1.1	---	e2.5	e4.2	---	5.4	---	7.5	---	1.6	1.1	---
TOTAL	46.7	63.4	124.0	315.3	94.7	416.7	341.3	263.4	408.4	94.0	45.4	29.91
MEAN	1.51	2.11	4.00	10.2	3.38	13.4	11.4	8.50	13.6	3.03	1.46	1.00
MAX	2.9	7.0	34	62	7.5	112	68	41	93	12	2.9	1.1
MIN	1.1	1.0	1.1	1.1	2.3	3.5	4.6	4.2	2.6	1.6	1.1	.75
CFSM	.17	.24	.45	1.15	.38	1.52	1.28	.96	1.53	.34	.17	.11
IN.	.20	.27	.52	1.32	.40	1.75	1.43	1.10	1.71	.39	.19	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	5.17	9.60	13.0	11.6	16.2	21.3	16.6	10.5	8.82	5.86	4.29	4.40
MAX	28.5	34.5	35.9	55.6	47.6	53.7	34.5	24.6	31.6	28.9	47.0	21.6
(WY)	1991	1993	1991	1993	1985	1982	1983	1983	1986	1992	1990	1989
MIN	.79	.95	.61	.30	2.62	3.50	4.60	3.30	1.17	.80	.66	.45
(WY)	1975	1977	1977	1977	1978	1981	1971	1977	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	2745.5		2243.21			
ANNUAL MEAN	7.52		6.15		10.6	
HIGHEST ANNUAL MEAN					19.1	1993
LOWEST ANNUAL MEAN					5.52	1977
HIGHEST DAILY MEAN	295	Apr 12	112	Mar 7	436	Aug 18 1990
LOWEST DAILY MEAN	1.0	Nov 26	.75	Sep 30	.26	Feb 1 1977
ANNUAL SEVEN-DAY MINIMUM	1.2	Dec 24	.83	Sep 24	.27	Jan 29 1977
INSTANTANEOUS PEAK FLOW			216	Mar 7	518	Aug 18 1990
INSTANTANEOUS PEAK STAGE			5.83	Mar 7	7.39	Apr 12 1994
ANNUAL RUNOFF (CFSM)	.85		.69		1.19	
ANNUAL RUNOFF (INCHES)	11.51		9.41		16.21	
10 PERCENT EXCEEDS	14		11		24	
50 PERCENT EXCEEDS	3.2		2.9		4.5	
90 PERCENT EXCEEDS	1.5		1.1		1.1	

e Estimated

03328500 EEL RIVER NEAR LOGANSPORT, IN

LOCATION.--Lat 40°46'55", long 86°15'50", in NE¼SE¼ sec.14, T.27 N., R.2 E., Cass County, Hydrologic Unit 05120104, 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^2.
PERIOD OF RECORD.--July 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 621.50 ft above sea level. Prior to Aug. 16, 1956, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 13.2 ft, from floodmark, discharge, 17,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	176	235	294	505	788	395	532	681	1700	242	e167
2	172	183	215	e250	477	594	383	533	603	1260	244	165
3	169	196	204	e220	e420	466	372	495	560	960	311	160
4	169	199	199	e200	e380	416	366	467	519	769	338	158
5	169	202	206	e194	e350	397	356	459	478	662	521	156
6	172	250	218	e199	e320	390	342	452	449	580	1270	152
7	171	259	672	e204	e290	1680	336	432	429	506	985	152
8	173	247	1450	e210	e275	5430	362	411	576	450	652	153
9	183	233	1090	e215	e260	4570	619	406	799	411	627	154
10	182	280	862	e225	e250	2840	2690	414	608	395	565	154
11	182	275	760	e250	e242	1840	5080	426	638	374	447	153
12	173	261	584	295	e237	1440	5200	513	551	352	371	151
13	170	235	468	476	e233	1210	4270	449	463	330	321	151
14	168	222	405	1280	e230	1030	2820	472	415	311	284	146
15	160	211	366	1450	e250	898	1830	563	381	297	258	143
16	155	201	349	1050	e265	807	1390	463	353	520	241	143
17	153	196	394	776	e290	733	1150	481	334	620	230	143
18	153	190	477	661	e320	663	1090	513	319	473	235	140
19	163	186	493	794	351	613	1360	698	306	376	240	140
20	163	185	427	2780	354	581	1150	833	297	323	229	142
21	164	186	380	4090	368	548	1100	614	303	302	218	143
22	163	183	352	2730	359	533	1130	500	298	296	265	149
23	162	180	331	1590	338	523	968	442	300	301	232	151
24	160	179	317	1150	333	485	836	830	289	393	206	150
25	161	176	307	863	332	453	757	1820	321	373	194	147
26	160	175	296	e660	324	430	690	1550	737	343	188	144
27	161	185	288	e560	336	416	643	1050	3440	395	180	143
28	161	258	283	e500	455	422	601	1200	4720	325	e170	141
29	160	284	278	e470	---	421	556	1550	4080	282	e164	139
30	162	265	268	e460	---	411	532	1100	2740	255	e166	137
31	164	---	273	e480	---	404	---	819	---	234	e170	---
TOTAL	5152	6458	13447	25576	9144	32432	39374	21487	26987	15168	10764	4467
MEAN	166	215	434	825	327	1046	1312	693	900	489	347	149
MAX	183	284	1450	4090	505	5430	5200	1820	4720	1700	1270	167
MIN	153	175	199	194	230	390	336	406	289	234	164	137
CFSM	.21	.27	.55	1.05	.41	1.33	1.66	.88	1.14	.62	.44	.19
IN.	.24	.30	.63	1.21	.43	1.53	1.86	1.01	1.27	.72	.51	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	361	533	827	939	1126	1372	1322	844	753	440	352	307
MAX	1806	2384	2898	4507	3090	4612	3285	1827	2208	1311	2115	1051
(WY)	1991	1993	1967	1950	1959	1982	1950	1983	1975	1969	1990	1972
MIN	95.1	110	98.2	101	184	353	366	245	176	140	128	101
(WY)	1964	1964	1964	1977	1964	1966	1966	1958	1988	1988	1966	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	251121		210456			
ANNUAL MEAN	688		577		762	
HIGHEST ANNUAL MEAN					1573	1950
LOWEST ANNUAL MEAN					324	1954
HIGHEST DAILY MEAN	11200	Apr 13	5430	Mar 8	16600	Feb 24 1985
LOWEST DAILY MEAN	153	Oct 17	137	Sep 30	70	Mar 15 1960
ANNUAL SEVEN-DAY MINIMUM	159	Oct 15	142	Sep 15	76	Dec 17 1963
INSTANTANEOUS PEAK FLOW			5740	Mar 8	17700	Feb 24 1985
INSTANTANEOUS PEAK STAGE			8.07	Mar 8	12.68	Feb 24 1985
ANNUAL RUNOFF (CFSM)	.87		.73		.97	
ANNUAL RUNOFF (INCHES)	11.84		9.92		13.13	
10 PERCENT EXCEEDS	1450		1140		1730	
50 PERCENT EXCEEDS	349		349		400	
90 PERCENT EXCEEDS	174		161		151	

e Estimated

03329000 WABASH RIVER AT LOGANSPORT, IN

LOCATION.--Lat 40°44'47", long 86°22'39", in SW¹/₄NE¹/₄ 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 mi².
PERIOD OF RECORD.--April to September, November and December 1903, March to November 1904, March 1905 to July 1906, May 1923 to current year. 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.
REVISED RECORDS.--WSP 783: 1934. WSP 1335: 1904, 1925(M), 1926-30, 1931(M), 1932-35, 1937-39, 1948. WSP 1385: 1903, 1905-6, 1923-25. WSP 1505: 1906(M). WSP 2109: Drainage area. WDR IN-81-1: 1979.
GAGE.--Water-stage recorder. Datum of gage is 573.28 ft above sea level (levels by U.S. Army Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.3 ft March 26, 1913, from floodmarks, discharge, 140,000 ft³/s,

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	557	1160	1180	888	1850	2480	1270	1850	2840	9510	926	505
2	819	1190	968	e840	1820	3730	1230	1760	2530	8510	974	487
3	825	1180	991	e780	1770	3680	1210	1730	2470	8290	1170	478
4	821	1220	941	e740	e1550	2260	1020	1610	2780	9080	1090	453
5	864	1480	761	e720	e1400	1670	950	1470	3750	4550	1370	432
6	1520	2100	771	e730	e1220	1790	917	1550	2990	3120	2230	411
7	1850	1740	1500	e740	e1170	5280	882	1600	2180	2470	2070	414
8	1870	1430	2630	e750	e1150	16500	962	1570	2610	1490	2220	411
9	1910	1440	2900	e760	e1110	13100	1340	1560	4910	1190	4140	407
10	1860	1590	2530	e770	e1080	10600	7820	1550	4630	1070	5610	404
11	1840	1620	3030	e780	e1050	9730	14100	1570	6710	1110	6520	512
12	1270	2180	2680	899	e1030	9730	13200	1840	7380	1100	5880	392
13	590	2480	1960	1120	e1010	9620	11600	1790	6750	967	5800	383
14	533	2020	1800	2380	e1000	9270	8900	2300	4700	904	5870	353
15	513	1600	1440	3770	e1030	8080	6250	2530	3170	853	5650	329
16	505	1940	1440	4020	e1050	7310	3810	2790	2200	1270	3980	352
17	507	1890	1470	4340	1100	5840	3010	2440	1860	2710	2210	366
18	1200	1550	2390	3740	1140	3910	3000	3120	1470	1600	1570	365
19	1270	2000	3170	2870	1390	3410	3380	4510	1320	1120	2100	409
20	1260	2310	2660	6580	1430	2200	2860	6190	1210	933	3070	639
21	1250	1780	2630	14800	1540	2150	2820	5470	1230	850	3300	674
22	1240	1310	2130	13500	1530	2170	2870	5530	1310	795	3310	718
23	1230	1280	1630	11300	1550	2160	3550	8060	1140	845	1980	721
24	1220	1260	1240	9820	1590	2010	2920	9810	1060	1030	1190	722
25	1350	1390	1130	6700	1370	1820	3250	11300	1270	1480	928	715
26	1330	1380	1140	e5400	1330	1590	3750	9110	2790	1500	639	704
27	1130	1340	1070	e3300	1420	1410	2800	7930	7310	1230	633	669
28	1130	1360	962	e2600	1590	1450	3460	7490	13300	1390	970	660
29	1880	1240	970	e2200	---	1450	2590	7780	12000	2000	635	640
30	1900	1240	901	e1900	---	1410	1880	6750	11700	1270	568	628
31	1230	---	864	e1750	---	1320	---	5180	---	988	538	---
TOTAL	37274	47700	51879	111487	37270	149130	117601	129740	121570	75225	79141	15353
MEAN	1202	1590	1674	3596	1331	4811	3920	4185	4052	2427	2553	512
MAX	1910	2480	3170	14800	1850	16500	14100	11300	13300	9510	6520	722
MIN	505	1160	761	720	1000	1320	882	1470	1060	795	538	329
CFSM	.32	.42	.44	.95	.35	1.27	1.04	1.11	1.07	.64	.68	.14
IN.	.37	.47	.51	1.10	.37	1.47	1.16	1.28	1.20	.74	.78	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

MEAN	1415	2202	3683	4658	5122	6459	5963	3719	3024	1919	1249	1220
MAX	6547	10940	12340	25590	15880	18180	17520	21310	16440	8381	5576	10710
(WY)	1991	1973	1968	1950	1959	1982	1957	1943	1958	1993	1990	1926
MIN	197	296	252	290	417	638	929	600	388	269	203	176
(WY)	1964	1964	1964	1945	1964	1941	1971	1941	1988	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1924 - 1995	
ANNUAL TOTAL	925318		973370			
ANNUAL MEAN	2535		2667		3376	
HIGHEST ANNUAL MEAN					6614	1950
LOWEST ANNUAL MEAN					796	1941
HIGHEST DAILY MEAN	24200	Apr 13	16500	Mar 8	84700	May 19 1943
LOWEST DAILY MEAN	447	Sep 19	329	Sep 15	135	Sep 26 1941
ANNUAL SEVEN-DAY MINIMUM	483	Sep 14	363	Sep 12	142	Sep 24 1941
INSTANTANEOUS PEAK FLOW			17500	Mar 8	89800	May 18 1943
INSTANTANEOUS PEAK STAGE			9.20	Mar 8	21.32	May 18 1943
ANNUAL RUNOFF (CFSM)	.67		.71		.89	
ANNUAL RUNOFF (INCHES)	9.11		9.58		12.14	
10 PERCENT EXCEEDS	5590		6730		9070	
50 PERCENT EXCEEDS	1440		1550		1440	
90 PERCENT EXCEEDS	673		692		411	

e Estimated

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 county road bridge, 2.6 mi northeast of Delphi Post Office, and 4.8 mi upstream from mouth.
DRAINAGE AREA.--274 mi².
PERIOD OF RECORD.--October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.
REVISED RECORDS.--WSP 1275: 1944, 1947-48. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 553.81 ft above sea level, (U.S. Army Corps of Engineers bench mark, levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 19.8 ft, from floodmarks, discharge, 18,000 ft³/s from rating curve extended above 8,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	57	63	e64	153	111	e116	e153	283	588	73	27
2	33	55	60	e66	122	105	e110	e140	266	337	117	24
3	31	52	58	e64	e117	95	e107	e125	266	246	312	23
4	31	53	58	e62	e110	91	e110	e127	218	201	213	23
5	33	55	59	e60	e103	94	e105	e130	195	174	133	22
6	32	74	60	e59	e100	98	e100	e126	185	149	110	21
7	31	115	e82	e58	e98	850	e105	e120	189	126	99	24
8	31	105	e190	e57	e96	2740	e150	e115	192	110	83	32
9	37	83	e210	e56	e95	1580	e240	e120	160	101	75	30
10	36	101	188	e60	e92	947	e520	e127	406	104	68	30
11	36	132	172	e64	e90	720	e640	e140	1000	91	62	28
12	35	133	139	e70	e87	560	e620	e130	447	84	56	26
13	38	107	119	e76	e84	429	e560	e250	286	77	51	25
14	37	92	105	e84	e80	347	e430	e1070	222	71	47	24
15	36	86	97	94	83	295	e350	e900	185	70	44	22
16	35	77	112	109	86	e250	e260	e470	163	122	41	22
17	36	71	140	166	86	e230	e230	e400	145	297	43	22
18	35	68	138	173	83	e210	e300	e370	134	195	40	21
19	42	65	122	144	77	e190	e330	1200	125	120	37	20
20	38	63	109	130	78	e180	e300	866	119	94	36	21
21	39	65	e100	187	78	e170	e320	513	113	85	33	21
22	40	68	e94	604	74	e165	e290	352	110	80	31	23
23	41	63	e88	649	75	e160	e270	283	106	166	30	22
24	49	59	e84	358	72	e155	e240	932	98	189	29	23
25	44	57	e80	264	68	e136	e220	1530	158	328	28	22
26	43	57	e76	202	67	e126	e200	1000	167	525	27	22
27	42	55	e72	e180	73	e130	e180	629	483	265	26	21
28	42	67	e68	e160	82	e136	e170	779	803	177	25	20
29	42	68	e66	e150	---	e133	e160	630	817	129	26	18
30	43	67	e64	e140	---	e126	e150	418	1160	100	27	18
31	42	---	e62	150	---	e120	---	330	---	83	27	---
TOTAL	1164	2270	3135	4760	2509	11679	7883	14475	9201	5484	2049	697
MEAN	37.5	75.7	101	154	89.6	377	263	467	307	177	66.1	23.2
MAX	49	133	210	649	153	2740	640	1530	1160	588	312	32
MIN	31	52	58	56	67	91	100	115	98	70	25	18
CFSM	.14	.28	.37	.56	.33	1.37	.96	1.70	1.12	.65	.24	.08
IN.	.16	.31	.43	.65	.34	1.59	1.07	1.97	1.25	.74	.28	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	98.3	171	257	320	370	443	438	300	253	165	101	83.2
MAX	575	1249	983	1882	1039	1311	1109	793	1799	669	537	568
(WY)	1991	1993	1991	1950	1959	1982	1959	1983	1958	1957	1958	1989
MIN	15.0	22.7	22.2	17.6	36.1	46.8	83.0	62.2	30.7	22.5	12.5	10.5
(WY)	1965	1954	1945	1977	1954	1954	1971	1976	1977	1944	1966	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	78086		65306			
ANNUAL MEAN	214		179		249	
HIGHEST ANNUAL MEAN					510	1950
LOWEST ANNUAL MEAN					62.7	1966
HIGHEST DAILY MEAN	4260	Apr 13	2740	Mar 8	12600	Jun 10 1958
LOWEST DAILY MEAN	31	Oct 3	18	Sep 29	6.2	Sep 25 1954
ANNUAL SEVEN-DAY MINIMUM	32	Oct 2	21	Sep 24	6.3	Sep 22 1954
INSTANTANEOUS PEAK FLOW			2900	Mar 8	14400	Jun 10 1958
INSTANTANEOUS PEAK STAGE			7.39	Mar 8	18.26	Jun 10 1958
ANNUAL RUNOFF (CFSM)	.78		.65		.91	
ANNUAL RUNOFF (INCHES)	10.60		8.87		12.35	
10 PERCENT EXCEEDS	465		402		560	
50 PERCENT EXCEEDS	110		100		104	
90 PERCENT EXCEEDS	42		30		27	

e Estimated

03330241 TIPPECANOE RIVER AT NORTH WEBSTER, IN

LOCATION.--Lat 41°18'58", long 85°41'32", in SE¼NE¼ sec.15, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106, on right upstream corner of State Road 13 bridge, at the intersection of State Road 13 and County Road 550 North, and 0.4 mi southeast of North Webster.
DRAINAGE AREA.--49.3 mi².
PERIOD OF RECORD.--May 1986 to current year.
GAGE.--Water-stage recorder. Datum of gage is 840.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated at times by dams at Webster Lake, 0.25 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.0	17	33	50	33	38	73	115	82	10	e3.6
2	2.4	2.8	18	34	46	33	25	64	145	64	34	e3.5
3	2.3	2.8	19	33	40	37	6.8	40	139	34	39	e3.4
4	2.4	4.0	21	34	35	44	16	41	127	28	52	e3.4
5	2.6	4.2	18	35	35	49	16	42	32	32	75	e3.3
6	2.4	2.9	11	35	37	52	18	42	7.4	31	20	e3.3
7	2.4	4.3	22	38	43	96	19	41	16	23	11	e3.3
8	2.5	3.1	48	40	43	139	35	32	90	13	14	e3.4
9	3.0	6.3	49	40	43	138	89	29	88	5.7	27	e3.5
10	2.9	13	50	42	43	137	146	44	23	7.5	52	e3.6
11	2.6	10	50	48	44	136	172	104	25	10	50	e3.5
12	2.4	7.4	44	45	43	135	204	79	25	7.5	43	e3.4
13	2.3	6.4	22	42	40	111	210	18	22	7.8	36	e3.3
14	2.2	6.6	22	43	32	44	225	18	13	8.0	30	e3.2
15	2.1	6.8	24	43	34	56	231	18	13	8.3	14	e3.1
16	2.1	7.0	34	46	34	80	226	18	13	23	e4.7	e3.0
17	2.0	7.2	34	53	29	79	212	18	13	25	e5.3	e2.8
18	2.0	7.5	34	54	30	57	202	18	13	14	e5.8	e2.7
19	2.5	6.0	34	75	28	60	181	18	12	7.2	e6.1	e2.6
20	2.9	1.9	33	98	29	105	140	17	7.7	7.0	e17	e2.5
21	3.1	2.0	32	98	28	116	128	17	7.6	7.2	e15	e2.7
22	3.1	2.0	32	100	28	94	106	17	7.7	7.7	e14	e3.5
23	3.6	2.3	26	105	27	45	88	17	7.3	8.8	e10	e3.0
24	3.7	2.8	9.1	117	28	41	76	108	25	8.8	e3.9	e2.6
25	3.7	5.9	11	116	29	31	26	138	52	8.7	e3.9	e2.4
26	3.5	11	14	113	32	31	70	121	32	8.9	e4.0	e2.2
27	3.3	13	16	98	32	31	109	93	125	9.2	e4.0	e2.1
28	2.9	15	19	65	32	30	111	100	79	8.8	e3.7	e2.3
29	2.7	15	30	68	---	33	89	129	71	8.4	e3.5	e2.5
30	2.5	16	31	65	---	42	75	122	82	8.0	e3.5	e2.3
31	2.6	---	32	57	---	42	---	101	---	7.1	e3.6	---
TOTAL	83.1	198.2	856.1	1913	994	2157	3289.8	1737	1427.7	529.6	615.0	90.0
MEAN	2.68	6.61	27.6	61.7	35.5	69.6	110	56.0	47.6	17.1	19.8	3.00
MAX	3.7	16	50	117	50	139	231	138	145	82	75	3.6
MIN	2.0	1.9	9.1	33	27	30	6.8	17	7.3	5.7	3.5	2.1
CFSM	.05	.13	.56	1.25	.72	1.41	2.22	1.14	.97	.35	.40	.06
IN.	.06	.15	.65	1.44	.75	1.63	2.48	1.31	1.08	.40	.46	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

MEAN	43.7	52.1	52.7	81.9	56.9	61.8	75.7	42.6	41.8	19.9	19.4	20.8
MAX	142	133	98.8	209	119	102	110	77.4	93.9	38.1	80.1	87.7
(WY)	1991	1993	1987	1993	1990	1990	1995	1987	1989	1990	1990	1990
MIN	2.68	6.61	14.0	27.0	31.5	30.6	46.8	15.4	3.07	4.36	2.00	2.74
(WY)	1995	1995	1990	1994	1989	1989	1992	1988	1988	1988	1988	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1987 - 1995	
ANNUAL TOTAL	10003.7		13890.5			
ANNUAL MEAN	27.4		38.1		47.4	
HIGHEST ANNUAL MEAN					70.5	1991
LOWEST ANNUAL MEAN					29.6	1992
HIGHEST DAILY MEAN	267	Apr 14	231	Apr 15	420	Jan 8 1993
LOWEST DAILY MEAN	1.5	Sep 20	1.9	Nov 20	.06	Aug 18 1988
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 19	2.2	Oct 12	.36	Aug 14 1988
INSTANTANEOUS PEAK FLOW			248	Apr 16	430	Jan 10 1993
INSTANTANEOUS PEAK STAGE			5.37	Apr 16	6.49	Jan 2 1991
ANNUAL RUNOFF (CFSM)	.56		.77		.96	
ANNUAL RUNOFF (INCHES)	7.55		10.48		13.05	
10 PERCENT EXCEEDS	64		105		110	
50 PERCENT EXCEEDS	14		25		31	
90 PERCENT EXCEEDS	2.5		2.8		5.9	

e Estimated

03330500 TIPPECANOE RIVER AT OSWEGO, IN

LOCATION.--Lat 41°19'14", long 85°47'21", in NE¼/NE¼ sec.14, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, on left bank 50 ft downstream from dam at Tippecanoe Lake Outlet in Oswego, 3 mi east of Leesburg, and at mile 158.9.
DRAINAGE AREA.--113 mi².
PERIOD OF RECORD.--October 1949 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 830.00 ft above sea level. Prior to Aug. 12, 1953, nonrecording gage at same site and datum.
REMARKS.--No estimated daily discharges. Records fair. Periodic regulation by gates at lake outlet.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	13	30	26	172	67	94	191	253	191	18	8.8
2	4.2	47	30	26	163	68	89	180	253	193	22	8.4
3	3.9	62	30	26	155	69	79	168	255	188	75	8.1
4	3.6	58	30	26	146	70	52	110	252	180	93	8.0
5	3.4	56	30	27	138	72	7.7	95	240	171	128	7.8
6	3.5	55	30	27	130	75	9.9	95	217	161	115	7.7
7	3.5	53	33	27	124	89	12	96	196	115	73	8.0
8	3.7	51	35	27	119	113	16	96	187	105	40	8.0
9	5.3	53	63	27	114	138	37	87	186	127	33	8.5
10	5.4	55	123	27	109	160	127	58	175	116	36	8.5
11	5.5	56	135	29	105	193	204	80	143	76	60	8.1
12	5.4	56	154	51	100	211	245	130	96	11	81	7.7
13	5.3	71	146	56	96	218	283	141	58	13	78	7.5
14	5.5	93	137	94	92	213	307	132	58	14	68	7.4
15	5.7	89	128	124	88	201	321	75	59	16	33	7.3
16	5.8	85	122	123	84	194	327	33	59	47	11	6.9
17	5.7	80	118	123	80	189	328	92	58	58	12	6.8
18	5.8	75	114	123	76	182	326	99	58	57	13	6.3
19	6.9	72	110	128	72	170	320	95	57	55	14	5.9
20	7.1	54	106	148	69	165	313	38	56	53	23	5.9
21	7.5	30	103	164	67	167	301	21	39	37	50	6.2
22	8.0	30	99	180	65	168	290	52	16	16	35	6.5
23	8.1	30	96	192	63	162	276	62	17	17	8.7	6.6
24	8.3	30	90	202	62	150	260	176	21	19	9.0	7.3
25	8.2	30	84	209	61	138	239	224	93	20	9.0	6.7
26	8.2	30	78	212	61	128	221	233	120	28	9.0	4.7
27	8.4	29	72	212	64	120	212	238	165	56	9.2	5.0
28	8.4	29	66	207	66	112	209	242	183	53	9.1	5.5
29	8.1	29	51	197	---	106	204	248	185	31	9.3	5.7
30	8.9	30	24	189	---	101	199	255	188	16	9.2	5.5
31	11	---	25	180	---	97	---	256	---	17	9.0	---
TOTAL	192.6	1531	2492	3409	2741	4306	5908.6	4098	3943	2257	1192.5	211.3
MEAN	6.21	51.0	80.4	110	97.9	139	197	132	131	72.8	38.5	7.04
MAX	11	93	154	212	172	218	328	256	255	193	128	8.8
MIN	3.4	13	24	26	61	67	7.7	21	16	11	8.7	4.7
CFSM	.05	.45	.71	.97	.87	1.23	1.74	1.17	1.16	.64	.34	.06
IN.	.06	.50	.82	1.12	.90	1.42	1.95	1.35	1.30	.74	.39	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

MEAN	61.0	74.6	109	129	139	182	193	126	97.0	61.9	43.3	44.2
MAX	369	230	298	443	373	498	493	340	363	198	188	237
(WY)	1955	1993	1967	1950	1950	1982	1950	1956	1981	1968	1990	1958
MIN	4.73	7.25	16.0	7.51	11.0	44.0	58.6	30.8	18.6	11.4	1.13	.40
(WY)	1954	1954	1963	1963	1963	1964	1966	1958	1988	1988	1967	1967

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	27188.4		32282.0			
ANNUAL MEAN	74.5		88.4		105	
HIGHEST ANNUAL MEAN					196	1950
LOWEST ANNUAL MEAN					30.8	1964
HIGHEST DAILY MEAN	380	Apr 17	328	Apr 17	944	Mar 21 1982
LOWEST DAILY MEAN	1.7	Sep 23	3.4	Oct 5	.08	Aug 4 1967
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 22	3.7	Oct 2	.28	Aug 22 1967
INSTANTANEOUS PEAK FLOW			331	Apr 18	950	Mar 21 1982
INSTANTANEOUS PEAK STAGE			7.64	Apr 18	9.25	Mar 21 1982
ANNUAL RUNOFF (CFSM)	.66		.78		.93	
ANNUAL RUNOFF (INCHES)	8.95		10.63		12.60	
10 PERCENT EXCEEDS	160		208		234	
50 PERCENT EXCEEDS	55		66		76	
90 PERCENT EXCEEDS	7.0		7.4		15	

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 mi².
PERIOD OF RECORD.--October 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 823.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow occasionally regulated by lakes upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.9	9.5	11	13	14	11	21	29	62	5.5	2.4
2	3.1	4.0	7.3	13	14	13	10	20	25	45	5.8	2.2
3	2.9	3.7	5.9	e11	14	12	10	19	23	35	6.8	2.3
4	2.7	4.0	5.1	e9.6	14	10	10	18	21	27	16	2.3
5	2.7	6.7	4.6	e8.4	13	10	9.2	18	18	23	36	2.2
6	2.7	17	6.4	e7.8	e11	9.9	9.0	17	18	20	28	2.2
7	2.5	15	44	e7.2	e10	45	8.4	15	25	17	20	2.5
8	2.8	10	53	e7.0	e9.0	73	18	14	45	14	16	2.4
9	3.1	13	44	e6.5	e8.2	61	52	15	33	13	13	2.5
10	2.8	19	38	e6.6	7.7	45	126	15	27	13	12	2.5
11	2.6	18	28	6.3	e7.7	37	126	15	24	12	9.8	2.4
12	2.6	15	22	9.2	e7.5	32	114	14	21	12	8.5	2.0
13	2.4	14	18	21	e7.2	28	87	13	18	11	7.5	1.9
14	2.3	18	15	38	e6.8	25	70	15	16	9.4	6.6	1.8
15	2.2	13	13	42	e6.4	22	54	14	14	8.0	5.7	1.7
16	2.3	8.6	13	34	e6.2	20	45	14	13	13	5.1	1.9
17	2.4	6.2	16	26	e5.8	17	40	15	12	12	5.3	2.0
18	2.4	5.6	17	23	e5.6	16	41	15	10	8.3	5.9	1.8
19	2.5	4.0	16	33	e5.3	15	39	18	9.9	6.5	5.1	1.7
20	2.7	3.6	14	71	e7.0	14	35	17	9.5	5.7	4.8	1.9
21	2.5	3.4	12	77	e7.0	14	38	15	8.9	5.5	4.3	1.8
22	2.3	3.5	11	63	e8.6	14	36	13	8.2	5.7	3.6	1.8
23	2.4	3.5	11	46	e8.0	14	31	12	8.1	5.7	3.2	1.7
24	3.0	3.4	11	37	e7.6	13	28	51	9.3	5.7	2.9	1.7
25	3.0	3.0	11	e30	e7.6	13	26	66	10	5.7	2.9	1.5
26	3.0	3.1	9.8	e24	e7.2	12	24	56	25	5.4	2.9	1.5
27	3.1	6.5	9.4	e19	e10	12	22	45	74	6.2	2.7	1.3
28	3.0	19	9.1	e16	15	13	21	62	96	6.5	2.6	1.3
29	3.9	16	8.6	e15	---	12	19	60	95	5.9	2.6	1.3
30	3.6	13	8.1	e14	---	12	20	47	80	5.2	2.5	1.2
31	3.2	---	8.4	e13	---	11	---	36	---	4.9	2.5	---
TOTAL	86.0	276.7	499.2	745.6	250.4	658.9	1179.6	785	825.9	429.3	256.1	57.7
MEAN	2.77	9.22	16.1	24.1	8.94	21.3	39.3	25.3	27.5	13.8	8.26	1.92
MAX	3.9	19	53	77	15	73	126	66	96	62	36	2.5
MIN	2.2	3.0	4.6	6.3	5.3	9.9	8.4	12	8.1	4.9	2.5	1.2
CFSM	.14	.47	.82	1.23	.46	1.08	2.01	1.29	1.40	.71	.42	.10
IN.	.16	.53	.95	1.42	.48	1.25	2.24	1.49	1.57	.81	.49	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	8.44	14.6	21.1	19.8	23.7	34.9	35.2	20.4	18.7	8.40	6.06	6.60
MAX	54.6	44.9	48.3	77.7	60.6	110	66.5	60.8	80.3	36.0	53.7	27.0
(WY)	1991	1993	1991	1993	1985	1982	1981	1981	1981	1994	1990	1980
MIN	1.04	2.18	1.43	.91	2.87	14.0	14.3	6.35	2.34	1.73	1.07	.80
(WY)	1977	1979	1977	1977	1979	1989	1976	1988	1988	1988	1971	1976

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995		
ANNUAL TOTAL	6616.4		6050.4				
ANNUAL MEAN	18.1		16.6		18.1		
HIGHEST ANNUAL MEAN					28.2		1981
LOWEST ANNUAL MEAN					10.0		1977
HIGHEST DAILY MEAN	167	Apr 12	126	Apr 10	389	Jun 14	1981
LOWEST DAILY MEAN	2.2	Oct 15	1.2	Sep 30	.40	Oct 15	1988
ANNUAL SEVEN-DAY MINIMUM	2.4	Oct 13	1.4	Sep 24	.46	Sep 12	1983
INSTANTANEOUS PEAK FLOW			160	Apr 10	561	Jun 13	1981
INSTANTANEOUS PEAK STAGE			3.34	Apr 10	5.38	Jun 13	1981
ANNUAL RUNOFF (CFSM)	.92		.85		.92		
ANNUAL RUNOFF (INCHES)	12.56		11.48		12.56		
10 PERCENT EXCEEDS	39		39		42		
50 PERCENT EXCEEDS	11		11		11		
90 PERCENT EXCEEDS	3.5		2.5		1.8		

e Estimated

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^2.
PERIOD OF RECORD.--September 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1944(M). WSP 1505: 1949-50(P). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 692.91 ft above sea level (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.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	302	617	545	e900	792	805	1470	2360	2850	363	240
2	226	347	551	535	e900	772	774	1430	2110	2670	394	234
3	220	336	505	541	e880	719	750	1360	1930	2420	434	232
4	216	339	481	e510	e800	676	734	1280	1790	2130	462	227
5	211	373	462	e490	e740	651	705	1240	1660	1860	840	222
6	208	525	455	e470	e660	649	674	1160	1550	1610	1060	216
7	207	594	613	e455	e680	909	631	1060	1490	1350	887	220
8	207	558	1170	e455	e660	2130	659	966	1690	1120	836	223
9	220	573	1190	e445	e650	2680	948	919	1970	979	814	222
10	221	709	1200	e455	e640	2540	1880	908	1800	887	781	225
11	222	751	1150	e470	e640	2330	2720	902	1660	800	672	223
12	226	692	1060	e560	e630	2220	3150	896	1580	739	582	219
13	222	620	968	789	e600	2090	3200	832	1510	686	509	217
14	218	567	886	1230	e560	1930	3200	873	1400	614	463	212
15	214	532	818	1670	e550	1780	3120	947	1190	540	453	206
16	209	507	777	1590	e580	1650	2920	908	969	549	429	202
17	207	503	808	1370	e590	1530	2650	909	847	719	423	203
18	205	491	865	1250	e580	1430	2450	926	773	831	393	197
19	203	458	850	1230	e605	1330	2350	973	712	803	367	194
20	211	447	816	1580	611	1260	2230	1050	678	705	359	194
21	211	440	776	1860	619	1190	2160	948	656	605	344	193
22	213	425	743	1740	618	1100	2120	859	658	544	323	200
23	213	413	711	1550	607	1040	2020	772	599	521	310	203
24	212	399	681	e1360	604	987	1900	1430	567	498	310	204
25	216	377	654	e1250	600	940	1810	2700	529	475	302	204
26	219	369	631	e1120	590	910	1740	3160	541	457	276	202
27	220	371	610	e1000	624	891	1670	3000	1390	442	268	198
28	220	517	593	e940	715	895	1590	2830	2260	425	262	192
29	219	677	573	e920	---	881	1510	2930	2630	402	253	187
30	217	678	555	e940	---	859	1470	2970	2920	397	248	183
31	224	---	543	e880	---	831	---	2690	---	391	245	---
TOTAL	6687	14890	23312	30200	18433	40592	54540	45298	42419	30019	14662	6294
MEAN	216	496	752	974	658	1309	1818	1461	1414	968	473	210
MAX	230	751	1200	1860	900	2680	3200	3160	2920	2850	1060	240
MIN	203	302	455	445	550	649	631	772	529	391	245	183
CFSM	.25	.58	.88	1.14	.77	1.53	2.12	1.71	1.65	1.13	.55	.25
IN.	.29	.65	1.01	1.31	.80	1.76	2.37	1.97	1.84	1.30	.64	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	470	595	809	982	1165	1464	1560	1113	882	563	412	360
MAX	2112	1933	2478	3552	3020	4239	4116	2869	3468	1311	2699	1224
(WY)	1991	1973	1967	1950	1959	1982	1950	1981	1981	1951	1990	1958
MIN	134	155	177	183	192	451	525	337	243	180	155	107
(WY)	1954	1954	1964	1963	1963	1957	1958	1958	1988	1988	1988	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	321617		327346			
ANNUAL MEAN	881		897		862	
HIGHEST ANNUAL MEAN					1580	1950
LOWEST ANNUAL MEAN					354	1964
HIGHEST DAILY MEAN	5410	Apr 14	3200	Apr 13	8450	Jun 15 1981
LOWEST DAILY MEAN	203	Sep 23	183	Sep 30	87	Sep 13 1966
ANNUAL SEVEN-DAY MINIMUM	208	Oct 16	196	Sep 24	93	Sep 8 1966
INSTANTANEOUS PEAK FLOW			3210	Apr 13	8660	Jun 15 1981
INSTANTANEOUS PEAK STAGE			11.22	Apr 13	15.22	Aug 20 1990
ANNUAL RUNOFF (CFSM)	1.03		1.05		1.01	
ANNUAL RUNOFF (INCHES)	13.98		14.23		13.69	
10 PERCENT EXCEEDS	1750		1950		1800	
50 PERCENT EXCEEDS	613		674		600	
90 PERCENT EXCEEDS	226		218		211	

e Estimated

03333050 TIPPECANOE RIVER NEAR DELPHI, IN

LOCATION.--Lat 40°35'38", long 86°46'12", in SW¹/₄SW¹/₄ sec.21, T.25 N., R.3 W., Carroll County, Hydrologic Unit 05120106, on left bank 20 ft upstream from bridge on State Highway 18, 1,400 ft east of Springboro, 8.1 mi downstream from Big Creek, 5 mi west of Delphi, and at mile 8.7.
DRAINAGE AREA.--1,869 mi².
PERIOD OF RECORD.--March to December 1903, March to December 1904, March 1905 to July 1906, November and December 1908, July 1939 to September 1987, October 1987 to current year. Published as "at Springboro" 1903-08. Published Published as "03333000 Tippecanoe River near Delphi:" July 1939 to September 1987.
REVISED RECORDS.--WSP 973: 1942. WSP 1335: 1905-6. WSP 2109: Drainage area. WDR IN-92-1: 1988-1991 (above 5900 ft³/s). WDR-IN-94-1: 1991 (maximum discharge).
GAGE.--Water-stage recorder. Datum of gage is 535.00 ft above sea level. Mar. 14, 1903, to July 20, 1906, and Nov. 2 to Dec. 31, 1908, nonrecording gage at present site at different datum. July 1939 to Sept. 30, 1987, at site 6.4 mi upstream at datum 17.01 ft higher.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by upstream reservoirs.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	567	1370	1080	1890	1310	1480	2350	3640	3240	672	322
2	433	680	1040	928	1870	1170	1140	2090	3260	2850	844	392
3	371	561	1010	1060	1880	1250	1500	1870	3600	2830	1200	372
4	353	900	964	557	1680	1240	1210	1770	2960	2620	1020	398
5	393	866	1050	800	1330	1190	1180	1810	2650	2370	1230	377
6	394	1520	1100	1280	1390	1270	1130	1780	2320	2060	1400	389
7	393	1220	2550	738	1230	3530	1230	1760	2290	1930	1500	367
8	442	1390	3450	1130	939	6220	1600	1510	2080	1520	1260	435
9	555	1320	3040	860	1030	4870	2160	1640	2090	1570	1090	426
10	421	1560	2960	878	1310	4440	4930	1380	2550	1300	1300	393
11	390	1870	2240	908	1430	4110	7070	1620	2270	1200	1090	387
12	456	1410	2360	952	1140	3730	6420	1400	2060	1260	1080	388
13	445	1390	2010	2470	1100	3120	5530	1560	1870	1080	856	369
14	431	1260	1670	4110	1060	3040	4810	3970	1890	1100	793	363
15	373	1180	1570	4570	1070	2690	4300	3440	1810	837	803	363
16	446	1100	1650	3730	1070	2630	3980	2610	1540	1240	746	377
17	443	912	1630	3120	1170	2210	3750	2920	1360	2550	487	355
18	406	988	1940	2720	1160	2010	3560	3000	1360	1880	713	1350
19	430	974	1810	2730	1120	2110	3660	4250	1340	1300	602	1920
20	417	956	1640	4200	1280	1970	3060	3680	1130	1220	630	1230
21	403	864	1620	3710	1250	1670	3640	2800	1060	1200	601	1200
22	398	1060	1390	3180	770	1810	3890	2060	1200	1040	499	618
23	559	693	1380	2630	1380	1650	3340	1980	1060	999	440	868
24	288	663	1500	2550	1020	1590	2830	4700	1180	910	502	441
25	396	1030	1380	1880	1070	1380	2820	7450	1150	1080	471	439
26	385	514	1170	1940	1010	1530	2470	6270	1310	850	490	302
27	460	966	1370	2130	1090	1650	2610	5190	1770	872	440	291
28	385	1530	1100	2020	1110	1440	2190	6170	3260	910	412	344
29	385	1660	1080	1820	---	1580	2120	6290	3320	731	471	361
30	417	1400	988	1670	---	1420	2010	4580	3220	700	440	351
31	484	---	1340	1710	---	1550	---	3970	---	588	439	---
TOTAL	13000	33004	51372	64061	34849	71380	91620	97870	62600	45837	24521	16188
MEAN	419	1100	1657	2066	1245	2303	3054	3157	2087	1479	791	540
MAX	559	1870	3450	4570	1890	6220	7070	7450	3640	3240	1500	1920
MIN	288	514	964	557	770	1170	1130	1380	1060	588	412	291
CFSM	.22	.59	.89	1.11	.67	1.23	1.63	1.69	1.12	.79	.42	.29
IN.	.26	.66	1.02	1.28	.69	1.42	1.82	1.95	1.25	.91	.49	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	1536	1934	2234	3029	2415	2984	3268	2167	1850	1445	1168	1297
MAX	4185	4120	3819	6854	4660	4950	4958	3157	3360	2508	4849	3092
(WY)	1991	1993	1991	1993	1990	1990	1994	1995	1993	1993	1990	1993
MIN	419	929	810	1460	1245	1326	1787	983	493	360	308	364
(WY)	1995	1988	1990	1992	1995	1989	1989	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	656824		606302			
ANNUAL MEAN	1800		1661		2108	
HIGHEST ANNUAL MEAN					3046	1993
LOWEST ANNUAL MEAN					1516	1992
HIGHEST DAILY MEAN	17100	Apr 13	7450	May 25	18400	Dec 30 1990
LOWEST DAILY MEAN	288	Sep 8	288	Oct 24	131	Aug 5 1988
ANNUAL SEVEN-DAY MINIMUM	388	Oct 24	361	Sep 24	255	Aug 2 1988
INSTANTANEOUS PEAK FLOW			8320	May 25	20600	Apr 12 1994
INSTANTANEOUS PEAK STAGE			7.80	May 25	13.72	Apr 12 1994
ANNUAL RUNOFF (CFSM)	.96		.89		1.13	
ANNUAL RUNOFF (INCHES)	13.07		12.07		15.33	
10 PERCENT EXCEEDS	3510		3480		4140	
50 PERCENT EXCEEDS	1370		1300		1620	
90 PERCENT EXCEEDS	431		415		470	

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^2.
PERIOD OF RECORD.--July 1961 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 820.04 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 18 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	e3.5	15	14	45	34	42	59	e80	283	11	2.8
2	2.5	e5.0	11	12	45	28	41	56	e66	163	10	3.0
3	2.3	e8.0	10	e9.4	e42	27	39	50	e54	110	9.0	3.1
4	2.4	e6.6	9.3	e7.8	e38	26	38	47	e48	80	9.6	3.0
5	2.5	12	9.5	e6.6	e35	29	33	46	e45	60	19	3.0
6	2.6	21	9.0	e6.4	e32	51	32	41	e46	47	18	2.7
7	3.7	27	21	e6.5	e30	441	34	39	e47	38	13	2.8
8	4.3	24	84	e6.6	e28	1580	39	38	e50	30	11	3.9
9	5.2	18	53	e6.7	e26	902	69	39	e43	27	9.5	4.1
10	5.1	27	62	e6.8	e25	556	159	43	e94	25	8.5	4.0
11	4.6	37	60	e8.0	e23	418	286	42	e300	22	7.5	3.4
12	3.9	21	37	13	e20	315	293	35	e200	19	6.7	3.4
13	e3.5	15	29	20	e17	238	272	32	e130	17	5.9	3.4
14	e3.1	12	24	24	e16	189	179	337	e96	15	5.3	3.2
15	e2.8	10	20	56	e17	157	137	274	e74	19	4.9	2.8
16	e2.6	8.9	19	52	e18	137	118	152	e60	168	5.4	2.6
17	e2.5	8.0	123	38	e19	116	100	134	e48	85	5.3	2.4
18	e2.4	7.5	149	35	20	96	137	164	e41	38	4.8	2.4
19	e3.3	6.7	91	101	21	90	228	897	e37	23	4.3	2.4
20	e5.8	6.5	57	646	22	89	162	647	e35	18	4.1	2.6
21	e4.7	6.5	43	761	23	86	171	348	e37	16	4.0	2.8
22	e3.7	5.8	34	366	21	72	185	225	e36	15	3.5	3.3
23	e3.0	6.7	30	216	20	66	149	e160	34	16	3.4	3.2
24	e2.5	6.4	26	e140	20	56	132	e250	31	20	3.2	2.8
25	e3.4	5.7	22	e110	18	48	107	e680	37	97	3.1	2.6
26	e5.0	5.5	20	e86	17	45	89	e460	37	130	3.1	2.6
27	e4.1	6.4	17	e72	18	48	85	e350	153	67	2.9	2.6
28	e3.5	42	16	e60	25	52	72	e320	329	38	3.0	2.6
29	e3.0	49	15	e56	---	48	63	e220	370	24	3.0	2.4
30	e2.7	23	13	e43	---	46	63	e140	541	17	3.2	2.0
31	e2.6	---	12	e44	---	43	---	e100	---	13	3.3	---
TOTAL	106.6	441.7	1140.8	3029.8	701	6129	3554	6425	3199	1740	208.5	87.9
MEAN	3.44	14.7	36.8	97.7	25.0	198	118	207	107	56.1	6.73	2.93
MAX	5.8	49	149	761	45	1580	293	897	541	283	19	4.1
MIN	2.3	3.5	9.0	6.4	16	26	32	32	31	13	2.9	2.0
CFSM	.02	.10	.25	.67	.17	1.35	.81	1.42	.73	.38	.05	.02
IN.	.03	.11	.29	.77	.18	1.56	.91	1.64	.82	.44	.05	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

MEAN	44.9	123	166	153	200	285	231	144	116	89.1	36.3	48.4
MAX	252	834	622	687	649	793	689	372	544	692	199	589
(WY)	1970	1993	1991	1974	1976	1982	1964	1989	1980	1992	1973	1989
MIN	1.72	2.95	2.49	1.02	11.2	52.6	38.7	17.9	8.20	7.00	3.80	2.09
(WY)	1967	1977	1977	1977	1963	1981	1971	1976	1988	1994	1966	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1962 - 1995	
ANNUAL TOTAL	29685.1		26763.3			
ANNUAL MEAN	81.3		73.3		136	
HIGHEST ANNUAL MEAN					253	1993
LOWEST ANNUAL MEAN					50.2	1966
HIGHEST DAILY MEAN	2520	Apr 12	1580	Mar 8	6030	Jul 14 1992
LOWEST DAILY MEAN	2.3	Oct 3	2.0	Sep 30	.89	Jan 24 1977
ANNUAL SEVEN-DAY MINIMUM	2.8	Oct 1	2.5	Sep 24	.90	Jan 20 1977
INSTANTANEOUS PEAK FLOW			1780	Mar 8	7120	Jul 14 1992
INSTANTANEOUS PEAK STAGE			8.00	Mar 8	13.71	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.56		.50		.93	
ANNUAL RUNOFF (INCHES)	7.56		6.82		12.65	
10 PERCENT EXCEEDS	161		174		328	
50 PERCENT EXCEEDS	22		26		46	
90 PERCENT EXCEEDS	3.8		3.0		4.9	

e Estimated

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 mi².
PERIOD OF RECORD.--July 1959 to current year.
REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-72-1: 1970-71(P).
GAGE.--Water-stage recorder. Datum of gage is 807.68 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.54	e1.2	e2.2	e1.9	11	6.7	11	10	18	42	5.2	.40
2	e.45	e1.3	e1.6	e1.7	11	6.1	10	9.2	17	27	4.4	.37
3	e.32	e1.3	e1.4	e1.5	e8.0	6.0	9.2	8.3	15	20	3.8	.35
4	e.33	e1.4	e1.3	e1.3	e7.2	6.1	8.3	7.9	12	16	3.8	.31
5	e.34	e1.5	e1.2	e1.1	e6.2	7.5	7.2	7.5	12	13	4.7	.27
6	e.35	e2.0	e1.2	e.94	e5.8	9.6	7.5	7.2	12	10	4.9	.28
7	e.49	e3.5	e2.5	e.90	e5.4	160	7.5	6.5	11	8.0	3.9	.36
8	e.59	e3.2	e10	e.86	e4.8	274	14	6.5	8.9	6.4	3.4	.91
9	e.78	e2.6	e6.6	e.82	e4.6	135	23	7.5	7.9	6.0	3.0	.74
10	e.80	e3.0	e7.4	e.80	e4.2	86	49	8.8	39	5.8	2.6	.69
11	e.76	e4.6	e7.2	e.78	e3.9	66	52	7.2	34	4.8	2.2	.68
12	e.56	e3.5	e5.4	e1.7	e3.7	51	70	6.6	21	4.2	1.9	.50
13	e.58	e2.5	e3.9	e2.8	e3.7	40	48	71	15	3.7	1.7	.64
14	e.62	e2.0	e3.2	e3.5	e3.6	33	32	146	12	3.3	1.5	.79
15	e.66	e1.5	e2.7	e6.8	e3.6	26	27	57	9.7	11	1.3	.61
16	e.67	e1.2	e2.5	e6.6	e3.5	24	24	36	8.1	11	1.2	e.54
17	e.64	e1.1	e16	e5.0	e3.4	21	19	35	7.3	7.0	1.8	e.48
18	e.62	e1.0	e19	e4.5	e4.0	17	35	105	6.8	4.7	1.4	e.43
19	e.70	e.98	e14	38	6.1	16	30	131	6.4	3.5	1.1	e.41
20	e.80	e.92	e9.0	130	6.4	16	26	64	6.2	3.0	.96	e.42
21	e.88	e.86	e6.0	92	6.2	16	29	41	5.7	3.3	.92	e.49
22	e.90	e.82	e4.6	41	5.8	14	26	27	5.6	3.5	.74	e.58
23	e.94	e.91	e4.0	29	6.1	13	23	25	5.0	3.8	.62	e.80
24	e1.1	e.86	e3.4	23	5.7	11	20	65	11	23	.59	e.59
25	e1.1	e.80	e2.9	18	5.2	9.7	16	92	11	98	.64	e.64
26	e1.0	e.78	e2.6	e12	5.5	8.8	15	55	22	54	.57	e.59
27	e.94	e1.4	e2.3	e11	6.1	11	12	39	104	31	.52	e.58
28	e1.0	e5.2	e2.2	e10	6.9	12	12	38	136	19	.57	e.51
29	e1.0	e6.0	e2.0	e9.2	---	12	11	30	142	12	.90	e.43
30	e1.0	e3.5	e1.9	e9.0	---	12	11	24	74	8.0	1.1	e.33
31	e1.0	---	e1.7	e8.6	---	11	---	20	---	6.3	.52	---
TOTAL	22.46	61.43	151.9	474.30	157.6	1137.5	684.7	1194.2	795.6	472.3	62.45	15.72
MEAN	.72	2.05	4.90	15.3	5.63	36.7	22.8	38.5	26.5	15.2	2.01	.52
MAX	1.1	6.0	19	130	11	274	70	146	142	98	5.2	.91
MIN	.32	.78	1.2	.78	3.4	6.0	7.2	6.5	5.0	3.0	.52	.27
CFSM	.03	.08	.20	.62	.23	1.49	.92	1.56	1.07	.62	.08	.02
IN.	.03	.09	.23	.71	.24	1.71	1.03	1.80	1.20	.71	.09	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1995, BY WATER YEAR (WY)

MEAN	9.76	21.2	26.3	24.7	34.2	49.6	42.0	24.1	16.4	13.1	6.64	7.02
MAX	68.1	144	102	114	129	150	117	78.0	99.7	90.2	34.7	66.7
(WY)	1970	1993	1991	1974	1990	1982	1964	1990	1980	1992	1990	1989
MIN	.55	.57	.44	.33	1.98	7.87	6.91	2.52	1.20	1.07	.50	.16
(WY)	1965	1977	1977	1977	1964	1981	1976	1976	1988	1988	1988	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1960 - 1995	
ANNUAL TOTAL	5455.30		5230.16			
ANNUAL MEAN	14.9		14.3		22.8	
HIGHEST ANNUAL MEAN					45.2	1993
LOWEST ANNUAL MEAN					8.76	1966
HIGHEST DAILY MEAN	552	Apr 12	274	Mar 8	757	Dec 30 1990
LOWEST DAILY MEAN	.32	Oct 3	.27	Sep 5	.07	Sep 18 1988
ANNUAL SEVEN-DAY MINIMUM	.40	Oct 1	.33	Sep 1	.11	Jul 25 1975
INSTANTANEOUS PEAK FLOW			400	May 13	1040	Apr 20 1964
INSTANTANEOUS PEAK STAGE			5.74	May 13	9.88	Apr 20 1964
ANNUAL RUNOFF (CFSM)	.61		.58		.92	
ANNUAL RUNOFF (INCHES)	8.22		7.88		12.56	
10 PERCENT EXCEEDS	34		35		54	
50 PERCENT EXCEEDS	4.6		5.4		7.6	
90 PERCENT EXCEEDS	.80		.60		.89	

e Estimated

03333700 WILDCAT CREEK AT KOKOMO, IN

LOCATION.--Lat 40°28'15", long 86°09'11", in SW¼NE¼ sec.2, T.23 N., R.3 E., Howard County, Hydrologic Unit 05120107, on right bank on property of Kokomo Sewage Treatment Plant in Kokomo, 250 ft downstream from Kokomo Creek, 1.0 mi upstream from Dixon Road bridge, and at mile 62.9.
DRAINAGE AREA.--242 mi^2.
PERIOD OF RECORD.--October 1955 to current year.
REVISED RECORDS.--WSP 2109: Drainage area. WDR-IN-83: 1980, 1981(P), 1982. WDR-IN-88: 1986(P), 1987 (M).
GAGE.--Water-stage recorder. Datum of gage is 775.62 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to May 9, 1986, recording gage at site 0.4 mi downstream at present datum.
REMARKS.--No estimated daily discharges, records good. Some regulation by Kokomo Reservoirs Nos. 1 and 2, (combined capacity 4,170 acre-ft, used for municipal water supply) and by Kokomo Sewage Treatment Plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	39	26	46	84	49	75	109	162	519	49	23
2	21	27	26	39	83	52	72	94	154	206	55	22
3	22	24	26	40	82	52	72	90	135	184	47	22
4	22	30	27	37	84	48	69	97	120	138	47	21
5	22	44	41	32	76	66	65	86	102	109	64	24
6	21	56	38	31	66	65	62	81	101	87	46	22
7	22	30	114	32	66	975	62	76	101	73	41	23
8	26	28	58	31	63	2160	138	81	107	64	41	32
9	39	58	60	31	58	1840	185	72	88	61	39	23
10	25	50	75	31	57	1110	394	102	325	58	37	22
11	22	32	88	39	56	766	539	93	421	49	34	23
12	22	30	84	41	49	547	634	78	282	45	33	22
13	22	27	62	49	45	321	523	70	179	43	31	24
14	22	32	54	67	43	103	361	1040	135	42	32	24
15	21	31	49	72	49	111	259	659	109	197	32	21
16	19	28	66	90	49	198	205	337	92	155	31	20
17	21	27	81	84	47	185	180	341	79	161	34	19
18	41	26	156	82	44	155	296	409	72	86	31	22
19	61	25	141	143	43	137	334	1290	70	63	29	21
20	27	25	104	744	45	140	328	1230	67	51	49	24
21	26	38	85	1180	47	135	286	645	72	51	37	23
22	24	28	72	690	45	130	305	385	69	60	28	24
23	23	28	66	370	45	127	258	281	60	67	26	20
24	29	24	61	243	42	101	210	655	68	153	25	21
25	26	24	53	166	41	88	176	946	74	488	25	22
26	24	24	52	140	42	80	154	625	122	329	24	21
27	24	45	49	123	49	99	135	399	389	196	22	21
28	24	50	46	117	49	94	133	376	954	115	23	22
29	24	31	46	93	---	91	116	290	1030	82	30	21
30	22	28	44	86	---	87	127	228	877	64	26	21
31	25	---	45	86	---	81	---	183	---	54	25	---
TOTAL	791	989	1995	5055	1549	10193	6753	11448	6616	4130	1093	670
MEAN	25.5	33.0	64.4	163	55.3	329	225	369	221	133	35.3	22.3
MAX	61	58	156	1180	84	2160	634	1290	1030	519	64	32
MIN	19	24	26	31	41	48	62	70	60	42	22	19
CFSM	.11	.14	.27	.67	.23	1.36	.93	1.53	.91	.55	.15	.09
IN.	.12	.15	.31	.78	.24	1.57	1.04	1.76	1.02	.63	.17	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1995, BY WATER YEAR (WY)

MEAN	87.3	207	265	253	338	445	430	255	228	168	87.8	89.4
MAX	469	1387	968	1375	1097	1376	1117	626	1432	962	383	879
(WY)	1970	1993	1991	1974	1990	1982	1957	1989	1958	1992	1973	1989
MIN	11.2	15.5	13.8	16.5	25.8	67.4	71.7	53.6	28.2	28.6	25.2	12.8
(WY)	1957	1957	1964	1961	1964	1981	1966	1988	1988	1988	1966	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1956 - 1995	
ANNUAL TOTAL	56669		51282			
ANNUAL MEAN	155		140		237	
HIGHEST ANNUAL MEAN					444	1993
LOWEST ANNUAL MEAN					89.7	1966
HIGHEST DAILY MEAN	3980	Apr 12	2160	Mar 8	6970	Feb 24 1985
LOWEST DAILY MEAN	19	Oct 16	19	Oct 16	7.2	Sep 30 1956
ANNUAL SEVEN-DAY MINIMUM	21	Oct 11	21	Sep 23	8.3	Dec 28 1963
INSTANTANEOUS PEAK FLOW			2380	Mar 8	8100	Feb 10 1959
INSTANTANEOUS PEAK STAGE			8.16	Mar 8	16.95	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.64		.58		.98	
ANNUAL RUNOFF (INCHES)	8.71		7.88		13.31	
10 PERCENT EXCEEDS	317		335		552	
50 PERCENT EXCEEDS	56		60		88	
90 PERCENT EXCEEDS	24		23		25	

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, on left bank 200 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^2.
PERIOD OF RECORD.--October 1943 to September 1973. Annual maximum, water years 1975-81. October 1988 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.
REVISED RECORDS.--WSP 1625: 1958. WSP 2109: Drainage area. WDR 94-1: 1988-1993.
GAGE.--Water-stage recorder. Datum of gage is 624.63 ft above sea level. Prior to Oct. 1, 1950, nonrecording gage at site 500 ft upstream at same datum.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Some regulation at low stages for municipal water supply by Kokomo Water Company since 1955.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 14.00 ft, from floodmarks.
REVISIONS.--Water Resources Data 1988-1993: The instantaneous peak flow for the period of record has been published erroneously as 10,200 ft^3/s on Jan. 5, 1950. The correct peak flow is 10,800 ft^3/s on Jan. 4, 1980.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	56	86	118	188	123	169	236	372	1080	172	54
2	49	66	79	e100	185	117	164	219	342	680	146	53
3	48	85	76	e93	182	117	159	198	315	416	175	49
4	46	68	75	e90	177	118	157	193	279	296	147	45
5	49	68	79	e80	164	122	151	198	248	237	128	41
6	43	141	101	e76	e150	143	145	187	225	195	150	40
7	44	170	130	e76	e140	934	143	175	215	166	127	44
8	46	112	317	e76	e130	2750	165	168	206	145	113	46
9	49	99	214	e76	e120	2650	287	171	203	131	107	53
10	73	142	205	e76	e120	1960	510	176	208	122	104	e52
11	61	171	203	e86	e110	1320	1040	209	602	120	99	e46
12	52	128	196	112	e100	1100	1090	198	551	106	96	e48
13	49	112	186	132	e100	944	1040	175	375	96	86	e46
14	50	103	159	143	e96	530	843	1510	276	89	80	e50
15	47	96	142	184	e100	304	533	1520	226	101	76	e50
16	47	98	137	179	e110	294	398	1020	191	281	72	e45
17	45	88	165	182	e110	339	347	935	172	230	77	e42
18	45	85	198	179	e110	311	387	825	158	203	71	e40
19	50	80	249	201	114	283	599	1430	144	140	77	e46
20	118	77	234	555	114	264	538	1660	139	113	73	e44
21	74	80	198	1260	114	257	553	1320	132	102	64	e50
22	57	92	175	1240	113	244	470	891	134	102	93	e48
23	54	88	158	863	111	239	436	616	140	99	68	e50
24	49	77	149	e370	107	228	385	1170	127	315	59	e42
25	51	76	141	e280	102	195	336	1640	126	1350	58	e43
26	58	71	133	e240	103	183	297	1360	143	989	58	e46
27	54	75	126	e220	109	182	276	1030	235	544	54	e44
28	50	90	124	e210	124	200	253	948	829	322	50	e44
29	49	133	119	e200	---	190	242	792	1250	223	47	e46
30	48	97	112	e180	---	182	233	567	1280	175	53	e44
31	49	---	118	e180	---	175	---	445	---	148	59	---
TOTAL	1660	2924	4784	8057	3503	16998	12346	22182	9843	9316	2839	1391
MEAN	53.5	97.5	154	260	125	548	412	716	328	301	91.6	46.4
MAX	118	171	317	1260	188	2750	1090	1660	1280	1350	175	54
MIN	43	56	75	76	96	117	143	168	126	89	47	40
CFSM	.14	.25	.39	.66	.32	1.38	1.04	1.81	.83	.76	.23	.12
IN.	.16	.27	.45	.76	.33	1.60	1.16	2.08	.92	.88	.27	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1995, BY WATER YEAR (WY)

MEAN	155	280	341	556	521	629	719	442	361	288	137	144
MAX	670	2024	1325	3083	1725	1270	1857	984	2536	1589	707	1339
(WY)	1970	1993	1958	1950	1959	1973	1957	1952	1958	1992	1958	1989
MIN	20.0	30.3	25.9	24.6	50.0	154	137	120	84.8	41.5	37.1	20.6
(WY)	1945	1945	1945	1945	1963	1954	1971	1954	1949	1954	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1945 - 1995	
ANNUAL TOTAL	102101		95843			
ANNUAL MEAN	280		263		380	
HIGHEST ANNUAL MEAN					733	1950
LOWEST ANNUAL MEAN					104	1954
HIGHEST DAILY MEAN	5800	Apr 13	2750	Mar 8	9850	Jan 5 1950
LOWEST DAILY MEAN	43	Oct 6	40	Sep 6	12	Oct 23 1944
ANNUAL SEVEN-DAY MINIMUM	46	Sep 17	44	Sep 24	15	Sep 23 1954
INSTANTANEOUS PEAK FLOW			2850	Mar 8	10800	Jan 4 1980
INSTANTANEOUS PEAK STAGE			6.26	Mar 8	13.30	Jan 5 1950
ANNUAL RUNOFF (CFSM)	.71		.66		.96	
ANNUAL RUNOFF (INCHES)	9.59		9.00		13.04	
10 PERCENT EXCEEDS	501		642		897	
50 PERCENT EXCEEDS	142		140		166	
90 PERCENT EXCEEDS	57		49		40	

e Estimated

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^2.
PERIOD OF RECORD.--October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1948(M). WSP 1505: 1947. WSP 1725: 1951-53(M), 1955(M). WSP 1909: 1955(P). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 566.60 ft above sea level (Indiana Department of Highways bench mark). Prior to July 29, 1954, nonrecording gage at site 40 ft downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Backwater from Middle Fork at times on peaks.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 16.8 ft, from floodmarks, discharge, 17,900 ft^3/s by contracted-opening measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	51	83	83	123	90	148	155	231	260	36	31
2	37	57	77	82	126	84	145	150	211	185	38	28
3	35	50	75	e74	131	79	142	145	228	145	48	27
4	35	50	73	e66	e100	79	141	142	198	124	39	25
5	36	56	74	e62	e94	82	138	142	171	111	59	24
6	36	120	73	e63	e90	91	134	135	161	99	60	23
7	36	160	107	e64	e88	1110	133	129	152	86	43	24
8	36	110	221	e65	e84	3150	139	127	141	76	40	30
9	39	97	187	e66	e82	1610	154	127	130	69	38	35
10	48	188	173	e68	e80	1020	164	139	159	67	39	31
11	41	212	167	70	e78	746	182	162	213	63	39	27
12	40	153	142	86	e75	568	212	146	167	60	36	25
13	40	124	126	96	e72	446	246	137	141	57	35	25
14	40	110	114	109	e70	364	212	218	126	55	33	26
15	40	103	105	158	e72	306	187	292	116	53	32	25
16	39	95	102	155	e75	272	174	229	107	51	32	24
17	39	89	138	131	e78	245	167	288	100	50	31	25
18	39	85	176	123	81	222	213	336	96	47	31	24
19	47	81	158	139	81	208	257	1120	92	44	30	23
20	58	75	140	343	81	202	239	894	91	42	33	24
21	47	79	128	522	83	196	244	531	91	44	29	25
22	44	87	118	340	80	184	239	362	91	44	28	27
23	43	79	112	249	78	182	217	281	90	45	28	26
24	42	75	106	201	76	177	206	344	89	49	27	26
25	43	72	99	168	74	165	192	828	89	47	26	24
26	46	71	94	e150	72	161	178	608	88	47	26	24
27	44	71	88	e140	75	161	172	412	98	50	26	24
28	43	85	85	e130	87	164	166	560	263	43	26	24
29	42	102	83	e120	---	159	157	471	435	41	26	23
30	42	92	79	e115	---	154	158	326	355	40	65	23
31	44	---	79	e120	---	151	---	263	---	37	44	---
TOTAL	1279	2879	3582	4358	2386	12828	5456	10199	4720	2231	1123	772
MEAN	41.3	96.0	116	141	85.2	414	182	329	157	72.0	36.2	25.7
MAX	58	212	221	522	131	3150	257	1120	435	260	65	35
MIN	35	50	73	62	70	79	133	127	88	37	26	23
CFSM	.17	.39	.48	.58	.35	1.70	.75	1.35	.65	.30	.15	.11
IN.	.20	.44	.55	.67	.37	1.96	.84	1.56	.72	.34	.17	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	100	185	251	302	339	418	419	299	260	171	102	102
MAX	426	1304	954	1808	929	1143	1172	881	1674	954	510	849
(WY)	1970	1993	1991	1950	1985	1982	1964	1983	1958	1992	1958	1989
MIN	22.9	27.8	23.5	19.5	37.5	78.2	102	67.6	40.6	26.2	18.3	18.0
(WY)	1964	1957	1964	1977	1963	1981	1971	1976	1977	1977	1944	1944

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	70231		51813			
ANNUAL MEAN	192		142		245	
HIGHEST ANNUAL MEAN					473	1950
LOWEST ANNUAL MEAN					79.2	1954
HIGHEST DAILY MEAN	5170	Apr 12	3150	Mar 8	11000	May 2 1983
LOWEST DAILY MEAN	34	Sep 21	23	Sep 6	15	Sep 19 1944
ANNUAL SEVEN-DAY MINIMUM	35	Sep 17	24	Sep 24	16	Sep 17 1944
INSTANTANEOUS PEAK FLOW			3840	Mar 8	15100	May 2 1983
INSTANTANEOUS PEAK STAGE			9.25	Mar 8	15.68	May 2 1983
ANNUAL RUNOFF (CFSM)	.79		.58		1.01	
ANNUAL RUNOFF (INCHES)	10.75		7.93		13.69	
10 PERCENT EXCEEDS	327		245		537	
50 PERCENT EXCEEDS	110		88		112	
90 PERCENT EXCEEDS	43		30		34	

e Estimated

03335000 WILDCAT CREEK NEAR LAFAYETTE, IN

LOCATION.--Lat 40°26'26", long 86°49'45", in SW¼NW¼, 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.
DRAINAGE AREA.--794 mi².
PERIOD OF RECORD.--May 1954 to current year.
REVISED RECORDS.--WSP 1555: 1955, 1957(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 527.66 ft above sea level (Indiana Flood Control and Water Resources Commission bench mark). Nonrecording gage prior to June 13, 1957, and August 31, 1974, to May 20, 1976, at present site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	194	219	264	402	253	341	439	869	1450	235	105
2	123	197	205	251	398	242	330	416	777	995	309	97
3	118	211	200	e220	397	230	324	389	732	669	608	95
4	114	213	197	e190	e350	232	320	373	639	505	266	91
5	116	225	200	e180	e300	242	308	371	550	411	464	84
6	120	317	205	e190	e260	253	297	357	499	352	332	82
7	110	523	317	e195	e246	1760	297	331	464	301	237	90
8	114	377	745	e205	e242	5090	333	321	437	263	192	100
9	132	331	611	e215	e237	4480	455	323	413	241	178	100
10	135	429	521	e232	e232	3020	685	356	447	229	187	108
11	152	617	495	252	e229	2830	1370	403	826	223	168	100
12	147	468	439	272	e226	2240	1470	407	840	208	158	93
13	142	372	397	298	e222	1770	1540	358	640	191	150	92
14	139	324	355	338	e220	1340	1200	2100	499	180	141	91
15	141	292	317	454	e227	883	909	2660	422	209	134	86
16	142	265	308	468	e234	744	736	1650	373	393	126	86
17	138	242	371	415	e243	754	639	1620	336	488	124	89
18	138	225	494	403	251	681	733	1580	312	317	124	84
19	148	212	493	458	248	611	1050	3410	295	237	124	80
20	208	201	476	1000	244	563	957	3340	290	192	126	82
21	213	213	422	1920	241	534	994	2550	290	177	117	85
22	186	218	374	1830	234	491	930	1690	301	171	e110	88
23	176	218	347	1300	231	485	831	1240	316	173	e120	86
24	173	201	324	902	223	460	747	2050	315	188	e115	90
25	171	195	306	688	219	406	651	3390	323	1390	108	87
26	174	190	293	e560	211	378	572	2720	297	1080	105	82
27	178	198	279	e490	220	377	530	1980	288	643	106	81
28	175	213	270	e440	238	387	491	2220	948	416	100	82
29	171	270	263	e400	---	385	454	1890	1900	293	99	81
30	173	250	249	e380	---	362	446	1330	1890	230	128	80
31	173	---	258	e390	---	352	---	1050	---	200	121	---
TOTAL	4671	8401	10950	15800	7225	33635	20940	43314	17528	13015	5612	2677
MEAN	151	280	353	510	258	1085	698	1397	584	420	181	89.2
MAX	213	617	745	1920	402	5090	1540	3410	1900	1450	608	108
MIN	110	190	197	180	211	230	297	321	288	171	99	80
CFSM	.19	.35	.44	.64	.32	1.37	.88	1.76	.74	.53	.23	.11
IN.	.22	.39	.51	.74	.34	1.58	.98	2.03	.82	.61	.26	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1995, BY WATER YEAR (WY)

MEAN	317	622	842	825	1078	1393	1341	909	794	598	347	314
MAX	1298	3963	2474	3711	3227	3991	3657	2614	5210	2968	1511	2546
(WY)	1970	1993	1991	1974	1976	1982	1964	1983	1958	1992	1958	1989
MIN	67.9	85.6	67.0	61.6	104	290	310	231	130	84.4	79.8	68.8
(WY)	1964	1964	1964	1977	1963	1981	1971	1976	1988	1977	1966	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1955 - 1995	
ANNUAL TOTAL	223879		183768			
ANNUAL MEAN	613		503		779	
HIGHEST ANNUAL MEAN					1460	1993
LOWEST ANNUAL MEAN					310	1987
HIGHEST DAILY MEAN	10900	Apr 12	5090	Mar 8	22100	Jun 10 1958
LOWEST DAILY MEAN	110	Oct 7	80	Sep 19	47	Sep 6 1964
ANNUAL SEVEN-DAY MINIMUM	116	Oct 2	83	Sep 24	51	Dec 20 1963
INSTANTANEOUS PEAK FLOW			5880	Mar 8	25000	Jun 10 1958
INSTANTANEOUS PEAK STAGE			10.81	Mar 8	21.52	Jun 10 1958
ANNUAL RUNOFF (CFSM)	.77		.63		.98	
ANNUAL RUNOFF (INCHES)	10.49		8.61		13.34	
10 PERCENT EXCEEDS	1190		1130		1750	
50 PERCENT EXCEEDS	345		295		368	
90 PERCENT EXCEEDS	161		110		114	

e Estimated

03335500 WABASH RIVER AT LAFAYETTE, IN

LOCATION.--Lat 40°25'19", long 86°53'49", in NE¼SW¼ 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.

DRAINAGE AREA.--7,267 mi^2.

PERIOD OF RECORD.--February 1901 to January 1902, March to December 1902, January to May 1903 (gage heights only), October 1923 to current year. 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.

REVISED RECORDS.--WSP 1335: 1929, 1932-33, 1936. WSP 1505: 1950. WSP 1555: 1928(M). WSP 2109: Drainage area. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 504.14 ft above sea level. Prior to May 2, 1903, nonrecording gage 0.5 mi upstream at different datum. Oct. 7, 1923, to Nov. 20, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good except for Aug. 12 - Sept. 30 which are fair and those for estimated daily discharges, which are poor. Flow partially regulated by upstream reservoirs and power development.

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^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1540	2730	3710	3050	4830	3980	3900	5460	10600	16600	2590	1460
2	1430	2600	3360	2870	4980	4670	3540	5130	8210	13800	2640	1280
3	1520	2480	3290	e2200	4870	5860	3660	5130	8250	12300	4360	1340
4	1580	2880	2990	e1800	4650	5190	3440	4800	7680	12600	4540	1310
5	1560	2770	2930	e1300	4160	4010	3230	4590	7570	11000	3870	1280
6	1680	3880	2640	e1400	3820	3930	3000	4380	7550	7310	4400	1270
7	2420	4650	3580	e1700	3390	7260	2960	4420	6720	6030	4760	1280
8	2800	4130	6930	e2300	e3000	25600	3560	4200	5770	5040	4440	1330
9	2940	3820	7580	e2400	e2700	29500	4380	4320	6690	4320	4410	1340
10	2970	4200	7220	e2500	e2600	24200	7690	4100	8570	3740	6660	1270
11	2830	4880	6630	e2700	e2500	19500	22000	4350	9940	3570	7570	1260
12	2850	4670	6550	2820	e2400	17400	23500	4150	10900	3430	7810	1290
13	2210	4780	5600	3460	e2300	15900	22800	4510	10500	3230	7200	1240
14	1500	4850	5090	6230	e2500	14900	18800	9590	9340	2980	7180	1180
15	1330	4180	4650	8910	e3000	13500	14600	12000	7430	2860	7150	1130
16	1310	3930	4330	9100	3190	12000	11400	8510	5760	3710	6580	1100
17	1360	4070	4380	8480	3120	10700	8990	8700	4740	5990	4950	1090
18	1340	3830	4670	8040	3180	8900	8550	9130	4360	5870	3660	1160
19	1990	3560	5720	7460	3270	7370	9200	12600	3960	4230	3040	2920
20	2210	3930	5860	8900	3390	6640	8560	15100	3670	3550	3660	2320
21	2220	4210	5360	17300	3790	5580	8520	13100	3310	3310	4270	2470
22	2170	3600	5320	20400	3310	5290	8910	10400	3430	2850	4580	2220
23	2240	3220	4580	17800	3590	5290	8620	10600	3450	2910	4310	1830
24	2090	3180	4320	14800	3460	5060	8210	15700	3580	3080	3110	1960
25	2030	2980	3900	11900	3480	4570	7090	23900	3190	3930	2490	1640
26	2230	3200	3580	9240	3130	4410	8020	23300	3620	4770	2060	1570
27	2260	3030	3310	8250	3300	4310	7090	19100	7040	4150	1820	1400
28	2080	3940	3200	6890	3400	4070	6800	18700	e9000	3560	1510	1350
29	1990	4230	3090	5880	---	4310	6690	20000	e14000	3510	1980	1440
30	3060	3900	3090	5390	---	3990	5830	16200	e19900	3640	1770	1380
31	2760	---	2810	4870	---	4020	---	13200	---	2920	1580	---
TOTAL	64500	112310	140270	210340	95310	291910	263540	319370	218730	170790	130950	45110
MEAN	2081	3744	4525	6785	3404	9416	8785	10300	7291	5509	4224	1504
MAX	3060	4880	7580	20400	4980	29500	23500	23900	19900	16600	7810	2920
MIN	1310	2480	2640	1300	2300	3930	2960	4100	3190	2850	1510	1090
CFSM	.29	.52	.62	.93	.47	1.30	1.21	1.42	1.00	.76	.58	.21
IN.	.33	.57	.72	1.08	.49	1.49	1.35	1.63	1.12	.87	.67	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

MEAN	3009	4333	6775	8532	9513	11800	11740	8179	6305	4070	2695	2668
MAX	14750	19910	25250	42040	28000	33560	28000	37290	31830	14820	12090	20120
(WY)	1927	1993	1928	1950	1959	1982	1957	1943	1958	1957	1990	1926
MIN	652	828	747	735	1232	1663	3135	1460	1029	655	484	435
(WY)	1964	1965	1964	1977	1964	1941	1941	1934	1934	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1924 - 1995	
ANNUAL TOTAL	2168370		2063130			
ANNUAL MEAN	5941		5652		6617	
HIGHEST ANNUAL MEAN					12340	1950
LOWEST ANNUAL MEAN					1631	1941
HIGHEST DAILY MEAN	63500	Apr 13	29500	Mar 9	129000	May 19 1943
LOWEST DAILY MEAN	1240	Sep 21	1090	Sep 17	399	Sep 26 1941
ANNUAL SEVEN-DAY MINIMUM	1350	Sep 16	1170	Sep 12	404	Sep 21 1941
INSTANTANEOUS PEAK FLOW			30800	Mar 8	131000	May 19 1943
INSTANTANEOUS PEAK STAGE			16.27	Mar 8	28.47	May 19 1943
ANNUAL RUNOFF (CFSM)	.82		.78		.91	
ANNUAL RUNOFF (INCHES)	11.10		10.56		12.37	
10 PERCENT EXCEEDS	11600		11900		15800	
50 PERCENT EXCEEDS	4100		4070		3610	
90 PERCENT EXCEEDS	1820		1580		1140	

e Estimated

03335690 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 mi².
PERIOD OF RECORD.--June 1971 to current year.
REVISED RECORDS.--WDR IN-80-1: 1971-79 (P).
GAGE.--Water-stage recorder. Datum of gage is 718.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	20	27	21	e21	10	18	32	47	e250	3.0	e1.0
2	.58	20	25	20	e21	9.7	17	30	e44	e150	2.8	e.96
3	.61	16	22	19	e21	10	17	26	e40	e90	7.4	e.92
4	.60	39	20	e19	e20	10	16	25	e37	e56	12	e.90
5	.61	62	19	e18	e20	12	15	24	e34	e45	6.3	e.86
6	.73	71	19	e17	e18	12	16	22	e33	e34	5.0	e.82
7	.80	41	240	e16	e18	485	14	21	e31	e26	4.5	e1.0
8	.85	33	131	e16	e17	273	79	21	e29	e20	4.1	e1.3
9	4.7	40	100	e15	e16	126	66	22	e28	e16	3.7	e1.2
10	3.8	88	83	e15	e15	100	157	22	e460	e14	3.4	e1.2
11	2.1	55	59	e14	e14	89	141	22	e250	e11	2.9	e1.1
12	1.8	42	47	e17	e13	76	293	21	e170	e9.4	2.6	e1.0
13	1.8	34	40	279	e13	65	120	76	e90	e9.0	2.2	e.96
14	1.8	34	35	338	e12	57	81	459	e50	e8.4	2.0	e.92
15	1.5	36	33	186	e12	49	65	e170	e32	e8.0	1.8	e.84
16	.78	32	34	115	e11	41	55	e72	e27	e17	1.8	e.86
17	.61	29	49	85	e11	35	48	e64	e25	e9.0	1.8	e.84
18	.61	25	42	67	e10	31	83	e60	e23	6.2	1.8	e.80
19	.68	20	36	97	e10	29	69	e600	e21	5.5	3.8	e.78
20	1.6	20	34	112	13	28	79	e200	e20	5.4	12	e.82
21	1.8	25	30	72	12	22	639	e100	e19	5.9	3.4	e.84
22	1.9	19	29	53	11	20	162	e56	e18	5.2	2.1	e.86
23	2.5	19	28	42	12	21	98	e45	e18	5.3	1.7	e.88
24	3.0	19	26	e32	11	19	70	e690	e17	6.5	e1.5	e.86
25	3.4	18	25	e30	11	18	54	271	e29	4.8	e1.4	e.84
26	4.4	17	23	e28	11	18	46	130	e52	4.3	e1.2	e.86
27	5.1	32	23	e27	11	21	39	95	e80	4.9	e1.1	e.80
28	6.0	72	22	e25	11	22	33	319	e110	6.8	e1.0	e.76
29	6.4	44	21	e23	---	21	30	116	e240	4.5	e1.0	e.70
30	5.7	32	20	e22	---	20	31	72	e520	3.5	e1.1	e.70
31	6.4	---	20	e22	---	18	---	55	---	3.0	e1.1	---
TOTAL	73.74	1054	1362	1862	396	1767.7	2651	3938	2594	844.6	101.5	27.18
MEAN	2.38	35.1	43.9	60.1	14.1	57.0	88.4	127	86.5	27.2	3.27	.91
MAX	6.4	88	240	338	21	485	639	690	520	250	12	1.3
MIN	.58	16	19	14	10	9.7	14	21	17	3.0	1.0	.70
CFSM	.06	.89	1.12	1.52	.36	1.45	2.24	3.22	2.19	.69	.08	.02
IN.	.07	1.00	1.29	1.76	.37	1.67	2.50	3.72	2.45	.80	.10	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

MEAN	18.0	34.3	50.0	40.8	57.3	74.9	73.3	60.4	48.5	25.0	16.0	18.7
MAX	113	169	154	164	158	237	267	159	145	147	122	134
(WY)	1994	1986	1991	1993	1990	1979	1994	1981	1980	1993	1981	1993
MIN	.89	.79	.98	.47	3.41	6.54	17.2	8.49	2.85	.65	.79	.40
(WY)	1981	1981	1977	1977	1977	1981	1977	1976	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1972 - 1995	
ANNUAL TOTAL	16190.32		16671.72			
ANNUAL MEAN	44.4		45.7		43.0	
HIGHEST ANNUAL MEAN					93.0	1993
LOWEST ANNUAL MEAN					16.2	1977
HIGHEST DAILY MEAN	4550	Apr 12	e690	May 24	4550	Apr 12 1994
LOWEST DAILY MEAN	.58	Oct 1	.58	Oct 1	.10	Sep 18 1988
ANNUAL SEVEN-DAY MINIMUM	.62	Sep 30	.64	Oct 1	.24	Sep 9 1983
INSTANTANEOUS PEAK FLOW			1100	Apr 21	12100	Apr 12 1994
INSTANTANEOUS PEAK STAGE			9.26	Apr 21	16.98	Apr 12 1994
ANNUAL RUNOFF (CFSM)	1.13		1.16		1.09	
ANNUAL RUNOFF (INCHES)	15.29		15.74		14.82	
10 PERCENT EXCEEDS	70		99		99	
50 PERCENT EXCEEDS	17		20		17	
90 PERCENT EXCEEDS	1.5		1.0		1.0	

e Estimated

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.--8,210 mi².
PERIOD OF RECORD.--October 1939 to current year. 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.
REVISED RECORDS.--WDR IN-73-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 473.97 ft above sea level. Prior to Oct. 1, 1979, nonrecording gage on old bridge.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by upstream reservoirs.
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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1850	2850	3880	3130	5210	3440	4260	6090	15100	18600	3000	1760
2	1690	2810	3660	3080	5140	4040	4110	5890	11400	16200	2790	1660
3	1620	2810	3280	2870	5150	4910	3780	5550	9600	13900	3040	1540
4	1720	2740	3100	2110	5050	5660	3830	5320	9460	12800	4840	1550
5	1760	3090	2910	e1600	4750	5000	3630	5090	8560	13000	4640	1540
6	1820	3320	2820	e1700	4070	4090	3410	4830	8630	10100	4320	1480
7	1950	4650	2910	e2200	e4000	6190	3240	4640	8240	7400	4700	1430
8	2540	4810	5620	e2700	e3500	18100	3290	4570	7170	6280	4900	1450
9	2880	4350	8150	e3000	e3100	25700	4070	4360	6350	5340	4530	1620
10	2970	4250	8100	e3100	e3000	29000	5250	4480	8360	4850	5170	1660
11	2920	4940	7510	e3300	e2990	28000	13800	4550	9700	4250	7030	1600
12	2830	5230	6810	e3500	e2890	23700	22700	4970	11300	3980	7900	1590
13	2820	4840	6660	3490	e2800	19900	24600	4950	11600	3760	7800	1560
14	2320	5030	5630	5690	e2900	17400	24500	6410	10800	3550	7380	1400
15	1820	4800	5040	9120	e3600	15900	20800	14400	9220	3280	7310	1330
16	1650	4090	4610	10700	e4000	14100	15600	13700	7650	3200	7250	1300
17	1640	3920	4510	9940	e4200	12600	12100	13700	5950	3990	6410	1250
18	1650	3950	4700	9120	e4100	11200	10600	15900	5200	6460	4720	1250
19	1660	3680	5200	8460	e4200	9010	10700	18700	4830	5820	3650	1420
20	2160	3490	6230	8760	3460	7870	10900	21200	4360	4330	3080	2420
21	2320	3970	5740	12900	3530	6750	10900	20500	4030	3630	e3700	2140
22	2330	4010	5540	19400	3720	5860	11500	16200	3620	3350	e4400	2290
23	2270	3440	5150	20000	3380	5760	10700	12500	3660	3060	4610	2060
24	2380	3050	4490	17300	3610	5600	10200	15600	3650	3070	4170	1930
25	2240	2990	4150	14600	3510	5300	9290	22400	3730	3260	3010	1890
26	2230	2980	3760	11100	3440	4820	8340	25800	3580	4330	2550	1710
27	2440	3030	3540	9590	3220	4730	9010	26700	4420	4930	2220	1620
28	2350	3250	3470	8220	3350	4670	7640	25900	9230	4410	2020	1500
29	2240	4440	3270	6990	---	4440	7430	25600	16800	3750	1870	1460
30	2180	4340	3150	6080	---	4540	7050	24200	18600	3690	2120	1480
31	3110	---	3150	5620	---	4270	---	19800	---	3640	1960	---
TOTAL	68360	115150	146740	229370	105870	322550	297230	404500	244800	192210	137090	48890
MEAN	2205	3838	4734	7399	3781	10400	9908	13050	8160	6200	4422	1630
MAX	3110	5230	8150	20000	5210	29000	24600	26700	18600	18600	7900	2420
MIN	1620	2740	2820	1600	2800	3440	3240	4360	3580	3060	1870	1250
CFSM	.27	.47	.58	.90	.46	1.27	1.21	1.59	.99	.75	.54	.20
IN.	.31	.52	.66	1.04	.48	1.46	1.35	1.83	1.11	.87	.62	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

MEAN	3432	4964	7343	9167	10810	13220	13380	9783	7869	5165	3372	2961
MAX	14370	23930	22080	49700	34450	34840	28470	43540	36010	17990	12230	11960
(WY)	1991	1993	1968	1950	1959	1982	1957	1943	1958	1993	1990	1989
MIN	738	919	810	896	1357	1915	3536	1814	1542	1212	640	545
(WY)	1965	1965	1964	1977	1963	1941	1941	1941	1988	1988	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	2562660		2312760			
ANNUAL MEAN	7021		6336		7601	
HIGHEST ANNUAL MEAN					14980	1950
LOWEST ANNUAL MEAN					1862	1941
HIGHEST DAILY MEAN	76000	Apr 14	29000	Mar 10	143000	May 20 1943
LOWEST DAILY MEAN	1430	Sep 21	1250	Sep 17	487	Sep 29 1941
ANNUAL SEVEN-DAY MINIMUM	1490	Sep 16	1360	Sep 13	497	Sep 24 1941
INSTANTANEOUS PEAK FLOW			29400	Mar 10	147000	May 20 1943
INSTANTANEOUS PEAK STAGE			19.64	Mar 10	32.44	May 20 1943
ANNUAL RUNOFF (CFSM)	.85		.77		.92	
ANNUAL RUNOFF (INCHES)	11.60		10.47		12.57	
10 PERCENT EXCEEDS	13300		14200		18200	
50 PERCENT EXCEEDS	4850		4340		4430	
90 PERCENT EXCEEDS	1990		1840		1440	

e Estimated

03339280 PRAIRIE CREEK NEAR LEBANON, IN

LOCATION.--Lat 40°06'16", long 86°31'32", in NW¼SW¼ sec.10, T.19 N., R.1 W., Boone County, Hydrologic Unit 05120110, on right bank 50 ft upstream from bridge on County Road 450 North, 4.0 mi upstream from Deer Creek, 4.9 mi northwest of Lebanon, and 7.7 mi upstream from mouth.
DRAINAGE AREA.--33.2 mi^2.
PERIOD OF RECORD.--October 1987 to current year.
GAGE.--Water-stage recorder. Datum of gage is 860.00 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	4.2	10	9.3	e9.5	15	16	17	22	12	2.9	1.7
2	2.5	3.4	8.7	8.8	e12	11	15	16	21	10	2.6	1.6
3	2.2	2.8	7.8	e5.4	e14	10	15	14	18	9.6	2.8	1.5
4	1.9	5.6	6.6	e3.9	e13	9.5	14	17	16	9.2	2.8	1.3
5	1.9	12	7.0	e3.0	e12	20	12	15	15	8.6	6.1	1.7
6	1.8	24	6.5	e3.2	e11	40	14	14	15	7.2	4.4	1.7
7	1.7	6.9	12	e3.6	e9.2	483	13	16	14	6.6	5.8	1.9
8	2.1	4.1	9.5	e4.3	e8.0	406	13	13	12	6.1	5.2	12
9	10	13	13	e5.4	e7.0	158	17	17	11	6.3	4.7	2.9
10	3.0	27	17	e7.0	e6.2	101	15	15	75	6.1	6.5	2.1
11	3.2	12	14	15	e5.6	78	14	14	58	5.5	2.8	2.1
12	2.8	7.4	11	14	e5.0	62	32	12	32	5.0	2.5	2.3
13	2.8	5.7	11	14	e4.7	49	22	15	22	4.3	2.4	5.7
14	2.5	6.1	9.8	29	e4.5	38	17	80	17	3.6	2.2	7.8
15	2.7	6.4	9.4	35	e4.9	33	15	50	14	3.4	1.9	2.1
16	2.6	4.8	18	22	e5.2	28	15	32	12	9.2	2.8	1.9
17	2.7	4.6	47	16	e5.6	24	16	219	11	4.7	1.8	1.9
18	2.7	4.5	28	16	e6.2	21	67	580	10	3.4	1.8	2.1
19	3.0	4.2	18	30	e6.8	20	55	559	10	3.0	2.2	1.9
20	3.4	5.2	15	76	e7.6	22	40	171	9.9	3.6	3.5	2.2
21	2.8	9.0	12	55	8.0	19	50	97	14	3.2	2.2	2.6
22	2.9	4.5	11	31	6.9	19	41	66	16	3.4	2.1	2.6
23	2.9	4.2	11	e21	7.1	22	32	51	9.5	14	2.2	2.1
24	3.0	3.9	9.8	e17	6.9	16	39	44	25	8.7	2.2	2.2
25	4.6	3.9	8.9	e15	6.4	14	33	43	20	5.7	2.1	2.0
26	2.8	4.1	8.2	e14	6.9	14	29	34	18	4.7	2.2	2.0
27	2.8	11	8.4	e13	8.1	23	25	30	25	3.6	2.1	2.1
28	2.6	68	8.1	e12	17	27	21	60	23	2.7	1.9	3.2
29	2.7	29	7.8	e11	---	21	19	38	17	2.6	1.7	4.5
30	3.0	15	6.7	e10	---	19	20	29	15	2.2	2.2	3.5
31	3.1	---	8.6	e9.8	---	18	---	24	---	2.0	1.9	---
TOTAL	91.4	316.5	379.8	529.7	225.3	1840.5	746	2402	597.4	180.2	90.5	85.2
MEAN	2.95	10.5	12.3	17.1	8.05	59.4	24.9	77.5	19.9	5.81	2.92	2.84
MAX	10	68	47	76	17	483	67	580	75	14	6.5	12
MIN	1.7	2.8	6.5	3.0	4.5	9.5	12	12	9.5	2.0	1.7	1.3
CFSM	.09	.32	.37	.51	.24	1.79	.75	2.33	.60	.18	.09	.09
IN.	.10	.35	.43	.59	.25	2.06	.84	2.69	.67	.20	.10	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	11.9	56.5	35.4	42.3	41.1	58.0	64.2	45.8	28.7	35.7	9.74	29.7
MAX	25.8	205	158	129	139	109	96.7	86.3	80.0	95.6	34.8	139
(WY)	1993	1993	1991	1993	1990	1990	1989	1989	1990	1989	1989	1989
MIN	2.95	6.68	6.03	11.0	8.05	19.2	24.9	6.45	4.34	3.08	2.45	2.22
(WY)	1995	1988	1989	1989	1995	1994	1995	1988	1988	1991	1988	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	8757.5		7484.5			
ANNUAL MEAN	24.0		20.5		38.2	
HIGHEST ANNUAL MEAN					63.0	1993
LOWEST ANNUAL MEAN					19.3	1988
HIGHEST DAILY MEAN	748	Apr 12	580	May 18	1900	Dec 30 1990
LOWEST DAILY MEAN	1.7	Oct 7	1.3	Sep 4	.71	Oct 10 1991
ANNUAL SEVEN-DAY MINIMUM	2.0	Oct 2	1.6	Aug 31	.93	Oct 7 1991
INSTANTANEOUS PEAK FLOW			1700	May 18	2710	Mar 11 1990
INSTANTANEOUS PEAK STAGE			11.40	May 18	13.99	Mar 11 1990
ANNUAL RUNOFF (CFSM)	.72		.62		1.15	
ANNUAL RUNOFF (INCHES)	9.81		8.39		15.62	
10 PERCENT EXCEEDS	37		33		72	
50 PERCENT EXCEEDS	12		9.5		14	
90 PERCENT EXCEEDS	2.9		2.2		3.0	

e Estimated

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 05120110, on left bank 327 ft upstream from Crawfordsville Electric Light and Power Co.'s dam at Crawfordsville, 700 ft 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 mi².
PERIOD OF RECORD.--June 1938 to current year.
REVISED RECORDS.--WSP 973: 1939(M). WSP 1275: Drainage area. WSP 1335: 1949.
GAGE.--Water-stage recorder. Datum of gage is 657.77 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	47	156	128	184	140	238	250	433	497	33	15
2	36	53	136	104	204	139	224	233	382	327	34	17
3	35	46	125	e82	214	121	211	214	348	250	50	18
4	33	49	116	e72	e160	118	202	211	307	211	40	17
5	33	64	114	e68	e120	130	181	209	273	187	39	14
6	33	369	110	e67	e110	160	174	188	264	167	40	14
7	33	344	158	e70	e104	3520	175	179	252	143	43	14
8	31	196	252	e74	e100	7010	183	175	226	125	42	36
9	36	165	247	e78	e96	3150	226	183	204	113	42	35
10	47	602	296	e84	e92	1510	372	198	603	135	110	35
11	44	552	307	e100	e90	1160	387	203	777	117	84	25
12	38	320	239	148	e88	852	526	180	457	97	51	20
13	38	226	198	176	e86	694	632	175	318	84	40	19
14	36	187	173	234	e84	456	424	528	260	75	34	20
15	37	173	159	437	e90	390	329	858	218	68	31	19
16	35	157	160	380	e94	400	294	502	189	64	29	21
17	32	143	414	280	e100	379	278	1620	171	78	24	17
18	35	136	546	244	109	339	528	2580	159	62	20	15
19	43	119	370	322	109	319	1080	6330	153	52	16	14
20	54	109	291	959	111	319	712	3160	150	48	26	15
21	46	127	244	1220	114	291	736	1700	150	49	15	16
22	43	148	208	711	102	259	656	1140	152	49	9.2	18
23	39	128	188	442	99	274	510	830	147	67	20	17
24	38	117	176	298	94	254	486	821	136	74	20	17
25	39	109	161	212	93	227	446	1150	232	93	20	17
26	39	101	149	e180	88	214	384	881	245	80	21	17
27	38	105	140	e160	93	243	358	666	449	56	20	16
28	37	185	134	e150	114	358	311	1310	1630	49	19	16
29	36	289	131	e142	---	321	269	1050	1300	43	14	15
30	37	208	120	e140	---	283	263	679	799	38	10	15
31	38	---	119	e160	---	257	---	512	---	35	9.4	---
TOTAL	1177	5574	6337	7922	3142	24287	11795	28915	11384	3533	1005.6	564
MEAN	38.0	186	204	256	112	783	393	933	379	114	32.4	18.8
MAX	54	602	546	1220	214	7010	1080	6330	1630	497	110	36
MIN	31	46	110	67	84	118	174	175	136	35	9.2	14
CFSM	.07	.37	.40	.50	.22	1.54	.77	1.83	.75	.22	.06	.04
IN.	.09	.41	.46	.58	.23	1.78	.86	2.11	.83	.26	.07	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	155	366	507	631	719	892	881	636	544	318	171	167
MAX	1098	3060	2084	4163	2229	2390	2592	3297	2648	1325	1801	1991
(WY)	1978	1993	1991	1950	1985	1978	1964	1943	1957	1993	1958	1989
MIN	13.1	25.1	17.0	17.1	68.4	79.2	148	74.9	32.5	16.6	8.42	4.80
(WY)	1964	1941	1964	1977	1964	1941	1976	1941	1988	1988	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939 - 1995	
ANNUAL TOTAL	128821		105635.6			
ANNUAL MEAN	353		289		497	
HIGHEST ANNUAL MEAN					1086	1950
LOWEST ANNUAL MEAN					65.0	1941
HIGHEST DAILY MEAN	7900	Apr 12	7010	Mar 8	20100	Jun 29 1957
LOWEST DAILY MEAN	26	Sep 22	9.2	Aug 22	2.4	Sep 24 1941
ANNUAL SEVEN-DAY MINIMUM	27	Sep 16	14	Aug 29	2.7	Sep 21 1941
INSTANTANEOUS PEAK FLOW			7670	Mar 7	26300	Jun 28 1957
INSTANTANEOUS PEAK STAGE			6.36	Mar 7	14.48	Jun 28 1957
ANNUAL RUNOFF (CFSM)	.69		.57		.98	
ANNUAL RUNOFF (INCHES)	9.41		7.72		13.27	
10 PERCENT EXCEEDS	643		572		1160	
50 PERCENT EXCEEDS	168		142		180	
90 PERCENT EXCEEDS	39		20		29	

e Estimated

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 left bank 20 ft upstream from bridge on U.S. Highway 36 at Montezuma, 2.0 mi upstream from Big Raccoon Creek, 4.9 mi downstream from Sugar Creek, and at mile 240.0.
DRAINAGE AREA.--11,118 mi².
PERIOD OF RECORD.--October 1927 to current year. July 1924 to September 1927 (gage height only) in reports of State of Indiana, Department of Natural Resources.
REVISED RECORDS.--WSP 1335: 1929, 1931(M). WSP 1505: 1954. WSP 1915: 1954(m). WSP 2109: Drainage area. WDR IN-74-1: 1973.
GAGE.--Water-stage recorder. Datum of gage is 457.75 ft above sea level (levels by U.S. Army Corps of Engineers). Oct. 1, 1927, to July 12, 1950, nonrecording gage on downstream side of bridge and at same datum. July 12, 1950, to July 27, 1988, recording gage in downstream side of first pier from left bank at same datum.
REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by upstream reservoirs.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of 34.0 ft, from floodmarks, discharge, 230,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2370	3350	5260	3830	6970	4060	5990	8690	23600	20100	3530	2010
2	2230	3060	4660	3870	6670	4280	5800	7960	18400	18600	3680	1860
3	2060	2990	4290	3530	6600	4940	5500	7620	14600	16100	3530	1750
4	1960	3130	3930	2720	6410	6000	5220	7280	13100	14400	4010	1670
5	1960	3300	3710	1690	5950	6050	5120	6930	12100	14000	4980	1620
6	1980	3960	3550	1880	5040	5240	4800	6610	11400	12900	4580	1590
7	2030	5160	3560	2390	4500	12000	4550	6210	11000	9780	4860	1510
8	2270	6030	5480	3030	e3650	30900	4470	6090	10200	7910	5670	1520
9	2940	5460	10100	3220	e3420	33600	4880	6110	9050	6790	6110	1560
10	3150	5530	10800	3440	3370	32900	6060	6290	9870	5950	7130	1620
11	3250	6350	10000	3610	e3280	32400	9770	7450	13600	5500	8230	1610
12	3170	6860	8960	4020	e3100	30700	19700	8120	14200	4920	8550	1530
13	3080	6250	8190	4630	e3050	26900	23400	7940	14100	4570	8480	1510
14	2920	5880	7330	6530	e3000	23000	24600	7820	13400	4390	7790	1590
15	2350	5890	6490	12800	4090	20200	23400	14500	12300	4120	7430	1540
16	1970	5390	5910	15200	4490	18100	19500	18200	10400	3830	7360	1470
17	1810	4860	5900	14200	4720	16100	15600	21300	8800	3900	7020	1390
18	1810	4800	6600	12300	4530	14600	13400	28700	7400	5200	5970	1330
19	1840	4580	7020	11500	4620	12700	14300	36600	6770	6420	4540	1270
20	1940	4330	7420	12300	4590	10700	15400	38600	6180	5280	4330	1930
21	2370	4470	7490	15600	4190	9710	14900	35300	6000	4350	4100	2480
22	2460	4890	6870	20000	4410	8460	16400	29100	5590	3930	4690	2220
23	2430	4630	6650	21100	4250	7950	15200	22100	5250	3730	4810	2260
24	2390	4180	5930	19600	4130	7930	13700	19100	5270	3710	4610	1930
25	2490	3820	5400	16800	4200	7600	12700	25000	5320	3690	3900	1960
26	2350	3620	4920	14000	4120	6950	11300	28900	5730	3940	3090	1780
27	2400	3830	4580	11400	3960	6580	11000	31500	5800	4790	2680	1660
28	2610	3920	4290	10800	3970	6610	10500	33700	9490	4780	2370	1550
29	2460	5280	4230	9040	---	6690	9620	35800	16200	4190	2130	1430
30	2340	5980	4020	7660	---	6620	9330	33700	19700	3790	2120	1390
31	2550	---	3910	7060	---	6280	---	29500	---	3890	2250	---
TOTAL	73940	141780	187450	279750	125280	426750	356110	582720	324820	219450	154530	50540
MEAN	2385	4726	6047	9024	4474	13770	11870	18800	10830	7079	4985	1685
MAX	3250	6860	10800	21100	6970	33600	24600	38600	23600	20100	8550	2480
MIN	1810	2990	3550	1690	3000	4060	4470	6090	5250	3690	2120	1270
CFSM	.21	.43	.54	.81	.40	1.24	1.07	1.69	.97	.64	.45	.15
IN.	.25	.47	.63	.94	.42	1.43	1.19	1.95	1.09	.73	.52	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	4253	6297	9571	12730	14170	17180	17720	13610	10130	7119	4325	3637
MAX	16990	36840	40350	66690	40610	49690	37650	58400	42730	25110	18840	17800
(WY)	1991	1993	1928	1950	1959	1982	1938	1943	1958	1993	1958	1989
MIN	973	1202	1041	1107	1789	2370	4941	2082	1357	1210	815	710
(WY)	1964	1965	1964	1977	1931	1941	1931	1934	1934	1934	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	3426330		2923120			
ANNUAL MEAN	9387		8009		10040	
HIGHEST ANNUAL MEAN					20290	1950
LOWEST ANNUAL MEAN					2506	1931
HIGHEST DAILY MEAN	99600	Apr 15	38600	May 20	182000	May 20 1943
LOWEST DAILY MEAN	1690	Sep 22	1270	Sep 19	571	Sep 24 1941
ANNUAL SEVEN-DAY MINIMUM	1790	Sep 17	1440	Sep 13	600	Sep 23 1941
INSTANTANEOUS PEAK FLOW			39300	May 19	184000	May 20 1943
INSTANTANEOUS PEAK STAGE			20.40	May 19	32.83	May 20 1943
ANNUAL RUNOFF (CFSM)	.84		.72		.90	
ANNUAL RUNOFF (INCHES)	11.46		9.78		12.27	
10 PERCENT EXCEEDS	17900		18300		24600	
50 PERCENT EXCEEDS	6080		5390		5660	
90 PERCENT EXCEEDS	2360		2000		1690	

e Estimated

03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN

LOCATION.--Lat 39°48'45", long 86°57'14", in NW1/4SW1/4 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^2.
PERIOD OF RECORD.--August 1957 to current year. Prior to October 1963, published as Raccoon Creek near Fincastle.
REVISED RECORDS.--WSP 1909: 1958. WSP 2109: Drainage area. WDR IN-79-1: 1978.
GAGE.--Water-stage recorder. Datum of gage is 686.03 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.10 ft discharge, 39,900 ft^3/s, from slope-area measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	e7.0	37	e20	42	43	74	60	94	153	6.8	2.3
2	4.7	e7.6	29	e18	55	40	70	57	87	96	6.6	2.3
3	4.5	e6.6	25	e15	70	34	65	52	80	70	6.1	2.3
4	4.5	e7.0	22	e13	67	33	62	51	70	59	6.8	2.3
5	4.7	e9.2	21	e14	e55	37	54	51	62	51	7.7	2.3
6	4.7	31	19	e14	e46	72	53	46	61	42	7.9	2.3
7	e4.6	17	21	e15	e40	1360	53	42	58	34	8.8	2.4
8	e4.4	17	21	e16	e36	1950	51	41	51	29	8.9	30
9	e5.0	17	27	e16	e35	498	51	44	46	25	8.1	9.1
10	e6.4	30	34	17	e33	341	48	48	64	25	7.2	4.8
11	e6.2	35	44	19	e31	268	45	48	110	26	6.5	3.1
12	e5.4	31	37	39	e29	219	52	42	72	22	6.2	2.5
13	e5.3	22	30	52	e28	180	51	44	55	19	6.0	2.5
14	e5.1	18	28	62	28	153	46	148	46	17	5.6	2.8
15	e5.2	16	25	95	32	134	43	181	40	15	4.9	2.6
16	e4.9	13	27	82	37	121	42	122	35	14	4.4	2.9
17	e4.5	13	71	63	31	109	47	891	31	16	4.4	3.1
18	e4.8	11	99	57	32	96	56	1120	28	15	5.9	3.0
19	e6.0	9.7	69	65	32	90	93	2310	27	12	4.3	2.7
20	e7.8	9.3	53	138	29	89	81	574	25	11	5.0	2.7
21	e6.6	13	46	162	30	84	99	342	30	11	4.1	2.9
22	e6.2	13	40	110	27	71	93	240	36	10	3.8	3.5
23	e5.6	12	36	82	27	83	80	190	33	11	3.4	3.8
24	e5.4	14	34	77	27	81	103	164	64	13	2.9	3.8
25	e5.6	13	31	e64	24	71	114	160	69	16	2.7	3.4
26	e5.6	12	29	e56	23	65	96	144	64	18	2.6	3.4
27	e5.4	14	27	e49	26	79	88	126	117	15	2.5	3.4
28	e5.3	50	26	e46	35	111	75	160	311	11	2.3	3.5
29	e5.2	95	24	e44	---	102	65	167	203	9.2	2.3	3.6
30	e5.3	56	23	e42	---	89	63	126	257	8.0	2.3	3.5
31	e5.4	---	22	40	---	80	---	105	---	7.3	2.2	---
TOTAL	164.8	619.4	1077	1602	1007	6783	2013	7896	2326	880.5	159.2	122.8
MEAN	5.32	20.6	34.7	51.7	36.0	219	67.1	255	77.5	28.4	5.14	4.09
MAX	7.8	95	99	162	70	1950	114	2310	311	153	8.9	30
MIN	4.4	6.6	19	13	23	33	42	41	25	7.3	2.2	2.3
CFSM	.04	.15	.25	.37	.26	1.57	.48	1.83	.56	.20	.04	.03
IN.	.04	.17	.29	.43	.27	1.82	.54	2.11	.62	.24	.04	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	52.6	142	200	167	202	264	227	169	111	95.4	50.7	44.4
MAX	312	844	913	616	694	683	730	540	496	430	268	545
(WY)	1970	1993	1991	1974	1985	1978	1964	1974	1974	1979	1979	1989
MIN	3.13	5.89	4.93	4.69	26.2	28.6	43.5	19.5	11.1	4.83	2.75	1.72
(WY)	1967	1964	1964	1977	1964	1981	1976	1976	1988	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1958 - 1995	
ANNUAL TOTAL	29886.4		24650.7			
ANNUAL MEAN	81.9		67.5		143	
HIGHEST ANNUAL MEAN					292	1974
LOWEST ANNUAL MEAN					38.5	1966
HIGHEST DAILY MEAN	1830	Apr 12	2310	May 19	12200	Dec 30 1990
LOWEST DAILY MEAN	4.0	Sep 19	2.2	Aug 31	1.0	Oct 11 1988
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 16	2.3	Aug 28	1.1	Oct 6 1988
INSTANTANEOUS PEAK FLOW			3300	Mar 8	16000	Dec 30 1990
INSTANTANEOUS PEAK STAGE			11.09	Mar 8	16.10	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.59		.49		1.03	
ANNUAL RUNOFF (INCHES)	8.00		6.60		14.01	
10 PERCENT EXCEEDS	154		110		298	
50 PERCENT EXCEEDS	44		30		54	
90 PERCENT EXCEEDS	5.1		3.8		7.3	

e Estimated

03340900 BIG RACCOON CREEK AT FERNDALE, IN

LOCATION.--Lat 39°42'40", long 87°04'15", in SE¹/₄SE¹/₄ sec.28, T.15 N., R.6 W., Parke County, Hydrologic Unit 05120108, on right bank at upstream side of bridge on New Discovery Road, 0.5 mi downstream from Cecil M. Harden Lake, 3.7 mi upstream from Rocky Fork Creek, and at mile 33.3.

DRAINAGE AREA.--222 mi².

PERIOD OF RECORD.--October 1956 to current year. Prior to October 1963, published as Raccoon Creek at Ferndale.

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-94-1: 1992; 1993: Average discharge.

GAGE.--Water-stage recorder. Datum of gage is 590.00 ft above sea level (U.S. Army Corps of Engineers benchmark). Prior to Oct. 1, 1974, water-stage recorder at site 1.7 mi downstream and at datum 7.64 ft lower.

REMARKS.--Flow regulated by Cecil M. Harden Lake since December 1960.

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

AVERAGE DISCHARGE.--39 years, 231 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,500 ft³/s June 28, 1957, gage height 19.87 ft, from rating curve extended above 5,000 ft³/s on basis of records for station at Big Raccoon Creek at Mansfield; minimum daily, 2.7 ft³/s Oct. 11, 1956; no flow, Aug. 23, 24, 1977, July 26, 1986, Mar. 11, 12, 18, 19, 1987, due to regulation.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,010 ft³/s, May 24; minimum daily 15 ft³/s, Apr. 3-9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	440	57	25	107	26	30	16	140	327	17	17
2	28	437	53	26	56	27	23	16	111	326	17	17
3	28	435	53	26	26	27	15	16	82	325	17	17
4	28	432	42	26	26	27	15	16	82	184	17	17
5	28	430	31	26	26	27	15	16	82	100	17	17
6	28	428	32	26	41	27	15	16	82	52	17	17
7	28	459	32	26	54	28	15	16	82	29	17	17
8	28	495	342	26	54	33	15	16	82	29	17	17
9	28	492	693	26	54	34	15	16	66	29	17	17
10	28	489	540	26	54	36	16	16	49	29	17	17
11	28	486	131	26	54	36	16	16	49	29	17	17
12	28	483	25	26	54	36	16	16	49	29	17	17
13	28	480	25	26	54	324	16	16	49	29	17	17
14	28	477	25	26	54	498	16	16	49	29	17	17
15	88	474	25	26	54	496	16	16	49	29	17	17
16	17	470	25	26	54	494	16	16	49	29	17	17
17	17	466	25	26	54	492	16	17	49	29	17	17
18	17	462	25	73	54	318	16	17	49	29	17	17
19	21	472	25	107	54	142	16	17	49	29	17	17
20	28	479	25	107	54	142	16	18	49	28	17	17
21	28	462	25	108	54	142	16	18	39	28	17	17
22	180	445	25	108	54	142	16	383	29	28	17	17
23	199	441	25	108	54	142	16	888	29	28	17	17
24	243	436	25	108	54	119	16	1010	29	28	17	17
25	457	443	25	108	54	95	16	805	29	28	17	17
26	455	449	25	108	54	95	16	669	39	28	17	17
27	546	444	25	108	54	95	16	667	49	23	17	17
28	542	440	25	108	40	96	16	664	117	17	17	17
29	447	435	25	107	---	96	16	662	166	17	17	17
30	444	243	25	107	---	96	16	659	247	17	17	17
31	442	---	25	107	---	55	---	299	---	17	17	---
TOTAL	4563	13524	2506	1913	1456	4443	494	7049	2121	1978	527	510
MEAN	147	451	80.8	61.7	52.0	143	16.5	227	70.7	63.8	17.0	17.0
MAX	546	495	693	108	107	498	30	1010	247	327	17	17
MIN	17	243	25	25	26	26	15	16	29	17	17	17

CAL YR 1994 TOTAL 58734 MEAN 161 MAX 1270 MIN 17
WTR YR 1995 TOTAL 41084 MEAN 113 MAX 1010 MIN 15

03341300 BIG RACCOON CREEK AT COXVILLE, IN

LOCATION.--Lat 39°39'09", long 87°17'37", in SW¹/₄SW¹/₄ 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 mi².
PERIOD OF RECORD.--October 1956 to September 1988 (discharge). October 1988 to September 1992 (gage height only). October 1992 to current year (discharge). Prior to October 1963, published as Raccoon Creek at Coxville.
REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973.
GAGE.--Water-stage recorder. Datum of gage is 494.00 ft above sea level (Indiana Flood Control and Water Resources Commission bench mark).
REMARKS.--Records good, except for estimated daily discharges, which are poor. Flow regulated by Cecil M. Harden Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	519	248	95	188	122	138	146	448	431	54	45
2	46	510	180	88	194	105	122	143	386	408	66	44
3	45	511	156	86	148	98	115	134	316	393	59	45
4	45	528	142	e82	137	96	111	131	281	376	58	44
5	45	563	121	e80	e110	106	105	131	256	200	62	44
6	45	639	107	e78	e100	126	102	123	239	170	57	44
7	45	569	105	e80	e110	2920	100	116	224	122	83	42
8	46	614	103	e80	e110	3760	98	111	214	106	99	57
9	53	639	666	e80	e110	1510	96	127	204	104	253	59
10	48	685	768	81	e110	1030	92	129	380	105	712	46
11	45	647	415	87	e110	720	90	129	347	91	219	44
12	44	628	172	116	e110	502	94	118	247	86	136	43
13	44	617	140	126	e110	436	90	139	201	83	106	43
14	44	615	126	137	e120	767	84	157	176	80	89	44
15	59	611	117	150	126	743	80	139	159	78	79	42
16	91	624	127	135	128	716	78	144	146	76	72	41
17	55	622	211	122	123	688	96	799	136	78	71	43
18	53	607	183	127	123	654	163	1740	129	73	70	41
19	56	597	161	238	121	337	179	3590	123	71	74	40
20	56	625	147	305	122	297	171	1330	119	69	68	40
21	68	649	138	269	124	279	223	875	124	70	66	41
22	104	626	130	240	120	265	189	667	138	69	62	41
23	167	603	125	225	119	291	171	1130	110	78	59	42
24	147	596	120	e200	117	270	249	1390	102	72	56	42
25	396	585	116	e190	114	225	229	1280	98	69	54	41
26	464	574	114	e170	113	206	196	942	94	66	52	40
27	489	606	111	e160	117	209	181	913	102	64	51	39
28	663	868	110	e170	139	209	165	1540	122	68	49	39
29	506	622	107	e180	---	198	152	1230	260	67	48	39
30	504	561	101	e180	---	193	150	1050	308	58	47	38
31	513	---	94	187	---	186	---	857	---	55	47	---
TOTAL	5034	18260	5661	4544	3473	18264	4109	21450	6189	3936	3078	1293
MEAN	162	609	183	147	124	589	137	692	206	127	99.3	43.1
MAX	663	868	768	305	194	3760	249	3590	448	431	712	59
MIN	44	510	94	78	100	96	78	111	94	55	47	38
CFSM	.36	1.36	.41	.33	.28	1.32	.31	1.54	.46	.28	.22	.10
IN.	.42	1.52	.47	.38	.29	1.52	.34	1.78	.51	.33	.26	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1995, BY WATER YEAR (WY)

MEAN	329	573	693	582	638	676	671	566	485	333	242	233
MAX	994	1684	2070	1572	1648	1493	1647	1518	3613	1001	1062	1542
(WY)	1990	1994	1968	1974	1969	1985	1957	1961	1957	1981	1958	1989
MIN	17.5	44.3	48.2	25.9	81.8	145	137	107	64.2	59.4	34.4	34.6
(WY)	1957	1957	1964	1977	1961	1981	1995	1976	1988	1988	1966	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1957 - 1995	
ANNUAL TOTAL	132536		95291			
ANNUAL MEAN	363		261		499	
HIGHEST ANNUAL MEAN					914	1974
LOWEST ANNUAL MEAN					160	1966
HIGHEST DAILY MEAN	4000	Jan 28	3760	Mar 8	51400	Jun 28 1957
LOWEST DAILY MEAN	44	Oct 12	38	Sep 30	6.5	Oct 10 1956
ANNUAL SEVEN-DAY MINIMUM	45	Oct 2	40	Sep 24	8.8	Oct 7 1956
INSTANTANEOUS PEAK FLOW			6230	Mar 7	108000	Jun 28 1957
INSTANTANEOUS PEAK STAGE			13.76	Mar 7	21.23	Jun 28 1957
ANNUAL RUNOFF (CFSM)	.81		.58		1.11	
ANNUAL RUNOFF (INCHES)	11.01		7.91		15.12	
10 PERCENT EXCEEDS	770		627		1170	
50 PERCENT EXCEEDS	212		123		269	
90 PERCENT EXCEEDS	51		46		70	

e Estimated

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, 3.0 mi upstream from Sugar Creek, and 3.6 mi downstream from Lost Creek and at mile 215.
DRAINAGE AREA.--12,263 mi².
PERIOD OF RECORD.--August 1902 to December 1903 (gage height only), February 1905 to July 1906, October 1927 to current year. Gage-height records collected at site 100 ft downstream June 1891 to June 1897 and since December 1904 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 205: 1905. WSP 1335: 1944. WDR IN-73-1: Drainage area. WDR IN-84-1: 1983. WDR IN-86-1: 1913 (Gage height).
GAGE.--Water-stage recorder. Datum of gage is 445.78 ft above sea level. Prior to Oct. 17, 1984, water-stage recorder at Wabash Avenue bridge 3,400 ft downstream at datum 2.88 ft lower. See WSP 1725 for history of changes prior to Oct. 27, 1928.
REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by upstream reservoirs.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of 31.1 ft, present site and datum, discharge, 245,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2550	3470	5880	4250	7440	4610	6660	9320	29800	20000	3970	2560
2	2410	3530	5140	4200	7220	4630	6450	8630	23200	19300	3730	2340
3	2240	3410	4750	4040	7060	5020	6220	8200	18000	17000	3830	2210
4	2100	3530	4380	3670	6920	5780	5890	7810	14900	15000	3870	2080
5	2100	3680	4150	2620	6560	6390	5760	7520	13400	13900	4750	2060
6	2220	4130	3970	2300	5930	6050	5510	7170	12100	13500	4880	2020
7	2550	4790	3930	2570	5160	10900	5260	6800	11600	11100	5350	1980
8	2910	5890	4260	3140	e4100	29600	5090	6510	11000	8690	5730	2010
9	3450	5860	7970	3540	e3850	34600	5110	6590	9920	7460	6810	1970
10	3950	5730	10400	3650	3890	35600	5830	6660	9350	6650	7540	2020
11	4070	6110	e9900	3870	e3950	35300	7440	7350	12500	6110	7880	2040
12	4110	6850	e8800	4160	e3750	34500	15600	8040	14100	5510	8400	1960
13	3990	6600	e8000	4790	e3540	31900	21900	8460	14300	5050	8410	1910
14	3890	6070	e7400	5370	e3480	27500	24100	8380	13800	4770	7980	1910
15	3420	6050	6870	10100	4290	23100	24200	11100	12700	4490	7450	1870
16	2800	5860	6300	14300	4840	20300	21500	17900	11100	4200	7310	1780
17	2490	5340	6190	14400	5080	17900	17600	19900	9460	4100	7180	1730
18	2240	5130	6560	12800	5070	15900	15400	27600	8030	4590	6540	1660
19	2160	5050	7070	11900	5040	14100	14600	33800	7150	6160	5450	1630
20	2060	4890	7210	12500	5140	12000	15800	38000	6650	5940	4670	1730
21	2260	4840	7600	14400	4870	10700	15700	38600	6450	4950	4450	2690
22	2520	5130	7150	18300	4780	9480	16400	36200	6330	4380	4610	2620
23	2570	5190	6840	20900	4860	8650	16200	29400	5880	4170	4910	2590
24	2580	4870	6410	20400	4620	8480	15100	22600	5680	4090	4900	2480
25	2610	4410	5830	17900	4690	8260	14000	23700	5710	4030	4540	2270
26	2760	4230	5400	15200	4630	7750	12500	27600	5970	4060	3760	2290
27	2780	4300	5010	12300	4580	7280	11400	30200	5880	4570	3230	2090
28	2950	4880	4740	e10700	4510	7200	11200	33500	7500	5000	2900	2000
29	3060	5060	4590	e10000	---	7210	10200	35800	13000	4640	2660	1880
30	2870	6090	4430	e9000	---	7190	9720	36500	18300	4170	2470	1800
31	2830	---	4290	e8100	---	7010	---	34800	---	4030	2630	---
TOTAL	87500	150970	191420	285370	139850	464890	368340	604640	343760	231610	162790	62180
MEAN	2823	5032	6175	9205	4995	15000	12280	19500	11460	7471	5251	2073
MAX	4110	6850	10400	20900	7440	35600	24200	38600	29800	20000	8410	2690
MIN	2060	3410	3930	2300	3480	4610	5090	6510	5680	4030	2470	1630
CFSM	.23	.41	.50	.75	.41	1.22	1.00	1.59	.93	.61	.43	.17
IN.	.27	.46	.58	.87	.42	1.41	1.12	1.83	1.04	.70	.49	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	4719	6867	10470	14000	15570	18690	19400	15270	11310	7965	4905	4083
MAX	18880	40220	44490	77540	47990	51250	41940	64810	44130	27840	21330	21440
(WY)	1991	1993	1928	1950	1950	1982	1938	1943	1958	1957	1958	1989
MIN	1103	1405	1145	1216	1998	2645	5250	2405	1492	1292	1002	966
(WY)	1957	1954	1964	1977	1963	1941	1931	1934	1934	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	3681040		3093320			
ANNUAL MEAN	10090		8475		11080	
HIGHEST ANNUAL MEAN					22800	1950
LOWEST ANNUAL MEAN					2864	1931
HIGHEST DAILY MEAN	104000	Apr 16	38600	May 21	186000	May 20 1943
LOWEST DAILY MEAN	1940	Sep 22	1630	Sep 19	701	Aug 3 1934
ANNUAL SEVEN-DAY MINIMUM	2020	Sep 17	1760	Sep 14	732	Sep 24 1941
INSTANTANEOUS PEAK FLOW			39100	May 21	189000	May 20 1943
INSTANTANEOUS PEAK STAGE			18.01	May 21	30.50	May 20 1943
ANNUAL RUNOFF (CFSM)	.82		.69		.90	
ANNUAL RUNOFF (INCHES)	11.17		9.38		12.27	
10 PERCENT EXCEEDS	20000		18100		27500	
50 PERCENT EXCEEDS	6560		5830		6420	
90 PERCENT EXCEEDS	2710		2480		1960	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1938 to current year. 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.
REVISED RECORDS.--WSP 1335: 1939, 1950. WDR IN-73-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 414.65 ft above sea level. Prior to July 17, 1951, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by upstream reservoirs.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 28, 1913, reached a stage of 26.4 ft, from graph based on once-daily readings by Illinois Central Railroad Co., discharge, 250,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2700	2990	6290	4490	8450	5210	7510	10800	37600	18500	4700	3070
2	e2490	3410	6010	4390	8200	5110	7150	10400	37400	19600	4590	3010
3	e2350	3600	5340	4310	8050	5080	6920	9620	33100	18900	4420	2810
4	e2200	3600	4940	4130	7830	5440	6680	9120	24800	17100	4460	2680
5	e2050	3760	4590	3730	7520	6260	6350	8720	19100	15500	4710	2560
6	e2020	3910	4340	2970	7030	6850	6140	8370	16200	14800	5440	2470
7	e2150	4380	4160	2630	6370	10400	5890	7970	14300	13900	6790	2430
8	e2240	5080	4060	2620	e5300	25500	5660	7560	13300	11600	10600	2390
9	2410	6060	4780	2940	e4450	29500	5530	7410	12400	9570	10800	2390
10	2710	6140	8770	3390	4440	31200	5630	7570	11300	8530	12100	2350
11	3100	6090	10600	3630	4400	33000	6380	7710	11300	7580	10700	2340
12	3320	6520	10300	3960	e4350	34300	9030	8330	14000	6930	9820	2340
13	3380	7070	9460	4580	e4250	35300	16700	9250	15000	6310	9840	2300
14	3310	6870	8610	5100	e4000	35600	21000	10400	15100	5840	9580	2220
15	3260	6490	7940	6480	4560	34000	22600	e11000	14500	5590	8980	2190
16	2990	6430	7190	11500	4880	30000	22900	e14000	13400	5450	8450	2160
17	2600	6160	6870	14500	5370	24600	21400	e20500	11900	4990	8250	2090
18	2360	5650	6850	14400	5530	20400	19300	e28000	10400	4870	8020	2030
19	2250	5410	7100	13600	5520	17600	17500	e36500	9000	5450	7300	1970
20	2240	5290	7460	14000	5590	15300	16500	e42000	8140	6780	6260	1930
21	2220	5150	7690	14000	5740	13200	17500	e43000	7670	6510	5580	1930
22	2400	5070	7920	15700	5470	11800	17200	e44000	7460	5660	5230	2610
23	2640	5360	7470	18800	5310	10500	17500	e41000	7220	5270	5350	2820
24	2720	5380	7150	20300	5300	9720	18200	e36500	6760	5200	5550	2770
25	2750	5020	6660	19700	5080	9410	17100	e32500	6590	5090	5500	2720
26	2760	4660	6080	17700	5080	9060	15300	31700	6740	4890	5110	2540
27	2860	4520	5620	15200	5060	8540	13700	30900	6800	4800	4390	2520
28	2870	5150	5220	13100	5210	8090	12700	32700	6920	5500	3830	2380
29	2910	5520	4950	12400	---	7920	12200	34100	9410	5880	3480	2280
30	3030	5550	4790	10900	---	7870	11300	35200	14900	5340	3220	2170
31	3030	---	4630	9300	---	7780	---	36600	---	4850	3020	---
TOTAL	82320	156290	203840	294450	158340	514540	389470	673430	422710	266780	206070	72470
MEAN	2655	5210	6575	9498	5655	16600	12980	21720	14090	8606	6647	2416
MAX	3380	7070	10600	20300	8450	35600	22900	44000	37600	19600	12100	3070
MIN	2020	2990	4060	2620	4000	5080	5530	7410	6590	4800	3020	1930
CFSM	.20	.40	.50	.72	.43	1.26	.99	1.65	1.07	.65	.51	.18
IN.	.23	.44	.58	.83	.45	1.45	1.10	1.90	1.19	.75	.58	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

MEAN	4996	7519	11160	14040	17090	20830	21490	16960	13040	8918	5658	4630
MAX	18350	39340	39250	80210	54530	60520	41840	68010	45640	36240	23680	25370
(WY)	1991	1993	1986	1950	1950	1982	1957	1943	1958	1957	1958	1989
MIN	1382	1437	1213	1318	2057	2763	6363	3435	2601	1968	1215	1261
(WY)	1957	1954	1964	1977	1963	1941	1941	1941	1977	1988	1941	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	4076100		3440710			
ANNUAL MEAN	11170		9427		12160	
HIGHEST ANNUAL MEAN					24340	1950
LOWEST ANNUAL MEAN					3206	1941
HIGHEST DAILY MEAN	90000	Apr 18	44000	May 22	200000	May 21 1943
LOWEST DAILY MEAN	2020	Oct 6	1930	Sep 20	858	Sep 27 1941
ANNUAL SEVEN-DAY MINIMUM	2190	Sep 18	2040	Sep 15	870	Sep 25 1941
INSTANTANEOUS PEAK FLOW			e44100	May 22	201000	May 21 1943
INSTANTANEOUS PEAK STAGE			Unknown	May 22	29.36	May 21 1943
ANNUAL RUNOFF (CFSM)	.85		.72		.92	
ANNUAL RUNOFF (INCHES)	11.52		9.73		12.56	
10 PERCENT EXCEEDS	23400		19600		29600	
50 PERCENT EXCEEDS	7440		6370		7200	
90 PERCENT EXCEEDS	2770		2610		2190	

e Estimated

03342100 BUSSERON 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^2.
PERIOD OF RECORD.--June 1966 to current year.
REVISED RECORDS.--WDR IN-72-1: 1971. WDR IN-87-1: 1982-86.
GAGE.--Water-stage recorder. Datum of gage is 480.00 ft above sea level (U.S. Soil Conservation Service bench mark).
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.36	2.2	1.2	15	9.2	3.3	5.9	e5.5	.40	e.15	e.21
2	.09	.29	1.5	.94	23	6.9	2.9	7.8	e13	.26	e.14	e.19
3	.07	.21	1.2	e.75	20	5.6	2.7	5.4	e7.6	.30	e.14	e.17
4	.06	.45	1.0	e.71	14	4.8	2.9	5.4	e5.3	.35	e.22	e.15
5	.05	2.5	.92	e.69	e11	5.1	2.4	6.6	e4.1	e.43	e.17	e.14
6	.04	3.0	.81	2.6	e10	5.5	2.4	4.8	e3.2	e.36	e.85	e.13
7	.03	1.1	.84	5.2	e8.8	457	2.3	4.0	e2.5	e.32	e12	e.12
8	.07	.74	.65	3.4	e6.4	240	7.3	3.4	e2.1	e.29	e25	e.20
9	4.1	1.1	4.4	2.0	e5.8	68	14	9.3	e1.9	e.26	e20	e.35
10	.26	2.0	4.1	1.9	e5.4	39	7.3	9.0	e1.6	e.23	e40	e.27
11	.36	1.0	2.8	14	e4.9	31	6.3	14	e1.4	e.21	e33	e.21
12	.12	.73	1.8	23	e4.5	24	7.3	12	e1.3	e.19	e22	e.19
13	.10	.56	1.9	13	e4.0	16	5.9	47	e1.2	e.18	e13	e.16
14	.12	.59	1.7	19	e3.5	12	5.1	31	e1.0	e.19	e9.8	e.19
15	.10	.60	1.2	12	13	9.8	4.5	13	e.93	e.20	e7.6	e1.2
16	.09	.56	12	7.0	15	8.4	4.0	31	e.81	e.23	e5.8	e.96
17	.08	.60	13	5.3	11	8.0	52	236	e.77	e.30	e4.9	e1.1
18	.29	.55	5.7	6.7	9.1	7.9	82	622	.71	e.23	e4.3	e1.2
19	.38	.44	4.0	35	11	7.7	31	363	.70	e.20	6.1	e.78
20	.34	.51	2.8	24	14	7.2	24	88	.67	e.18	e4.2	e.50
21	.29	1.8	2.0	13	14	6.4	38	55	1.4	e.33	e2.7	e.36
22	.19	1.1	1.6	8.3	8.9	6.1	22	39	.53	e1.1	e1.6	e.45
23	.14	.72	1.4	5.6	7.3	6.0	29	25	.44	e.60	e.90	e.23
24	.15	.54	1.2	e4.5	6.1	5.3	76	18	.38	e.37	e.70	e.17
25	.16	.47	1.1	e3.7	5.5	4.9	29	21	.35	e.30	e.55	e.13
26	.13	.41	.96	e3.2	5.1	4.7	15	13	.36	e.27	e.45	e.12
27	.21	15	.93	e2.8	6.1	6.0	10	11	.35	e.23	e.38	e.14
28	.20	13	.86	46	13	5.1	7.5	25	1.6	e.21	e.34	e.12
29	.20	8.0	.80	27	---	3.9	6.1	13	.70	e.20	e.29	e.11
30	.18	4.0	.79	18	---	3.7	5.6	e8.9	.51	e.19	e.26	e.10
31	.23	---	.97	9.7	---	3.5	---	e7.0	---	e.17	e.24	---
TOTAL	8.94	62.93	77.13	320.19	275.4	1028.7	507.8	1754.5	62.91	9.28	217.78	10.35
MEAN	.29	2.10	2.49	10.3	9.84	33.2	16.9	56.6	2.10	.30	7.03	.34
MAX	4.1	15	13	46	23	457	82	622	13	1.1	40	1.2
MIN	.03	.21	.65	.69	3.5	3.5	2.3	3.4	.35	.17	.14	.10
CFSM	.02	.13	.15	.62	.59	1.99	1.01	3.39	.13	.02	.42	.02
IN.	.02	.14	.17	.71	.61	2.29	1.13	3.91	.14	.02	.49	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1995, BY WATER YEAR (WY)

MEAN	3.14	17.6	25.8	23.1	27.4	35.7	33.9	22.5	9.08	12.7	5.05	7.89
MAX	18.8	79.0	96.8	105	67.4	112	74.9	86.2	41.1	79.3	25.4	60.9
(WY)	1994	1994	1983	1969	1971	1973	1992	1981	1980	1973	1979	1989
MIN	.020	.058	.026	.006	1.63	7.23	1.48	1.23	.22	.17	.065	.018
(WY)	1988	1972	1977	1977	1978	1969	1971	1976	1977	1972	1983	1976

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1967 - 1995	
ANNUAL TOTAL	4377.47		4335.91			
ANNUAL MEAN	12.0		11.9		18.6	
HIGHEST ANNUAL MEAN					36.1	1973
LOWEST ANNUAL MEAN					6.93	1977
HIGHEST DAILY MEAN	458	Apr 10	622	May 18	848	Nov 14 1993
LOWEST DAILY MEAN	.03	Oct 7	.03	Oct 7	.00	Oct 12 1966
ANNUAL SEVEN-DAY MINIMUM	.06	Oct 2	.06	Oct 2	.00	Oct 23 1966
INSTANTANEOUS PEAK FLOW			901	May 18	1890	Sep 12 1974
INSTANTANEOUS PEAK STAGE			18.34	May 18	19.16	Jul 8 1982
ANNUAL RUNOFF (CFSM)	.72		.71		1.11	
ANNUAL RUNOFF (INCHES)	9.75		9.66		15.14	
10 PERCENT EXCEEDS	18		21		45	
50 PERCENT EXCEEDS	1.8		2.1		3.7	
90 PERCENT EXCEEDS	.12		.18		.10	

e Estimated

03342500 BUSSERON CREEK NEAR CARLISLE, IN

LOCATION.--Lat 38°58'27", 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 6.7 mi upstream from mouth.
DRAINAGE AREA.--228 mi².
PERIOD OF RECORD.--October 1943 to current year.
REVISED RECORDS.--WSP 1335: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 425.36 ft above sea level (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.--Records good except for estimated daily discharges, which are poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	26	55	41	180	150	56	133	318	86	14	9.2
2	41	24	48	40	210	103	52	190	801	57	14	7.9
3	46	22	43	e32	228	84	51	164	586	43	13	6.9
4	43	29	40	e31	207	74	52	169	323	37	11	6.3
5	35	46	39	e30	e140	78	50	164	241	44	16	6.0
6	34	85	37	30	e130	92	46	132	196	46	15	5.8
7	35	65	38	33	e100	1210	44	100	160	34	87	5.5
8	43	38	38	38	e85	1640	42	79	131	29	596	12
9	48	108	62	38	e74	1480	105	167	118	25	632	25
10	47	153	102	39	e67	1490	144	224	98	23	729	12
11	49	72	121	111	e60	1040	81	203	87	21	703	8.9
12	39	46	88	281	e52	558	84	151	81	18	296	7.4
13	33	36	65	257	e47	373	90	461	70	17	203	6.8
14	32	32	54	227	e43	294	68	669	62	16	152	8.4
15	32	32	50	251	101	252	56	360	57	17	101	60
16	31	34	72	170	220	223	50	358	51	18	77	62
17	33	33	210	120	153	189	166	1790	46	19	60	62
18	36	31	170	153	125	158	398	3420	43	25	48	61
19	35	29	102	341	139	135	310	3550	41	19	48	60
20	35	28	78	423	173	119	244	3290	38	16	39	25
21	33	30	67	245	202	104	415	3250	39	16	37	21
22	33	30	60	151	146	90	356	2550	40	49	31	26
23	33	29	56	115	120	82	328	1650	37	122	25	14
24	33	28	51	e78	97	71	789	1020	35	60	21	4.2
25	35	26	48	e68	79	62	583	704	50	30	19	3.8
26	34	25	46	e63	73	56	346	527	128	24	17	3.4
27	33	91	43	e60	73	82	257	523	82	24	15	3.1
28	22	208	42	578	193	89	206	2410	183	20	13	3.2
29	18	138	40	678	---	77	170	1570	177	20	12	3.0
30	15	74	39	352	---	67	142	1130	169	17	10	2.9
31	22	---	38	225	---	61	---	549	---	16	9.8	---
TOTAL	1075	1648	2042	5299	3517	10583	5781	31657	4488	1008	4063.8	542.7
MEAN	34.7	54.9	65.9	171	126	341	193	1021	150	32.5	131	18.1
MAX	49	208	210	678	228	1640	789	3550	801	122	729	62
MIN	15	22	37	30	43	56	42	79	35	16	9.8	2.9
CFSM	.15	.24	.29	.75	.55	1.50	.85	4.48	.66	.14	.57	.08
IN.	.18	.27	.33	.86	.57	1.73	.94	5.17	.73	.16	.66	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	47.6	178	265	316	367	456	436	318	167	110	55.2	73.1
MAX	263	1250	1421	2380	1317	1284	1102	1230	988	1101	633	701
(WY)	1950	1994	1983	1950	1950	1978	1945	1981	1945	1979	1979	1989
MIN	1.39	.94	2.87	3.64	11.3	12.8	35.6	31.6	8.88	.035	1.89	.88
(WY)	1944	1955	1954	1977	1954	1954	1954	1954	1954	1954	1953	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	72403		71704.5			
ANNUAL MEAN	198		196		232	
HIGHEST ANNUAL MEAN					548	1950
LOWEST ANNUAL MEAN					10.8	1954
HIGHEST DAILY MEAN	3490	Apr 13	3550	May 19	8500	Jan 5 1950
LOWEST DAILY MEAN	15	Oct 30	2.9	Sep 30	.00	Jul 12 1954
ANNUAL SEVEN-DAY MINIMUM	17	Jul 30	3.4	Sep 24	.00	Jul 12 1954
INSTANTANEOUS PEAK FLOW			3910	May 18	8800	Jan 5 1950
INSTANTANEOUS PEAK STAGE			16.01	May 18	20.30	May 9 1961
ANNUAL RUNOFF (CFSM)	.87		.86		1.02	
ANNUAL RUNOFF (INCHES)	11.81		11.70		13.80	
10 PERCENT EXCEEDS	385		383		641	
50 PERCENT EXCEEDS	51		60		54	
90 PERCENT EXCEEDS	21		16		5.3	

e Estimated

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^2.

PERIOD OF RECORD.--October 1994 to current year (stage only), October 1929 to September 1994 (discharge). 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.

REVISED RECORDS.--WSP 1173: 1943 (maximum gage height only). WSP 1335: 1930-31, 1933, 1936. WSP 1909: 1955. WDR IN-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 394.43 ft above sea level. 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.

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^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 29.33 ft., May 22, 1943; minimum gage height, unknown.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.74 ft., May 22, 1995; minimum gage height, unknown.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.61	4.71	6.29	5.51	7.43	5.94	7.12	8.59	17.05	11.57	5.86	---
2	4.57	4.91	6.17	5.46	7.34	5.88	6.95	8.43	17.49	11.86	5.74	---
3	4.52	5.00	5.88	5.42	7.35	5.84	6.86	8.01	17.15	11.66	5.60	---
4	4.46	5.07	5.70	5.34	7.23	5.99	6.73	7.83	15.51	11.04	5.74	---
5	4.40	5.17	5.54	5.17	7.03	6.42	6.48	7.64	13.11	10.39	5.86	---
6	4.38	5.18	5.43	4.87	6.81	6.73	6.38	7.47	11.25	10.11	6.34	---
7	4.38	5.36	5.34	4.63	---	10.61	6.25	7.26	10.38	9.73	7.11	---
8	4.42	5.64	5.29	4.66	---	14.54	6.14	7.03	9.84	8.88	8.91	---
9	4.45	6.42	5.61	4.85	---	15.50	6.06	7.07	9.40	8.00	9.41	---
10	4.59	6.28	7.49	5.06	5.59	16.02	6.17	7.16	8.83	7.62	10.11	---
11	4.77	6.17	8.15	5.37	5.50	16.45	6.49	7.21	8.85	7.15	9.38	---
12	4.85	6.32	8.02	5.57	5.64	16.80	7.61	7.54	9.79	6.81	8.59	---
13	4.88	6.59	7.66	5.75	5.81	17.04	10.76	8.66	10.22	6.45	8.46	---
14	4.85	6.50	7.30	6.10	5.70	16.89	12.13	8.83	10.19	6.19	8.07	---
15	4.83	6.34	7.02	6.57	5.86	16.42	12.73	8.46	10.01	6.22	7.67	---
16	4.72	6.31	6.82	8.69	5.83	15.66	12.89	10.37	9.57	6.18	7.36	---
17	4.54	6.21	6.68	9.79	5.97	14.36	12.53	15.16	8.93	5.85	7.28	---
18	4.48	5.98	6.62	9.86	6.06	12.70	11.89	18.27	8.33	5.81	7.23	---
19	4.40	5.86	6.69	9.95	6.07	11.57	11.23	19.14	7.70	6.02	6.83	---
20	4.38	5.80	6.83	9.98	6.20	10.61	10.98	20.04	7.44	6.74	6.43	---
21	4.37	5.77	6.92	9.79	6.22	9.68	11.48	20.46	7.13	6.66	6.01	---
22	4.43	5.71	7.03	10.35	6.06	9.04	11.27	20.53	7.01	6.60	5.82	---
23	4.56	5.83	6.83	11.46	5.96	8.50	11.56	20.09	7.04	6.31	5.89	---
24	4.60	5.86	6.70	11.95	5.94	8.11	12.07	19.67	6.67	6.20	5.99	---
25	4.61	5.70	6.47	11.76	5.80	7.98	11.54	19.05	6.73	6.03	5.98	---
26	4.62	5.52	6.23	11.02	5.80	7.86	10.69	17.86	6.91	5.92	5.81	---
27	4.67	5.85	6.02	10.11	5.85	7.61	9.85	16.96	6.83	5.79	5.46	---
28	4.67	5.93	5.85	10.11	6.00	7.44	9.38	17.51	7.08	6.19	5.19	---
29	4.71	6.03	5.71	9.36	---	7.37	9.12	17.40	8.07	6.40	5.02	---
30	4.78	5.96	5.64	8.53	---	7.29	8.72	17.20	10.24	6.11	4.89	---
31	4.75	---	5.58	7.82	---	7.24	---	17.00	---	5.89	4.78	---
MEAN	4.59	5.80	6.44	7.77	---	10.65	9.34	13.03	9.82	7.50	6.74	---
MAX	4.88	6.59	8.15	11.95	---	17.04	12.89	20.53	17.49	11.86	10.11	---
MIN	4.37	4.71	5.29	4.63	---	5.84	6.06	7.03	6.67	5.79	4.78	---

03347000 WHITE RIVER AT MUNCIE, IN

LOCATION.--Lat 40°12'15", long 85°23'14", in SE¼NW¼, 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 mi².
PERIOD OF RECORD.--November 1930 to current year. 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.
REVISED RECORDS.--WSP 1335: 1931-32(M), 1936(M), 1938, 1940. WSP 1435: 1955. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 917.10 ft above sea level (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.--Records good except for estimated daily discharges, which are poor. 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.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 22.6 ft in March 1913, present datum, discharge, 20,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	37	25	30	70	200	71	140	227	523	49	18
2	11	38	21	28	69	138	69	131	275	242	44	19
3	9.7	41	19	18	76	104	66	121	551	152	38	20
4	8.0	39	17	e17	82	90	63	115	343	116	66	18
5	8.7	68	20	e16	e67	99	64	114	243	96	107	11
6	10	65	19	e16	e53	144	58	106	199	79	129	8.2
7	9.2	48	29	e17	e48	1010	58	98	167	67	90	11
8	13	41	34	e18	e42	1590	67	93	142	63	79	47
9	30	35	61	e20	e39	788	170	102	127	56	70	37
10	21	39	145	e22	e36	471	364	108	136	50	70	36
11	22	41	133	38	e34	359	327	112	149	46	56	30
12	16	34	98	134	e32	278	390	100	124	38	48	28
13	14	28	70	159	e31	218	364	97	105	33	42	29
14	13	24	54	130	e30	179	235	372	93	31	38	35
15	13	17	46	345	e33	154	177	318	81	41	35	38
16	14	15	62	244	e37	138	150	196	74	55	32	35
17	17	14	190	154	e59	122	133	207	72	75	36	33
18	17	13	171	113	e95	109	140	1160	70	49	37	28
19	19	12	106	121	123	102	142	4240	62	40	38	28
20	16	15	78	484	132	100	127	4520	56	38	38	27
21	13	16	67	590	134	99	1130	1240	73	52	33	29
22	28	12	56	307	113	99	1210	557	74	46	26	32
23	32	13	49	206	100	94	550	396	83	48	28	31
24	35	14	46	156	100	85	414	313	105	48	25	30
25	31	14	43	118	94	76	349	273	111	143	25	29
26	30	15	39	114	86	71	299	287	108	234	24	26
27	32	22	38	e98	88	78	246	254	94	213	22	24
28	31	32	32	e83	189	81	199	494	128	111	19	25
29	32	47	31	e73	---	78	167	567	201	82	20	24
30	31	34	29	e66	---	75	153	399	400	69	20	25
31	35	---	29	e62	---	71	---	278	---	59	20	---
TOTAL	626.6	883	1857	3997	2092	7300	7952	17508	4673	2995	1404	811.2
MEAN	20.2	29.4	59.9	129	74.7	235	265	565	156	96.6	45.3	27.0
MAX	35	68	190	590	189	1590	1210	4520	551	523	129	47
MIN	8.0	12	17	16	30	71	58	93	56	31	19	8.2
CFSM	.08	.12	.25	.54	.31	.98	1.10	2.34	.65	.40	.19	.11
IN.	.10	.14	.29	.62	.32	1.13	1.23	2.70	.72	.46	.22	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1995, BY WATER YEAR (WY)

MEAN	56.1	148	225	294	339	414	400	257	207	117	70.4	58.0
MAX	409	1068	1119	1654	1122	963	1476	1239	1492	750	816	825
(WY)	1987	1994	1991	1950	1950	1978	1964	1933	1958	1992	1979	1989
MIN	2.30	7.33	6.57	6.38	21.2	39.0	46.4	16.4	13.6	9.55	4.80	1.96
(WY)	1957	1957	1961	1977	1935	1941	1941	1941	1988	1944	1940	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1932 - 1995	
ANNUAL TOTAL	49736.6		52098.8			
ANNUAL MEAN	136		143		215	
HIGHEST ANNUAL MEAN					421	1950
LOWEST ANNUAL MEAN					42.1	1941
HIGHEST DAILY MEAN	3810	Jan 28	4520	May 20	11600	Apr 21 1964
LOWEST DAILY MEAN	8.0	Oct 4	8.0	Oct 4	1.1	Sep 16 1954
ANNUAL SEVEN-DAY MINIMUM	9.9	Oct 2	9.9	Oct 2	1.2	Sep 21 1954
INSTANTANEOUS PEAK FLOW			6130	May 20	14300	Apr 21 1964
INSTANTANEOUS PEAK STAGE			10.41	May 20	21.07	Jan 15 1937
ANNUAL RUNOFF (CFSM)	.57		.59		.89	
ANNUAL RUNOFF (INCHES)	7.68		8.04		12.10	
10 PERCENT EXCEEDS	205		282		478	
50 PERCENT EXCEEDS	62		65		74	
90 PERCENT EXCEEDS	18		17		12	

e Estimated

03347500 BUCK CREEK NEAR MUNCIE, IN

LOCATION.--Lat 40°08'05", long 85°22'25", in SW¼SE¼ 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 mi².
PERIOD OF RECORD.--October 1954 to current year.
REVISED RECORDS.--WSP 1909: 1955, 1957. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 944.67 ft above sea level. Prior to May 5, 1955, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 15 ft, from information by local residents. Date unknown.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	33	23	17	e19	34	22	26	45	56	16	12
2	18	e31	22	e15	e19	28	22	25	65	32	15	12
3	21	e29	22	e14	e20	25	23	24	82	26	15	12
4	22	32	21	e14	e19	25	23	24	60	24	16	12
5	22	40	23	e13	e17	26	22	23	48	24	21	11
6	22	44	22	e13	e16	30	22	22	43	22	21	11
7	e21	30	25	e13	e15	231	22	21	39	21	18	12
8	e20	27	24	e13	e14	203	22	21	36	21	17	13
9	34	30	37	e13	e14	100	36	22	34	20	16	13
10	30	41	45	e13	e13	75	37	23	42	20	16	12
11	e25	32	40	18	e13	62	33	23	37	19	15	12
12	e23	29	31	28	e13	51	53	22	34	19	15	12
13	e21	26	27	25	e13	45	42	22	32	18	15	12
14	e23	25	25	24	e12	41	34	73	30	18	14	13
15	28	24	24	33	e13	38	30	41	28	18	14	12
16	e24	23	30	24	e15	35	28	31	27	18	14	12
17	e22	22	53	22	e18	33	27	43	25	17	14	12
18	e22	22	37	20	24	31	29	261	24	17	14	12
19	e24	21	28	28	26	30	28	688	24	17	14	12
20	30	21	24	123	27	29	29	187	24	17	14	12
21	30	21	23	91	27	28	279	113	26	19	14	12
22	e26	21	21	55	23	27	105	80	30	17	13	12
23	e21	21	21	43	23	27	65	64	27	17	13	12
24	e23	21	20	36	22	25	65	55	32	20	13	12
25	30	21	19	31	20	24	52	53	27	104	13	12
26	e23	20	18	e25	20	24	44	45	24	54	13	12
27	e22	23	18	e23	21	25	37	40	24	32	13	11
28	e21	39	18	e22	43	24	32	142	27	21	13	11
29	e22	28	18	e20	---	24	29	101	50	19	13	12
30	e25	25	17	e20	---	23	28	66	90	17	13	12
31	29	---	17	e19	---	23	---	52	---	16	12	---
TOTAL	739	822	793	868	539	1446	1320	2433	1136	780	457	359
MEAN	23.8	27.4	25.6	28.0	19.2	46.6	44.0	78.5	37.9	25.2	14.7	12.0
MAX	34	44	53	123	43	231	279	688	90	104	21	13
MIN	15	20	17	13	12	23	22	21	24	16	12	11
CFSM	.67	.77	.72	.79	.54	1.31	1.24	2.21	1.07	.71	.42	.34
IN.	.77	.86	.83	.91	.56	1.52	1.38	2.55	1.19	.82	.48	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1995, BY WATER YEAR (WY)

MEAN	20.8	32.4	38.2	40.1	50.4	57.2	56.3	43.1	39.6	29.8	23.4	18.6
MAX	58.6	146	109	96.2	123	117	166	89.6	153	97.9	108	76.4
(WY)	1991	1994	1991	1959	1971	1982	1964	1968	1958	1992	1979	1989
MIN	8.73	9.30	8.77	6.36	11.2	16.4	16.7	17.2	11.3	8.64	9.00	8.13
(WY)	1964	1964	1965	1977	1964	1966	1966	1988	1988	1966	1965	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1955 - 1995	
ANNUAL TOTAL	12359		11692			
ANNUAL MEAN	33.9		32.0		37.4	
HIGHEST ANNUAL MEAN					57.3	1991
LOWEST ANNUAL MEAN					15.4	1966
HIGHEST DAILY MEAN	566	Jan 28	688	May 19	1260	Apr 21 1964
LOWEST DAILY MEAN	9.0	Sep 22	11	Sep 5	4.7	Jan 17 1977
ANNUAL SEVEN-DAY MINIMUM	11	Sep 16	12	Aug 31	5.5	Jan 15 1977
INSTANTANEOUS PEAK FLOW			962	May 19	1780	Apr 21 1964
INSTANTANEOUS PEAK STAGE			10.60	May 19	13.96	Apr 21 1964
ANNUAL RUNOFF (CFSM)	.95		.90		1.05	
ANNUAL RUNOFF (INCHES)	12.95		12.25		14.31	
10 PERCENT EXCEEDS	45		50		66	
50 PERCENT EXCEEDS	27		23		24	
90 PERCENT EXCEEDS	14		13		12	

e Estimated

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 mi².
PERIOD OF RECORD.--May 1968 to current year.
GAGE.--Water-stage recorder. Datum of gage is 810.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	e9.2	16	12	e20	64	37	45	46	564	22	18
2	5.5	e10	13	11	22	44	36	42	51	232	22	17
3	6.5	e9.0	12	e10	26	32	35	38	68	157	21	17
4	6.3	e8.6	11	e9.3	32	26	36	36	58	116	23	17
5	6.4	e11	12	e8.8	e25	23	33	35	50	92	34	17
6	6.7	e17	12	e8.2	e20	36	32	33	47	75	36	17
7	6.5	e14	13	e7.8	e17	115	33	32	46	61	28	17
8	5.9	e12	24	e8.2	e15	783	34	31	43	53	25	19
9	7.3	e10	37	e8.4	e14	663	54	32	39	48	24	19
10	11	e16	66	e8.6	e13	284	116	34	59	46	23	18
11	e8.6	e13	57	e10	e13	198	211	35	102	41	22	18
12	e7.2	e11	35	18	e12	151	244	32	66	38	21	17
13	e7.4	e9.2	26	41	e11	113	206	31	51	36	24	17
14	e6.8	e8.6	21	56	e10	90	121	194	44	33	21	19
15	e7.8	e8.0	18	57	e11	77	89	179	39	32	20	18
16	e7.2	e7.8	20	51	e12	68	75	97	36	37	19	18
17	e7.0	e7.4	86	37	e13	61	64	108	33	32	20	17
18	e6.6	e7.2	82	32	e14	54	83	209	32	29	22	17
19	e7.0	e7.0	48	48	15	51	111	860	31	27	20	17
20	e7.2	e8.0	34	405	16	50	82	601	31	26	20	17
21	e7.0	e7.4	28	668	16	52	139	249	31	29	19	17
22	e6.8	e6.8	23	320	16	51	184	153	37	28	19	17
23	e6.4	e6.6	20	170	15	48	114	109	32	35	18	17
24	e6.2	e6.4	19	e100	15	44	95	90	51	38	18	17
25	e8.4	e6.2	17	e80	14	40	82	77	156	35	18	17
26	e7.4	e6.0	15	e62	14	38	69	67	137	35	18	17
27	e7.0	e13	14	e45	15	39	64	60	1300	31	18	17
28	e6.6	e52	13	e35	26	41	54	63	1470	28	18	17
29	e6.4	e31	13	e32	---	41	48	66	713	26	18	17
30	e7.0	21	12	e23	---	40	48	55	1150	24	18	16
31	e8.0	---	12	e18	---	38	---	49	---	23	18	---
TOTAL	216.4	360.4	829	2400.3	462	3455	2629	3742	6049	2107	667	520
MEAN	6.98	12.0	26.7	77.4	16.5	111	87.6	121	202	68.0	21.5	17.3
MAX	11	52	86	668	32	783	244	860	1470	564	36	19
MIN	4.3	6.0	11	7.8	10	23	32	31	31	23	18	16
CFSM	.06	.11	.24	.69	.15	.99	.78	1.07	1.78	.60	.19	.15
IN.	.07	.12	.27	.79	.15	1.14	.87	1.23	1.99	.69	.22	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	33.8	102	135	123	162	200	172	92.3	110	74.0	44.5	45.4
MAX	176	519	482	409	416	544	467	224	409	526	234	529
(WY)	1991	1993	1991	1974	1990	1982	1972	1989	1980	1992	1990	1989
MIN	5.70	7.95	7.31	5.29	16.5	42.4	33.3	19.1	10.3	7.94	4.97	4.76
(WY)	1989	1977	1977	1977	1995	1981	1971	1976	1988	1977	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	20730.5		23437.1			
ANNUAL MEAN	56.8		64.2		107	
HIGHEST ANNUAL MEAN					180	1973
LOWEST ANNUAL MEAN					32.7	1977
HIGHEST DAILY MEAN	1370	Jan 28	1470	Jun 28	3840	Jul 14 1992
LOWEST DAILY MEAN	4.3	Oct 1	4.3	Oct 1	3.0	Oct 11 1988
ANNUAL SEVEN-DAY MINIMUM	5.3	Sep 16	6.0	Oct 1	3.2	Oct 9 1988
INSTANTANEOUS PEAK FLOW			1850	Jun 28	5630	Jul 13 1992
INSTANTANEOUS PEAK STAGE			10.40	Jun 28	15.00	Jul 13 1992
ANNUAL RUNOFF (CFSM)	.50		.57		.95	
ANNUAL RUNOFF (INCHES)	6.82		7.72		12.91	
10 PERCENT EXCEEDS	97		112		249	
50 PERCENT EXCEEDS	22		26		40	
90 PERCENT EXCEEDS	7.0		7.8		9.3	

e Estimated

03349000 WHITE RIVER AT NOBLESVILLE, IN

LOCATION.--Lat 40°02'50", long 86°01'00", in SE¹/₄SE¹/₄ sec.36, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on right bank at downstream side of Logan Street bridge in Noblesville, 1.5 mi upstream from Cicero Creek, 5.1 mi downstream from dam at Clare, and at mile 263.5.
DRAINAGE AREA.--858 mi².
PERIOD OF RECORD.--October 1946 to current year. Gage-height records collected at present site from December 1913 to December 1935, and at site 400 ft downstream January 1936 to May 1951, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Noblesville.
REVISED RECORDS.--WSP 1335: 1949. WSP 2109: Drainage area. WDR 94-1: 1993.
GAGE.--Water-stage recorder. Datum of gage is 738.16 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partially regulated by powerplant above station.
REVISION.--The maximum discharge for the 1993 water year has been revised to 10,400 ft³/s, Nov. 14, 1992, gage height, 16.23 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	148	173	173	336	444	359	586	796	2440	240	141
2	116	165	148	166	344	578	349	554	748	1480	231	138
3	108	152	135	155	353	465	340	523	1000	954	217	134
4	105	147	131	116	378	388	333	504	1110	741	241	132
5	106	177	134	e114	e320	359	325	499	834	621	462	130
6	103	231	142	e120	e280	408	316	489	713	542	516	132
7	104	279	144	e125	e260	685	318	463	660	469	438	131
8	104	191	159	e130	e250	4560	334	445	592	408	356	163
9	121	174	187	e140	e240	5510	443	440	535	370	303	228
10	148	218	271	e150	e230	2830	854	458	535	349	276	161
11	122	246	378	166	e220	1810	1270	459	688	331	254	131
12	105	184	342	226	e218	1380	1330	432	639	311	236	126
13	101	168	282	398	e214	1090	1570	400	530	290	219	125
14	99	155	225	467	e210	877	1120	835	471	272	207	122
15	99	144	196	430	e220	749	829	1630	430	257	196	121
16	99	136	187	637	e240	666	695	1040	394	349	190	121
17	99	127	258	534	e270	599	624	959	369	329	189	119
18	99	124	564	412	e300	544	691	1510	351	303	194	112
19	101	120	506	395	344	504	856	6130	337	271	193	111
20	108	121	372	1080	354	500	735	8260	326	247	181	111
21	117	125	308	2860	375	529	913	8060	323	269	190	113
22	114	127	267	2310	379	510	2900	2860	492	299	169	116
23	113	123	241	1210	352	486	1990	1670	424	307	163	114
24	122	114	222	e820	327	460	1330	1310	515	301	157	111
25	133	111	211	e610	323	412	1140	1120	887	328	154	110
26	137	110	201	e500	309	381	975	969	762	587	150	111
27	134	121	195	e450	301	380	860	889	2080	587	148	115
28	134	226	190	e410	324	405	757	999	3120	505	144	115
29	136	256	184	e370	---	402	663	1540	2420	359	155	115
30	132	201	180	e340	---	386	616	1270	2130	299	146	115
31	128	---	174	e320	---	374	---	964	---	259	145	---
TOTAL	3572	4921	7307	16334	8271	29671	25835	48267	25211	15434	7060	3824
MEAN	115	164	236	527	295	957	861	1557	840	498	228	127
MAX	148	279	564	2860	379	5510	2900	8260	3120	2440	516	228
MIN	99	110	131	114	210	359	316	400	323	247	144	110
CFSM	.13	.19	.27	.61	.34	1.12	1.00	1.81	.98	.58	.27	.15
IN.	.15	.21	.32	.71	.36	1.29	1.12	2.09	1.09	.67	.31	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	285	622	889	1146	1282	1572	1508	923	842	573	364	308
MAX	1264	3359	3472	6494	3485	3732	4281	2213	4432	2778	2264	3143
(WY)	1991	1994	1991	1950	1950	1978	1964	1981	1958	1992	1979	1989
MIN	88.4	109	107	102	141	368	322	249	143	138	93.8	69.3
(WY)	1964	1964	1964	1977	1964	1981	1971	1988	1988	1966	1988	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	199626		195707			
ANNUAL MEAN	547		536		857	
HIGHEST ANNUAL MEAN					1455	1950
LOWEST ANNUAL MEAN					266	1954
HIGHEST DAILY MEAN	9830	Jan 29	8260	May 20	25400	Dec 31 1990
LOWEST DAILY MEAN	99	Oct 14	99	Oct 14	44	Sep 28 1954
ANNUAL SEVEN-DAY MINIMUM	100	Oct 13	100	Oct 13	58	Sep 23 1954
INSTANTANEOUS PEAK FLOW			8730	May 21	27000	Dec 31 1990
INSTANTANEOUS PEAK STAGE			14.61	May 21	21.31	Apr 22 1964
ANNUAL RUNOFF (CFSM)	.64		.62		1.00	
ANNUAL RUNOFF (INCHES)	8.66		8.49		13.57	
10 PERCENT EXCEEDS	895		1060		1930	
50 PERCENT EXCEEDS	300		309		404	
90 PERCENT EXCEEDS	122		117		137	

e Estimated

03350700 STONY CREEK NEAR NOBLESVILLE, IN

LOCATION.--Lat 40°01'44", long 85°59'44", in NE¼NE¼ sec.7, T.18 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, on right bank, between dual bridges on State Highway 37, 1.4 mi upstream from mouth, and 1.4 mi southeast of Noblesville.
DRAINAGE AREA.--50.8 mi².
PERIOD OF RECORD.--July 1967 to current year.
REVISED RECORDS.--WDR IN-82-1: 1981.
GAGE.--Water-stage recorder. Datum of gage is 749.00 ft above sea level (Indiana Department of Highways bench mark). Prior to Oct. 1, 1988, water-stage recorder at county road bridge 200 ft upstream at same datum.
REMARKS.--Records good except for Oct. 1 - Jan. 19 which are fair, and estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	39	11	15	e17	26	23	29	36	94	8.0	4.0
2	7.2	46	9.8	e13	35	20	22	28	36	66	7.4	4.0
3	7.0	53	9.4	e10	41	18	20	25	52	52	7.1	3.4
4	6.6	66	10	e8.0	e33	16	20	25	41	44	8.5	3.2
5	5.8	91	11	e7.0	e27	20	17	24	36	36	30	3.1
6	6.3	101	12	e7.2	e22	42	17	22	34	30	33	3.1
7	5.3	61	13	e7.6	e19	189	17	21	36	25	25	3.2
8	4.7	36	14	e8.0	e16	436	16	21	30	22	20	4.2
9	7.5	38	28	e8.6	e13	197	28	23	28	20	15	4.8
10	7.9	90	73	e9.4	e12	126	28	24	36	18	12	4.0
11	7.7	60	52	15	e10	96	28	23	35	16	10	3.7
12	7.6	19	31	34	e9.0	75	53	20	30	15	8.6	3.4
13	7.8	4.8	23	30	e8.4	60	49	19	26	14	7.3	3.6
14	8.6	4.6	18	24	e7.4	50	36	67	23	13	6.4	3.6
15	7.8	4.1	18	32	e8.2	44	31	57	22	12	6.0	3.3
16	7.2	3.9	24	30	e8.8	39	28	40	20	12	5.6	3.2
17	7.7	5.1	129	28	e9.8	34	28	92	18	11	5.5	3.0
18	8.4	7.6	93	34	e11	30	54	264	17	9.8	5.7	3.1
19	9.2	4.9	48	77	12	30	57	701	16	8.7	5.5	3.2
20	9.7	4.9	30	215	13	31	42	323	16	8.4	5.1	3.1
21	9.5	5.8	22	185	14	38	81	161	16	10	4.7	3.3
22	9.3	5.9	19	88	12	31	76	107	24	9.9	4.3	3.3
23	9.7	4.8	18	e45	12	29	54	81	26	17	4.0	3.5
24	9.6	4.8	16	e37	12	24	57	68	31	23	4.0	3.3
25	14	11	15	e30	11	22	52	57	101	21	3.8	3.2
26	18	19	15	e25	11	21	45	50	55	40	3.7	3.2
27	22	35	14	e22	12	29	41	44	327	26	3.6	3.0
28	18	165	15	e19	22	34	35	58	347	19	3.5	2.9
29	19	71	15	e17	---	30	32	59	194	13	5.8	2.9
30	22	23	14	e15	---	27	31	46	142	10	7.7	2.7
31	30	---	15	e14	---	25	---	39	---	8.8	4.8	---
TOTAL	329.0	1085.2	835.2	1109.8	438.6	1889	1118	2618	1851	724.6	281.6	101.5
MEAN	10.6	36.2	26.9	35.8	15.7	60.9	37.3	84.5	61.7	23.4	9.08	3.38
MAX	30	165	129	215	41	436	81	701	347	94	33	4.8
MIN	4.7	3.9	9.4	7.0	7.4	16	16	19	16	8.4	3.5	2.7
CFSM	.21	.71	.53	.70	.31	1.20	.73	1.66	1.21	.46	.18	.07
IN.	.24	.79	.61	.81	.32	1.38	.82	1.92	1.36	.53	.21	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	17.5	50.3	60.3	55.8	78.9	87.9	82.1	55.1	43.2	31.4	23.0	18.6
MAX	68.0	287	235	145	190	203	160	146	142	128	80.5	210
(WY)	1991	1993	1991	1974	1990	1978	1972	1981	1974	1979	1979	1989
MIN	3.63	5.51	5.84	3.87	11.0	17.6	16.9	16.1	6.50	3.25	3.84	3.38
(WY)	1988	1988	1977	1977	1978	1981	1971	1988	1988	1977	1988	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	13142.7		12381.5			
ANNUAL MEAN	36.0		33.9		50.1	
HIGHEST ANNUAL MEAN					83.0	1993
LOWEST ANNUAL MEAN					19.5	1977
HIGHEST DAILY MEAN	756	Jan 28	701	May 19	1760	Dec 30 1990
LOWEST DAILY MEAN	2.4	Sep 15	2.7	Sep 30	1.2	Oct 12 1991
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 9	3.0	Sep 24	1.5	Oct 9 1991
INSTANTANEOUS PEAK FLOW			804	May 19	2090	Dec 30 1990
INSTANTANEOUS PEAK STAGE			5.70	May 19	9.21	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.71		.67		.99	
ANNUAL RUNOFF (INCHES)	9.62		9.07		13.41	
10 PERCENT EXCEEDS	66		66		114	
50 PERCENT EXCEEDS	19		19		23	
90 PERCENT EXCEEDS	3.8		4.2		6.0	

e Estimated

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 bridge pier on 82nd Street, 2 mi east of Nora, 14 mi upstream from Fall Creek, and at mile 247.9.
DRAINAGE AREA.--1,219 mi².
PERIOD OF RECORD.--October 1929 to current year. Prior to April 1930, monthly discharge only, published in WSP 1305. Prior to October 1948, published as West Fork White River near Nora.
REVISED RECORDS.--WSP 1335: 1930-31, 1934(m), 1936, 1941, 1943, 1945, 1947-48. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 710.94 ft above sea level (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.--Records good except for estimated daily discharges, which are poor. Flow partially regulated by Morse Reservoir.
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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	172	381	298	519	578	510	790	1150	2970	301	186
2	152	196	323	e290	531	747	491	750	1060	2150	294	180
3	138	201	291	e250	554	614	474	680	1230	1350	276	174
4	134	210	271	e230	585	535	480	655	1500	1020	281	170
5	133	303	271	e220	e520	544	442	650	1180	838	539	159
6	132	394	273	e224	e450	633	412	614	996	714	619	166
7	133	425	300	e227	e420	1390	415	573	945	632	596	311
8	129	330	323	e230	e400	5780	416	534	853	558	493	272
9	156	295	383	e240	e380	7060	503	527	763	504	437	461
10	171	383	473	e250	e360	4160	1010	560	748	462	434	351
11	194	366	583	277	e340	2740	1480	588	871	424	346	258
12	165	313	573	350	e325	2150	1740	560	903	391	318	243
13	149	288	502	490	e320	1740	2050	539	742	369	294	196
14	142	278	430	644	e310	1420	1640	1050	649	347	270	186
15	140	266	383	662	e330	1200	1200	2140	594	349	247	172
16	140	251	385	751	e350	1060	984	1630	543	414	234	171
17	140	228	535	770	e390	945	895	1850	508	469	257	196
18	140	214	760	642	e430	841	981	2520	482	378	319	190
19	142	205	829	654	471	774	1360	6890	457	359	274	188
20	139	206	646	1250	475	748	1260	9390	435	320	239	194
21	139	239	534	3350	499	824	1290	9800	421	349	235	198
22	146	243	475	3240	501	764	2970	5290	559	362	221	189
23	142	231	432	1900	482	739	2810	2500	649	434	196	181
24	142	214	411	1290	463	687	1910	1970	590	427	178	176
25	157	194	370	931	430	615	1600	1720	1020	577	180	174
26	162	190	346	e680	415	561	1370	1520	1050	612	200	163
27	169	235	328	e600	422	604	1190	1350	1960	767	190	152
28	165	578	320	e570	496	618	1050	1350	3770	629	182	144
29	166	542	318	e550	---	604	916	1890	3280	476	196	160
30	165	468	303	e530	---	568	846	1750	2460	395	265	170
31	163	---	293	e510	---	538	---	1390	---	339	199	---
TOTAL	4657	8658	13045	23100	12168	42781	34695	64020	32368	20385	9310	6131
MEAN	150	289	421	745	435	1380	1156	2065	1079	658	300	204
MAX	194	578	829	3350	585	7060	2970	9800	3770	2970	619	461
MIN	129	172	271	220	310	535	412	527	421	320	178	144
CFSM	.12	.24	.35	.61	.36	1.13	.95	1.69	.89	.54	.25	.17
IN.	.14	.26	.40	.70	.37	1.31	1.06	1.95	.99	.62	.28	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1995, BY WATER YEAR (WY)

MEAN	367	756	1108	1585	1673	2084	2065	1370	1090	718	453	380
MAX	1699	5115	4366	9015	4805	5113	5878	6815	6093	3672	2612	4397
(WY)	1991	1993	1991	1950	1950	1978	1964	1943	1958	1992	1979	1989
MIN	108	110	119	119	182	194	280	141	200	102	82.5	72.3
(WY)	1941	1935	1935	1945	1964	1941	1941	1941	1931	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1930 - 1995	
ANNUAL TOTAL	293607		271318			
ANNUAL MEAN	804		743		1134	
HIGHEST ANNUAL MEAN					2052	1950
LOWEST ANNUAL MEAN					235	1941
HIGHEST DAILY MEAN	12400	Jan 29	9800	May 21	31500	May 19 1943
LOWEST DAILY MEAN	90	Sep 21	129	Oct 8	49	Sep 17 1941
ANNUAL SEVEN-DAY MINIMUM	101	Sep 16	136	Oct 2	53	Sep 17 1941
INSTANTANEOUS PEAK FLOW			10000	May 21	32400	May 19 1943
INSTANTANEOUS PEAK STAGE			10.87	May 21	19.19	Jan 1 1991
ANNUAL RUNOFF (CFSM)	.66		.61		.93	
ANNUAL RUNOFF (INCHES)	8.96		8.28		12.64	
10 PERCENT EXCEEDS	1310		1510		2550	
50 PERCENT EXCEEDS	450		442		519	
90 PERCENT EXCEEDS	143		171		160	

e Estimated

03351060 WHITE RIVER AT BROAD RIPPLE

LOCATION.--Lat 39°52'17", long 86°08'16", in SW¼ sec.36, T.17 N., R.3 E., Marion County, Hydrologic Unit 05120201, on left bank at Indianapolis Water Company, 75 ft downstream from diversion canal, and 500 ft upstream from Broad Ripple dam.

DRAINAGE AREA.--1,238 mi^2.

PERIOD OF RECORD.--October 1989 to current year. Fragmentary record November 1927 to Jan. 24, 1947 and continuous record, Jan. 24, 1947 to Sept. 30, 1989, available in District office.

REVISED RECORDS.--WDR IN-93-1: 1992.

GAGE.--Water-stage recorder. Datum of gage is 709.91 ft above sea level.

REMARKS.--Stage affected by diversion through canal for water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.16 ft, Jan. 1, 1991; minimum, 2.51 ft, Sept. 11, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.07 ft, May 20; minimum 2.56 ft, Sept. 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	2.74	2.92	2.90	3.06	3.21	3.07	3.26	3.42	4.22	---	2.63
2	2.66	2.80	2.88	2.88	3.07	3.18	3.06	3.23	---	3.73	2.83	2.65
3	2.64	2.78	2.87	2.84	3.09	3.10	3.05	3.18	3.57	3.47	2.81	2.66
4	2.64	2.83	2.86	2.82	3.12	3.06	3.06	3.19	3.58	3.32	2.90	2.60
5	2.62	2.99	2.86	2.82	3.07	3.13	3.01	3.18	3.41	3.24	3.17	2.56
6	2.64	2.94	2.85	2.83	3.03	3.18	3.02	3.14	3.33	3.17	3.14	2.67
7	2.63	2.98	2.90	2.86	2.98	4.23	---	3.10	3.29	3.10	3.09	2.86
8	2.66	2.86	2.90	2.84	2.99	5.43	---	3.09	3.24	3.04	2.99	2.83
9	2.69	2.91	3.06	2.85	2.96	5.08	---	3.09	3.18	3.01	3.05	3.02
10	2.72	2.94	3.06	2.85	3.01	4.32	---	3.12	---	2.97	2.95	2.84
11	2.71	2.92	3.12	2.91	2.98	4.02	---	3.12	3.34	2.91	2.89	2.80
12	2.69	2.86	3.08	2.97	2.98	3.83	3.78	3.10	3.28	2.88	2.85	2.78
13	2.65	2.86	3.03	3.10	2.97	3.66	3.88	3.10	3.18	2.87	2.83	---
14	2.64	2.85	2.98	3.16	2.94	3.53	3.61	3.67	---	2.84	2.78	2.73
15	2.66	2.84	2.95	3.15	2.98	3.44	3.45	3.94	3.07	2.88	2.75	---
16	2.66	2.81	3.06	3.29	2.98	3.37	3.34	3.72	3.04	3.04	2.74	2.70
17	2.63	2.78	3.13	3.19	3.01	3.31	3.30	---	3.02	2.94	2.83	2.75
18	2.65	2.76	3.32	---	3.04	3.26	3.44	4.82	2.99	2.90	---	2.72
19	2.66	2.77	3.20	3.25	3.04	3.22	3.61	5.77	2.97	2.86	2.80	2.73
20	2.63	2.76	3.11	3.90	3.05	3.24	3.50	6.07	2.95	2.88	2.75	2.74
21	2.65	2.81	3.06	4.49	3.05	3.25	3.64	5.90	2.98	2.90	2.77	2.76
22	2.67	2.83	3.02	4.06	3.05	3.24	4.53	4.29	3.16	2.94	2.71	2.73
23	2.66	2.80	3.02	3.63	3.02	3.22	4.00	3.95	3.13	3.11	2.65	2.74
24	2.70	2.78	2.99	3.44	3.01	3.18	3.75	3.80	3.12	2.95	2.63	2.72
25	2.72	2.80	2.96	3.26	3.00	3.13	---	3.70	3.46	3.13	2.66	2.69
26	2.73	2.77	2.94	---	2.98	3.10	3.53	3.59	3.35	3.21	2.69	2.69
27	2.74	3.02	2.92	3.06	3.05	3.17	3.47	3.56	4.37	3.13	2.65	2.62
28	2.70	3.06	2.92	---	3.07	3.14	3.39	3.62	4.50	3.10	2.65	2.61
29	2.74	3.06	2.93	---	---	3.13	3.33	3.86	4.12	2.98	2.73	2.67
30	2.73	2.98	2.90	---	---	3.11	3.30	3.70	4.19	2.90	2.74	2.67
31	2.72	---	2.90	3.05	---	3.09	---	3.50	---	2.84	2.66	---
MEAN	2.68	2.86	2.99	---	3.02	3.47	---	---	---	3.08	---	---
MAX	2.74	3.06	3.32	---	3.12	5.43	---	---	---	4.22	---	---
MIN	2.62	2.74	2.85	---	2.94	3.06	---	---	---	2.84	---	---

CAL YR 1994 MEAN 3.09 MAX 6.57 MIN 2.43

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^2.
PERIOD OF RECORD.--June 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 711.00 ft above sea level (Indiana Department of Highways bench mark).
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.2	5.1	3.1	5.8	10	5.8	6.9	7.2	5.0	1.4	1.2
2	.95	4.7	3.9	3.0	8.4	7.1	5.2	6.5	8.9	3.7	2.1	1.4
3	.81	4.1	3.3	2.0	8.0	5.7	4.9	5.5	9.2	2.9	1.6	1.2
4	.75	12	2.9	1.3	e6.2	5.9	5.1	6.8	6.7	2.7	18	1.1
5	1.1	52	4.7	e.90	e4.8	22	4.2	7.4	5.7	2.5	42	1.1
6	1.3	49	4.7	e1.0	e4.0	21	3.8	5.6	5.6	2.3	17	1.1
7	1.7	9.9	8.9	e1.1	e3.4	176	4.8	4.7	14	2.2	16	1.2
8	2.4	5.4	6.5	e1.3	e3.0	77	3.6	4.2	10	2.1	13	9.7
9	14	21	21	e1.5	e2.7	27	4.3	7.2	9.4	2.0	20	5.8
10	6.0	40	18	e1.8	e2.5	21	3.5	7.3	9.9	1.9	34	3.7
11	2.8	12	13	9.4	e2.4	16	3.8	5.7	8.6	1.8	8.5	2.3
12	1.8	7.4	6.7	15	e2.3	13	14	4.1	5.4	1.8	5.5	1.6
13	1.6	4.6	5.3	15	e2.2	10	6.4	9.6	4.0	1.5	3.4	1.5
14	1.8	3.8	4.6	16	e2.1	8.9	4.6	82	3.4	1.4	2.5	5.6
15	2.3	3.7	4.0	15	e2.3	8.0	3.6	17	3.1	6.9	2.0	3.1
16	2.4	3.1	21	8.3	e2.6	7.2	3.5	14	2.8	2.9	1.8	1.9
17	3.1	2.7	31	6.1	e2.9	6.5	8.5	340	2.7	2.7	1.8	1.7
18	3.9	2.6	13	11	e3.4	5.9	23	320	2.3	2.1	22	1.5
19	5.4	2.5	7.6	33	3.8	5.8	10	193	2.5	1.6	12	1.5
20	5.3	2.4	5.9	60	4.0	5.8	10	47	2.0	1.4	4.1	1.6
21	4.3	9.5	4.9	30	4.0	6.2	30	28	2.9	5.6	3.6	1.7
22	3.9	6.0	4.1	16	4.9	5.1	13	21	10	3.5	2.6	1.7
23	3.0	3.0	3.4	e11	4.0	12	11	18	5.2	8.3	2.4	1.5
24	2.8	2.3	3.0	e8.8	3.8	7.0	24	17	27	6.6	1.4	1.4
25	3.9	1.9	2.6	e7.4	3.1	5.6	16	18	7.9	45	1.1	1.3
26	4.4	1.6	2.4	e6.4	3.1	4.7	10	14	5.2	13	.99	1.2
27	3.7	31	2.3	e5.6	8.6	27	8.3	11	40	5.1	.92	1.2
28	3.2	83	2.3	e5.4	26	15	7.1	22	16	3.6	.99	1.2
29	2.9	14	3.9	e4.7	---	8.8	6.2	12	15	2.7	1.2	1.4
30	2.6	7.3	2.9	e4.3	---	7.3	7.6	11	7.9	2.1	1.5	1.6
31	2.6	---	2.2	e4.0	---	6.7	---	7.9	---	1.6	1.4	---
TOTAL	98.51	405.7	225.1	309.40	134.3	565.2	265.8	1274.4	260.5	148.5	246.80	64.0
MEAN	3.18	13.5	7.26	9.98	4.80	18.2	8.86	41.1	8.68	4.79	7.96	2.13
MAX	14	83	31	60	26	176	30	340	40	45	42	9.7
MIN	.75	1.6	2.2	.90	2.1	4.7	3.5	4.1	2.0	1.4	.92	1.1
CFSM	.18	.76	.41	.56	.27	1.02	.49	2.30	.49	.27	.44	.12
IN.	.20	.84	.47	.64	.28	1.17	.55	2.65	.54	.31	.51	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	9.16	22.4	23.2	18.0	24.9	31.9	30.1	24.8	15.5	13.5	8.59	8.61
MAX	60.9	88.2	95.4	54.8	79.4	63.7	58.2	71.9	73.4	57.7	30.8	69.9
(WY)	1987	1994	1991	1974	1975	1991	1972	1990	1978	1979	1978	1989
MIN	1.86	.88	1.23	.94	4.17	5.65	5.63	4.31	1.59	2.51	1.94	1.07
(WY)	1983	1972	1977	1977	1978	1981	1971	1988	1988	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995		
ANNUAL TOTAL	4667.77		3998.21				
ANNUAL MEAN	12.8		11.0		19.2		
HIGHEST ANNUAL MEAN					29.6		1974
LOWEST ANNUAL MEAN					8.30		1977
HIGHEST DAILY MEAN	263	Apr 11	340	May 17	1570	Jun 26	1978
LOWEST DAILY MEAN	.34	Aug 10	.75	Oct 4	.00	Oct 7	1991
ANNUAL SEVEN-DAY MINIMUM	.54	Sep 9	1.2	Aug 24	.00	Oct 12	1991
INSTANTANEOUS PEAK FLOW			930	May 17	5500	Jun 26	1978
INSTANTANEOUS PEAK STAGE			6.40	May 17	13.31	Jun 26	1978
ANNUAL RUNOFF (CFSM)	.71		.61		1.07		
ANNUAL RUNOFF (INCHES)	9.70		8.31		14.56		
10 PERCENT EXCEEDS	30		21		38		
50 PERCENT EXCEEDS	5.5		4.7		7.6		
90 PERCENT EXCEEDS	.97		1.5		1.7		

e Estimated

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^2.
PERIOD OF RECORD.--July 1941 to current year.
REVISED RECORDS.--WSP 1435: 1949(P). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 787.43 ft above sea level (levels by Indianapolis Water Co.). Prior to June 27, 1942, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, about 12 ft March 1913 (information by local resident).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	35	47	43	71	143	69	118	206	144	55	31
2	23	41	44	41	78	110	68	111	195	112	55	29
3	24	38	42	39	90	94	68	103	208	93	51	29
4	22	37	43	e38	95	85	66	101	194	82	57	28
5	23	53	46	e37	85	85	62	101	166	78	106	28
6	24	82	47	e38	e76	100	62	96	151	69	155	26
7	23	69	48	e38	e71	481	65	89	137	65	104	26
8	22	50	49	e39	e66	1250	64	85	125	60	91	38
9	34	47	55	e39	e62	621	75	86	116	57	81	51
10	37	65	82	e39	e59	384	98	89	126	56	69	37
11	30	64	82	44	e56	296	88	88	139	54	62	32
12	27	53	71	64	e53	238	139	81	117	53	56	30
13	29	49	62	82	e55	196	164	80	103	49	52	31
14	26	46	56	79	e57	168	118	255	96	49	49	31
15	30	43	54	80	e61	149	98	262	89	48	46	29
16	27	42	57	83	e68	136	90	165	82	52	44	27
17	27	39	97	70	e78	123	88	255	79	52	43	28
18	26	38	101	64	92	113	98	773	75	46	47	27
19	27	38	81	74	106	107	104	2580	74	43	45	27
20	30	38	69	242	116	105	92	2600	71	42	42	26
21	30	41	62	307	124	102	444	722	80	58	44	29
22	30	39	58	209	109	90	532	419	149	60	40	30
23	30	36	55	160	98	88	306	311	102	68	37	27
24	30	36	52	128	92	83	265	253	122	77	36	26
25	32	36	50	111	80	77	233	221	118	221	35	27
26	33	36	48	e90	77	74	196	194	100	365	34	26
27	32	41	47	e76	77	80	171	168	180	152	33	26
28	31	67	47	e69	115	82	148	563	207	102	32	24
29	34	66	45	e65	---	77	130	552	171	80	33	24
30	33	53	44	e64	---	75	123	338	160	67	35	23
31	33	---	43	e67	---	71	---	248	---	61	32	---
TOTAL	883	1418	1784	2619	2267	5883	4324	12107	3938	2615	1701	873
MEAN	28.5	47.3	57.5	84.5	81.0	190	144	391	131	84.4	54.9	29.1
MAX	37	82	101	307	124	1250	532	2600	208	365	155	51
MIN	22	35	42	37	53	71	62	80	71	42	32	23
CFSM	.17	.28	.34	.50	.48	1.12	.85	2.31	.78	.50	.32	.17
IN.	.19	.31	.39	.58	.50	1.29	.95	2.66	.87	.58	.37	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

MEAN	65.6	122	172	211	252	302	292	216	171	115	77.2	58.2
MAX	353	788	727	1210	720	674	829	741	888	416	467	498
(WY)	1987	1994	1991	1950	1950	1978	1964	1943	1958	1992	1979	1989
MIN	20.1	30.1	24.2	24.4	42.1	71.2	70.3	71.4	39.2	24.7	16.0	15.6
(WY)	1964	1945	1964	1977	1964	1981	1971	1955	1988	1966	1988	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1942 - 1995	
ANNUAL TOTAL	45218		40412			
ANNUAL MEAN	124		111		171	
HIGHEST ANNUAL MEAN					298	1950
LOWEST ANNUAL MEAN					61.4	1966
HIGHEST DAILY MEAN	2240	Jan 28	2600	May 20	6950	Apr 21 1964
LOWEST DAILY MEAN	20	Sep 21	22	Oct 4	7.0	Oct 1 1941
ANNUAL SEVEN-DAY MINIMUM	21	Sep 17	23	Oct 2	9.7	Aug 21 1988
INSTANTANEOUS PEAK FLOW			3420	May 20	8750	Apr 21 1964
INSTANTANEOUS PEAK STAGE			8.02	May 20	9.88	Apr 21 1964
ANNUAL RUNOFF (CFSM)	.73		.66		1.01	
ANNUAL RUNOFF (INCHES)	9.95		8.90		13.73	
10 PERCENT EXCEEDS	212		195		346	
50 PERCENT EXCEEDS	69		67		90	
90 PERCENT EXCEEDS	28		30		31	

e Estimated

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^2.
PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for October 1929, published in WSP 1305. Twice-daily chain gage readings at former site from July 1925 to September 1926 are available in the district office.
REVISED RECORDS.--WSP 1335: 1930-31, 1933, 1936-38, 1942-43. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 722.16 ft above sea level. Prior to Oct. 21, 1961, water-stage recorder at site 500 ft downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Geist Reservoir.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.3 ft Mar. 26, 1913, from floodmarks, discharge, 22,000 ft^3/s by slope-area measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	44	62	45	113	215	119	191	371	310	80	65
2	45	43	60	41	147	199	107	161	364	245	77	63
3	43	43	57	39	177	151	100	138	367	180	70	66
4	43	49	51	e38	103	137	102	139	320	150	74	75
5	42	76	56	e37	154	145	96	136	267	131	164	72
6	42	98	55	e37	e125	186	87	124	238	116	205	64
7	42	63	56	e38	e115	735	93	116	215	104	176	64
8	42	53	54	e38	e100	1790	90	110	205	93	159	98
9	49	57	67	e39	e94	1410	136	109	186	80	139	160
10	46	75	90	e41	e89	848	132	118	180	71	227	54
11	45	62	88	54	e85	615	91	120	193	68	137	50
12	44	55	72	82	e80	487	158	111	185	72	101	53
13	43	52	60	82	e76	397	201	116	149	66	82	53
14	42	49	55	74	e70	341	205	651	137	65	65	55
15	42	48	50	83	e75	298	169	608	129	78	64	46
16	41	48	59	79	e80	254	145	415	118	118	69	47
17	41	47	115	66	e90	227	159	1450	114	85	65	46
18	41	48	96	68	e105	208	192	1850	108	65	193	45
19	45	48	72	89	121	176	197	3780	96	64	156	46
20	42	47	66	226	130	178	199	3580	88	60	82	49
21	42	56	60	317	143	175	423	2190	102	83	67	55
22	43	53	57	339	151	168	733	989	161	82	65	54
23	42	50	55	298	140	183	583	651	163	126	61	54
24	42	49	53	232	125	150	483	517	185	187	58	53
25	43	50	47	175	119	126	416	458	400	662	61	52
26	42	49	45	e125	112	116	346	379	250	915	60	52
27	43	62	43	e110	117	152	288	307	574	488	60	44
28	42	101	46	e105	197	175	253	588	662	275	59	43
29	43	80	47	e100	---	155	219	883	578	186	67	47
30	42	67	47	e99	---	140	213	658	405	134	70	48
31	43	---	46	e98	---	128	---	474	---	101	69	---
TOTAL	1332	1722	1887	3294	3313	10665	6735	22117	7510	5460	3082	1773
MEAN	43.0	57.4	60.9	106	118	344	224	713	250	176	99.4	59.1
MAX	49	101	115	339	197	1790	733	3780	662	915	227	160
MIN	41	43	43	37	70	116	87	109	88	60	58	43
CFSM	.14	.19	.20	.36	.40	1.15	.75	2.39	.84	.59	.33	.20
IN.	.17	.21	.24	.41	.41	1.33	.84	2.76	.94	.68	.38	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1995, BY WATER YEAR (WY)

MEAN	98.7	190	282	400	429	519	513	373	271	189	120	95.0
MAX	713	1283	1059	2390	1278	1399	1503	1524	1449	796	739	965
(WY)	1987	1994	1991	1950	1950	1963	1964	1943	1958	1979	1979	1989
MIN	23.4	32.1	38.2	37.1	50.4	47.5	59.7	33.6	42.2	29.1	15.5	11.5
(WY)	1941	1935	1935	1945	1935	1941	1941	1941	1934	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1930 - 1995	
ANNUAL TOTAL	69908		68890			
ANNUAL MEAN	192		189		289	
HIGHEST ANNUAL MEAN					539	1950
LOWEST ANNUAL MEAN					44.0	1941
HIGHEST DAILY MEAN	3130	Jan 29	3780	May 19	10600	May 18 1943
LOWEST DAILY MEAN	40	Sep 21	37	Jan 5	7.8	Sep 28 1941
ANNUAL SEVEN-DAY MINIMUM	41	Sep 16	38	Jan 3	9.0	Sep 24 1941
INSTANTANEOUS PEAK FLOW			4060	May 19	12900	May 28 1956
INSTANTANEOUS PEAK STAGE			9.83	May 19	13.53	May 28 1956
ANNUAL RUNOFF (CFSM)	.64		.63		.97	
ANNUAL RUNOFF (INCHES)	8.73		8.60		13.18	
10 PERCENT EXCEEDS	347		386		646	
50 PERCENT EXCEEDS	90		93		127	
90 PERCENT EXCEEDS	43		43		47	

e Estimated

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, 4.0 mi upstream from Indianapolis Power and Light Company dam, and at mile 230.3.

DRAINAGE AREA.--1,635 mi^2.

PERIOD OF RECORD.--March 1904 to July 1906 and April 1930 to current year. 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.

REVISED RECORDS.--WSP 1335: 1932-33, 1937, 1939-41. WSP 1505: 1938. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 662.26 ft above sea level. 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.--Records poor. 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 large releases from Eagle Creek and by variable leakage at Indianapolis Power and Light Company dam.

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^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	128	364	e270	e360	e650	e540	858	1480	2900	e260	138
2	185	e104	e250	e254	e475	e780	e500	905	1390	2500	e240	e80
3	166	e96	e200	e230	e540	e680	e455	682	1450	1560	e230	e74
4	147	211	e150	e200	700	e520	e450	642	1660	1110	419	e68
5	133	522	e200	e164	e540	e510	e420	642	1430	889	790	e64
6	119	719	e156	e170	e558	e700	e370	e450	1150	723	787	e66
7	127	397	e184	e190	e450	2910	e340	540	1060	613	773	e75
8	126	365	e204	e210	e360	7400	e350	498	954	e500	630	418
9	255	387	459	e240	e300	8430	e390	510	891	e420	541	366
10	e148	494	541	256	e260	5470	821	618	e710	e370	705	324
11	e150	376	571	360	e250	3520	1300	547	911	e300	481	194
12	e164	e250	566	431	e240	2690	1910	526	1020	e260	e335	e110
13	e160	e180	642	484	e250	2170	2020	722	843	e220	e282	e142
14	e140	e170	469	811	e290	1740	1870	2900	e600	e194	e250	e115
15	e128	e160	358	743	e332	1400	1330	2730	e535	e340	e220	e98
16	e118	e150	479	674	e360	1250	1060	2360	e470	e440	e200	e94
17	e90	e140	787	824	e390	1080	1040	5800	e430	e450	e218	90
18	e81	e130	824	881	e410	938	1130	6420	e410	e300	389	92
19	e112	e120	974	829	430	844	1330	11300	e375	e220	519	e81
20	e124	e130	663	1520	457	812	1560	12100	e360	e185	261	e66
21	e110	e170	518	3180	480	846	2020	11600	778	e430	198	e75
22	e104	e160	439	3640	515	801	3030	7390	e640	e300	168	e90
23	98	e152	393	2460	469	917	3640	3410	741	637	153	e79
24	94	e146	468	1600	415	786	2740	2560	1270	665	148	e81
25	e110	e130	358	e995	e370	686	2160	2290	1170	1190	135	e82
26	e112	e120	316	e760	e360	606	1780	1870	1270	1480	118	e69
27	e113	378	302	e640	e400	758	1490	1670	1910	1090	115	e72
28	e108	954	287	e560	e600	769	1300	2220	3870	764	107	e60
29	e109	541	e264	e520	---	700	1050	2530	3860	582	102	e58
30	e95	430	e246	e450	---	638	929	2470	2690	453	169	e64
31	e96	---	e252	e400	---	e580	---	2000	---	383	178	---
TOTAL	4024	8410	12884	24946	11561	52581	39325	91760	36328	22468	10121	3485
MEAN	130	280	416	805	413	1696	1311	2960	1211	725	326	116
MAX	255	954	974	3640	700	8430	3640	12100	3870	2900	790	418
MIN	81	96	150	164	240	510	340	450	360	185	102	58
CFSM	.08	.17	.25	.49	.25	1.04	.80	1.81	.74	.44	.20	.07
IN.	.09	.19	.29	.57	.26	1.20	.89	2.09	.83	.51	.23	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

MEAN	430	936	1393	1923	2148	2717	2707	1848	1382	896	540	425
MAX	2081	6425	5826	12120	6452	6610	7777	8594	7910	4259	3399	5063
(WY)	1991	1994	1991	1950	1950	1963	1964	1943	1958	1992	1979	1989
MIN	70.1	110	77.3	78.4	178	207	274	113	126	90.3	42.5	31.5
(WY)	1941	1935	1964	1977	1964	1941	1941	1941	1988	1936	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995	
ANNUAL TOTAL	374786		317893			
ANNUAL MEAN	1027		871		1441	
HIGHEST ANNUAL MEAN					2698	1950
LOWEST ANNUAL MEAN					233	1941
HIGHEST DAILY MEAN	14500	Jan 29	12100	May 20	36800	Dec 31 1990
LOWEST DAILY MEAN	81	Oct 18	58	Sep 29	8.0	Sep 29 1941
ANNUAL SEVEN-DAY MINIMUM	103	Oct 17	69	Sep 24	12	Sep 24 1941
INSTANTANEOUS PEAK FLOW			12300	May 20	38000	Dec 31 1990
INSTANTANEOUS PEAK STAGE			11.82	May 20	21.57	Jan 16 1937
ANNUAL RUNOFF (CFSM)	.63		.53		.88	
ANNUAL RUNOFF (INCHES)	8.53		7.23		11.98	
10 PERCENT EXCEEDS	1840		2010		3300	
50 PERCENT EXCEEDS	524		450		653	
90 PERCENT EXCEEDS	130		110		146	

e Estimated

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 mi².
PERIOD OF RECORD.--December 1959 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 780.00 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for June 16 - Aug. 1, which are fair and those for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1956 reached a stage of 16.0 ft, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	1.7	.69	1.4	e2.3	4.6	1.5	2.6	2.2	2.1	1.5	.93
2	.17	.45	.58	.70	e4.1	2.8	1.3	6.2	27	1.5	1.9	.83
3	.17	.37	.50	e.60	e3.2	2.2	1.9	2.4	6.2	1.1	.82	.77
4	.23	14	3.1	e.50	e2.5	1.7	2.2	5.9	2.8	1.7	9.8	.75
5	.23	49	7.3	e.45	e2.0	10	1.5	2.5	2.0	.94	23	.83
6	.23	15	1.5	e.42	e1.6	5.9	1.3	1.8	1.8	.68	4.4	1.0
7	.26	3.0	5.3	e.62	e1.4	145	1.3	1.5	1.7	.40	15	.85
8	1.5	1.4	1.4	e.98	e1.2	27	1.2	1.3	1.6	.25	3.4	11
9	10	24	23	e1.6	e1.1	11	2.4	6.3	1.2	1.7	11	1.1
10	.41	14	13	e2.6	e1.0	6.8	1.2	4.5	1.2	.20	3.3	.83
11	.26	2.6	5.7	e6.0	e.96	5.0	8.2	1.8	1.1	.08	1.4	.67
12	.14	1.1	2.4	12	e.94	3.9	18	1.4	1.1	.33	2.0	1.5
13	.17	.85	1.8	5.4	e.92	3.4	2.7	13	.87	.16	2.1	8.8
14	.27	1.2	2.1	11	e.90	3.0	1.6	198	.89	.22	.87	2.4
15	.36	1.2	1.4	6.5	e1.0	2.4	1.4	11	.85	17	.92	.78
16	.30	.88	27	3.1	e1.2	2.3	1.2	26	.62	21	.90	.64
17	.89	.65	11	2.1	e1.4	2.0	12	227	.40	1.8	30	.70
18	4.3	.61	4.3	5.8	e1.7	1.7	8.2	247	.42	.39	9.2	.72
19	4.6	.54	2.6	23	e2.0	1.6	2.6	54	.34	.42	5.2	.72
20	1.5	.60	2.0	31	2.5	3.2	26	14	.22	.27	2.0	2.6
21	.72	9.5	1.6	9.9	2.6	2.0	56	7.7	30	20	1.3	.36
22	.69	1.3	1.5	5.0	2.1	1.7	9.1	5.2	3.4	5.3	.98	.27
23	.81	.76	1.1	e3.6	2.1	12	16	3.9	9.2	24	.68	.25
24	.67	.68	1.1	e3.0	1.7	2.8	15	3.3	9.5	6.3	.76	.26
25	2.6	.82	1.3	e2.7	1.6	1.8	11	19	2.8	18	.76	.28
26	1.3	.68	1.1	e2.3	1.5	1.7	4.7	4.6	34	5.2	.85	.22
27	1.7	24	.96	e2.1	16	15	3.5	4.1	48	3.2	.74	.26
28	1.7	14	.94	e1.9	12	4.3	2.6	54	20	2.5	.81	.28
29	.88	2.1	.78	e1.8	---	7.5	2.1	6.9	5.6	1.9	12	.29
30	.68	1.0	.71	e1.7	---	2.1	3.3	4.0	4.2	1.5	3.0	.29
31	2.2	---	.95	e1.6	---	1.7	---	2.7	---	1.3	1.0	---
TOTAL	40.10	187.99	128.71	151.37	73.52	298.1	221.0	943.6	221.21	141.44	151.59	41.18
MEAN	1.29	6.27	4.15	4.88	2.63	9.62	7.37	30.4	7.37	4.56	4.89	1.37
MAX	10	49	27	31	16	145	56	247	48	24	30	11
MIN	.14	.37	.50	.42	.90	1.6	1.2	1.3	.22	.08	.68	.22
CFSM	.17	.83	.55	.64	.35	1.27	.97	4.02	.97	.60	.65	.18
IN.	.20	.92	.63	.74	.36	1.46	1.08	4.63	1.09	.69	.74	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1995, BY WATER YEAR (WY)

MEAN	4.36	9.12	8.97	7.48	8.83	13.2	11.2	9.62	6.64	8.83	5.36	4.18
MAX	27.5	36.9	33.3	25.0	25.7	42.3	28.5	30.4	21.6	33.8	21.3	23.2
(WY)	1987	1994	1991	1969	1971	1963	1961	1995	1973	1979	1979	1989
MIN	.38	1.28	.72	.45	1.11	1.94	1.61	1.12	.69	.61	.67	.49
(WY)	1964	1964	1964	1977	1978	1994	1971	1964	1967	1967	1967	1967

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1960 - 1995	
ANNUAL TOTAL	2141.56		2599.81			
ANNUAL MEAN	5.87		7.12		8.16	
HIGHEST ANNUAL MEAN					11.6	1978
LOWEST ANNUAL MEAN					3.25	1966
HIGHEST DAILY MEAN	137	Apr 10	247	May 18	574	Mar 4 1963
LOWEST DAILY MEAN	.14	Oct 12	.08	Jul 11	.00	Sep 11 1960
ANNUAL SEVEN-DAY MINIMUM	.20	Sep 30	.21	Oct 1	.00	Oct 5 1960
INSTANTANEOUS PEAK FLOW			1490	May 14	2600	Jun 25 1978
INSTANTANEOUS PEAK STAGE			9.88	May 14	13.86	Jun 25 1978
ANNUAL RUNOFF (CFSM)	.77		.94		1.08	
ANNUAL RUNOFF (INCHES)	10.51		12.76		14.63	
10 PERCENT EXCEEDS	13		15		16	
50 PERCENT EXCEEDS	1.2		1.8		1.9	
90 PERCENT EXCEEDS	.36		.41		.50	

e Estimated

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^2.
PERIOD OF RECORD.--October 1957 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 816.85 ft above sea level. Prior to Oct. 9, 1957, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Low flow affected by the Zionsville well field located on the right bank below the gage before 1989.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.20 ft. from floodmark.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1.9	23	19	e30	65	39	56	49	27	1.4	.44
2	.75	1.4	15	17	55	48	37	54	52	19	1.3	.28
3	.86	1.3	12	e13	61	40	35	48	53	15	1.1	.20
4	.75	2.0	9.2	e9.6	e45	36	34	50	45	13	1.4	.18
5	.76	5.9	8.3	e8.0	e37	62	29	50	40	13	13	.16
6	.80	20	7.2	e8.2	e32	138	30	46	39	11	19	.14
7	.76	6.1	10	e8.4	e28	1010	29	44	42	8.6	8.9	.12
8	.80	2.2	17	e8.8	e24	979	29	42	35	7.0	6.3	.39
9	3.2	3.2	29	e9.2	e22	341	56	46	29	6.2	13	2.4
10	2.5	27	58	e10	e19	241	68	48	130	5.9	81	1.1
11	3.1	18	43	16	e17	193	71	53	124	5.5	24	.56
12	3.4	7.6	28	39	e15	151	116	44	72	4.7	13	.47
13	.92	3.9	22	46	e14	119	94	43	51	4.6	7.3	.38
14	.58	2.7	17	64	e13	100	68	294	41	3.6	4.8	.40
15	.54	2.4	14	87	e14	85	56	165	33	3.2	4.2	.49
16	.58	1.9	24	65	e16	75	52	107	29	4.1	3.1	.41
17	.64	1.6	136	53	e17	66	52	430	26	5.9	3.6	.30
18	.56	1.4	93	51	19	58	199	857	23	3.7	5.7	.19
19	.63	1.1	64	96	20	55	182	1390	21	3.0	6.6	.17
20	.62	1.0	52	240	21	58	121	379	20	2.7	4.4	.16
21	1.2	1.4	44	182	23	58	168	231	19	3.0	4.1	.17
22	1.6	1.3	37	104	20	49	136	157	20	2.7	5.0	.20
23	2.0	1.2	34	e80	21	56	104	119	26	2.8	5.8	.25
24	2.5	1.0	30	e70	20	49	118	105	32	8.6	4.9	.34
25	2.8	1.2	28	e50	17	43	109	99	56	7.2	5.4	.37
26	2.3	1.1	24	e41	18	41	92	84	40	5.1	4.0	.22
27	2.3	5.5	21	e35	23	50	82	73	44	3.6	1.6	.16
28	2.2	166	21	e32	67	53	68	79	34	2.7	.66	.12
29	2.1	78	19	e29	---	48	61	69	56	2.1	.65	.08
30	2.2	41	16	e28	---	45	62	58	45	1.7	.57	.06
31	3.7	---	17	e27	---	42	---	52	---	1.4	.56	---
TOTAL	48.42	410.3	972.7	1546.2	728	4454	2397	5372	1326	207.6	256.34	10.91
MEAN	1.56	13.7	31.4	49.9	26.0	144	79.9	173	44.2	6.70	8.27	.36
MAX	3.7	166	136	240	67	1010	199	1390	130	27	81	2.4
MIN	.54	1.0	7.2	8.0	13	36	29	42	19	1.4	.56	.06
CFSM	.02	.13	.30	.48	.25	1.39	.78	1.68	.43	.07	.08	.00
IN.	.02	.15	.35	.56	.26	1.61	.87	1.94	.48	.07	.09	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	22.6	93.0	132	118	149	200	180	95.5	86.3	64.4	38.9	22.7
MAX	131	542	530	452	423	459	532	289	523	520	444	332
(WY)	1970	1993	1991	1974	1976	1963	1964	1974	1958	1979	1958	1989
MIN	.000	1.16	1.65	1.23	9.05	28.7	30.0	12.0	1.55	1.52	.000	.000
(WY)	1967	1965	1977	1977	1964	1966	1971	1988	1988	1966	1966	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1958 - 1995	
ANNUAL TOTAL	20342.73		17729.47			
ANNUAL MEAN	55.7		48.6		99.9	
HIGHEST ANNUAL MEAN					188	1974
LOWEST ANNUAL MEAN					22.2	1977
HIGHEST DAILY MEAN	1920	Apr 12	1390	May 19	6840	Dec 30 1990
LOWEST DAILY MEAN	.25	Sep 22	.06	Sep 30	.00	Sep 9 1959
ANNUAL SEVEN-DAY MINIMUM	.30	Sep 16	.19	Sep 24	.00	Sep 15 1959
INSTANTANEOUS PEAK FLOW			2710	May 19	12400	Apr 20 1964
INSTANTANEOUS PEAK STAGE			8.78	May 19	14.64	Apr 20 1964
ANNUAL RUNOFF (CFSM)	.54		.47		.97	
ANNUAL RUNOFF (INCHES)	7.35		6.40		13.18	
10 PERCENT EXCEEDS	112		99		215	
50 PERCENT EXCEEDS	24		20		31	
90 PERCENT EXCEEDS	1.1		.64		1.4	

e Estimated

03353450 EAGLE CREEK RESERVOIR NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¼NW¼ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2 mi west of Indianapolis.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level. (Prior to 1993 water year, erroneously published as 780.00 ft above sea level).

REMARKS.--Reservoir is formed by earth-fill dam. Low flow is controlled through a 48-inch diameter conduit. Spillway elevation, 783 ft is an ogee section with 6 taintor gates, each 40 ft wide and 25 ft high. Permanent pool capacity is 24,000 acre-ft, elevation, 790.00 ft. Reservoir is used for flood control, low-flow maintenance, water supply, and recreation. Reservoir put into operation Nov. 27, 1969.

COOPERATION.--Water-stage elevations and capacity tables furnished by Indianapolis Flood Control District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 30,580 acre-ft Dec. 30, 1990, elevation, 794.61 ft; minimum, 11,390 acre-ft Nov. 17-18, 1991, elevation, 778.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 25,390 acre-ft May 18, elevation, 790.99 ft; minimum, 18,890 acre-ft Sept. 30, elevation, 785.99 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	788.65	22,240	
Oct. 31	787.64	20,930	-1,310
Nov. 30	788.52	22,080	+1,150
Dec. 31	788.64	22,230	+150
CAL YR 1994			-2,860
Jan. 31	788.57	22,140	-90
Feb. 28	786.54	19.550	-2,590
Mar. 31	787.99	21,390	+1,840
Apr. 30	790.46	24,640	+3,250
May 31	790.35	24,490	-150
June 30	790.43	24,600	+110
July 31	789.15	22,890	-1,710
Aug. 31	788.03	21,440	-1,450
Sept. 30	785.99	18,890	-2,550
WYR YR 1995			-3,350

03353451 EAGLE CREEK BELOW RESERVOIR NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¼NW¼ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2 mi west of Indianapolis.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--October 1992 to current year. Published as "03353450 Eagle Creek Reservoir near Indianapolis" October 1992 to September 1994.

GAGE.--Water stage recorder located 100 ft downstream of outlet structure. Datum of gage is 741.15 ft above sea level.

REMARKS.--Mean daily discharges below 50 ft^3/s published. Unit discharges below 50 ft^3/s available in district office. For a complete record of Eagle Creek in this vicinity use records of Eagle Creek at Indianapolis, IN (station 03353500) about 4.9 mile downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.3	4.4	7.1	---	---	19	---	12	6.6	5.3	4.6
2	3.2	3.6	3.6	7.4	---	4.6	18	---	11	6.7	5.5	4.9
3	3.4	2.4	3.4	7.4	---	4.5	17	8.9	---	6.7	5.2	4.9
4	3.9	2.3	3.1	8.1	---	4.4	20	9.2	18	5.7	5.3	4.6
5	3.9	2.6	3.0	---	---	---	19	---	17	5.3	5.4	4.6
6	3.4	3.7	3.6	6.0	---	---	15	---	17	5.1	5.4	4.6
7	2.8	5.2	4.2	6.0	---	---	---	7.3	17	5.4	5.4	4.5
8	3.1	4.3	5.8	6.0	---	---	---	6.1	---	5.5	4.9	---
9	4.0	4.0	5.8	5.9	---	---	---	---	23	5.7	5.0	---
10	4.0	4.0	6.3	5.6	---	---	---	---	24	5.3	4.9	5.5
11	3.7	3.7	7.0	5.1	---	---	---	6.9	---	5.4	4.7	5.4
12	3.6	3.4	---	4.6	---	---	17	6.2	30	5.1	4.7	4.8
13	3.7	3.1	---	---	5.3	---	17	---	28	5.0	4.8	4.4
14	3.1	3.3	6.7	---	5.0	---	16	---	30	4.7	4.8	4.6
15	2.8	3.9	6.0	6.2	4.5	---	16	---	---	4.9	4.9	4.6
16	2.3	3.9	5.5	6.2	4.7	---	15	---	5.1	5.1	5.1	4.3
17	2.5	4.2	---	---	4.7	---	14	---	5.1	5.2	5.2	4.4
18	3.0	3.7	---	---	4.8	---	13	---	5.0	5.7	5.3	4.8
19	2.6	4.3	---	---	---	---	18	---	5.0	5.9	5.0	4.3
20	3.4	3.9	6.0	---	---	---	18	---	4.8	6.0	5.1	4.0
21	4.2	3.2	5.9	---	---	---	16	---	5.4	5.6	5.0	4.3
22	4.1	4.0	5.4	---	---	---	---	---	5.2	5.5	5.5	5.2
23	4.3	4.0	---	---	5.0	21	---	---	5.0	5.5	5.6	4.7
24	5.5	3.4	---	---	5.3	20	---	---	5.3	5.3	5.3	4.4
25	5.6	3.1	6.3	---	4.7	19	---	---	5.2	5.3	4.8	4.2
26	4.9	3.5	6.6	---	4.4	19	---	---	4.9	5.1	4.7	4.1
27	4.8	3.1	6.6	---	---	19	---	---	5.0	5.1	4.6	4.1
28	4.3	3.6	6.0	5.9	---	19	---	---	5.1	5.1	4.5	4.1
29	3.3	4.0	6.2	6.5	---	19	19	23	---	5.3	4.4	4.0
30	3.3	4.9	6.1	6.4	---	19	19	---	6.1	5.3	4.4	3.8
31	3.3	---	5.7	---	---	20	---	---	---	5.4	4.2	---
TOTAL	112.4	110.6	---	---	---	---	---	---	---	169.5	154.9	---
MEAN	3.63	3.69	---	---	---	---	---	---	---	5.47	5.00	---
MAX	5.6	5.2	---	---	---	---	---	---	---	6.7	5.6	---
MIN	2.3	2.3	---	---	---	---	---	---	---	4.7	4.2	---

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^2.
PERIOD OF RECORD.--November 1938 to current year.
REVISED RECORDS.--WSP 953: 1939. WSP 1625: 1958. WSP 2109: Drainage area. WDR IN-93-1: 1992.
GAGE.--Water-stage recorder. Datum of gage is 697.00 ft above sea level. 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 9.21 ft higher, (erroneously published as 7.21 ft higher in 1992 report). Oct. 1, 1967 to Sept. 30, 1992 at datum 2 ft higher.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 mi upstream (see station 03353450).
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 23.2 ft present datum, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	6.5	7.1	12	e210	139	25	83	20	10	5.5	4.3
2	2.7	7.0	5.6	16	e208	15	24	146	18	10	4.5	5.1
3	3.1	5.1	5.2	e15	e206	14	25	14	114	10	5.0	5.0
4	3.5	11	5.7	e14	207	13	25	16	39	9.0	9.2	4.7
5	5.0	27	6.0	e15	203	120	26	28	21	8.7	18	4.6
6	5.8	19	5.6	e14	196	214	20	126	26	7.9	7.8	4.5
7	5.1	10	6.5	e14	193	1080	22	14	24	7.9	14	4.1
8	4.4	8.1	7.5	e15	189	2300	21	10	87	7.6	7.3	134
9	9.4	13	20	e14	183	926	23	39	32	7.3	20	75
10	6.7	14	14	e14	181	466	27	116	30	6.8	12	7.1
11	5.8	8.1	11	e15	185	380	25	10	209	6.4	7.0	5.8
12	5.5	7.3	79	14	134	201	27	8.2	45	6.1	6.2	4.8
13	5.5	8.0	270	100	16	201	25	162	33	5.9	5.8	5.3
14	6.7	6.4	45	244	16	120	23	541	36	5.7	6.1	4.8
15	4.7	7.2	14	30	19	55	21	360	31	5.8	6.3	4.3
16	4.2	7.3	27	17	16	142	20	152	11	7.0	5.7	4.2
17	4.2	7.3	207	68	15	37	23	1590	9.4	5.9	5.7	3.9
18	4.3	7.0	232	216	15	35	24	1730	8.8	6.1	9.4	4.4
19	6.1	7.2	117	24	14	34	23	3110	7.2	6.5	6.0	4.1
20	5.2	7.4	15	227	78	33	30	612	6.4	6.5	5.8	3.9
21	6.2	12	13	242	85	32	36	591	17	9.6	6.3	3.9
22	6.3	9.8	12	240	80	29	230	216	11	7.6	6.0	4.5
23	6.0	10	55	237	17	34	133	225	10	29	6.2	5.0
24	8.9	8.8	188	231	14	28	233	70	48	12	6.9	4.2
25	9.5	7.6	15	226	12	26	169	91	17	59	6.2	3.9
26	8.3	8.0	12	220	12	25	35	56	11	11	5.7	3.9
27	10	32	12	32	16	35	180	216	12	7.3	5.6	4.0
28	10	39	12	15	187	28	170	109	10	6.5	5.3	3.8
29	5.9	11	11	15	---	28	30	55	86	6.2	5.2	3.6
30	5.6	8.0	12	14	---	26	29	109	26	6.1	5.1	3.5
31	6.0	---	11	14	---	26	---	102	---	5.8	4.5	---
TOTAL	183.8	340.1	1453.2	2584	2907	6842	1724	10707.2	1055.8	307.2	230.3	334.2
MEAN	5.93	11.3	46.9	83.4	104	221	57.5	345	35.2	9.91	7.43	11.1
MAX	10	39	270	244	210	2300	233	3110	209	59	20	134
MIN	2.7	5.1	5.2	12	12	13	20	8.2	6.4	5.7	4.5	3.5
CFSM	.03	.07	.27	.48	.60	1.27	.33	1.99	.20	.06	.04	.06
IN.	.04	.07	.31	.55	.62	1.46	.37	2.29	.23	.07	.05	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	34.1	118	169	206	240	312	310	202	139	87.9	40.4	40.0
MAX	201	851	906	1485	765	900	906	1127	904	800	490	625
(WY)	1970	1993	1991	1950	1976	1978	1964	1943	1957	1979	1958	1989
MIN	1.52	3.05	3.48	4.06	20.6	27.7	28.0	14.3	4.66	3.69	.19	.40
(WY)	1941	1941	1945	1945	1978	1941	1976	1976	1988	1968	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939 - 1995	
ANNUAL TOTAL	36238.2		28668.8			
ANNUAL MEAN	99.3		78.5		158	
HIGHEST ANNUAL MEAN					316	1974
LOWEST ANNUAL MEAN					18.8	1941
HIGHEST DAILY MEAN	3280	Apr 12	3110	May 19	9890	Dec 30 1990
LOWEST DAILY MEAN	2.7	Oct 2	2.7	Oct 2	.00	Aug 7 1941
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 29	3.8	Sep 24	.01	Aug 22 1941
INSTANTANEOUS PEAK FLOW			4020	May 19	28800	Jun 28 1957
INSTANTANEOUS PEAK STAGE			8.58	May 19	23.59	Jun 28 1957
ANNUAL RUNOFF (CFSM)	.57		.45		.91	
ANNUAL RUNOFF (INCHES)	7.75		6.13		12.33	
10 PERCENT EXCEEDS	210		202		353	
50 PERCENT EXCEEDS	14		14		40	
90 PERCENT EXCEEDS	5.6		5.0		5.7	

e Estimated

03353551 LITTLE EAGLE CREEK AT 52ND STREET AT INDIANAPOLIS, IN

LOCATION.--Lat 39°50'45", long 86°14'55", in NE¼SW¼ sec.7, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of West 52nd Street, 0.4 mi east of Lafayette Road, 1.1 mi upstream from Guion Creek, and at mile 7.2.
DRAINAGE AREA.--6.28 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 766.34 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	1.3	2.3	2.6	e3.5	e8.0	2.0	2.9	1.3	1.2	.60	.51
2	.58	1.6	1.8	1.7	e7.6	e4.5	1.8	2.6	3.8	.82	.60	.61
3	.54	.93	1.5	e1.2	e5.2	e3.5	1.7	2.1	2.5	.76	.55	.59
4	.48	8.3	1.6	e1.0	e4.0	e3.0	1.7	4.8	1.3	.75	15	.44
5	.45	37	3.4	e.90	e3.3	e16	1.4	3.9	1.1	.73	40	.39
6	.42	30	2.2	e.92	e2.8	e10	1.4	2.3	1.0	.64	5.9	.34
7	.41	5.6	7.2	e.94	e2.3	e130	1.3	1.7	7.1	.57	12	.38
8	.61	4.1	3.6	e.96	e2.0	e29	1.3	1.4	6.0	.70	4.8	18
9	7.4	19	17	e1.0	e1.7	13	1.3	6.4	1.9	.98	47	3.2
10	1.7	16	9.7	e1.2	e1.5	9.0	1.2	4.3	3.0	.96	18	1.3
11	.78	3.6	7.0	e5.0	e1.4	7.1	1.7	2.7	1.4	.58	3.4	.66
12	.67	2.4	4.0	12	e1.3	5.7	11	1.6	1.0	.50	1.8	.80
13	.79	1.7	3.2	11	e1.2	4.5	2.7	7.7	.89	.48	1.1	.87
14	3.0	1.5	2.5	13	e1.1	3.5	1.5	57	.86	.49	.90	2.2
15	1.5	1.5	2.3	10	e1.3	3.1	1.3	6.5	.80	.50	.88	.62
16	.81	1.4	24	5.4	e1.5	2.7	1.3	6.9	.80	1.8	.75	.48
17	.69	1.0	16	3.9	e1.7	2.4	6.2	206	.78	1.4	.65	.46
18	.57	1.0	6.9	7.8	e2.0	2.3	14	180	.77	.59	32	.38
19	1.0	.98	4.6	23	2.3	2.3	4.5	61	.76	.65	5.8	.36
20	1.6	1.0	3.9	33	2.4	3.5	7.2	15	.75	.52	1.4	.45
21	.81	4.1	3.2	12	2.6	2.3	20	7.6	12	6.0	.97	.40
22	.68	2.1	2.5	6.9	2.1	1.8	5.9	4.8	8.3	1.6	.73	.39
23	.59	1.1	2.1	e5.2	2.3	8.9	6.5	3.5	5.6	13	.75	.37
24	.68	.89	1.9	e4.2	2.0	3.8	14	3.4	12	5.9	.61	.32
25	1.4	.82	1.8	e3.6	1.8	2.2	9.0	4.8	2.5	57	.58	.30
26	.95	.82	1.5	e3.2	1.9	1.8	5.2	2.9	1.7	5.6	.56	.28
27	.68	49	1.5	e2.8	9.6	19	3.4	2.2	18	1.7	.53	.29
28	.64	35	1.5	e2.5	15	7.5	2.7	11	5.1	.97	.53	.45
29	.56	5.7	1.4	e2.3	---	4.0	2.4	3.0	11	.76	.79	.42
30	.54	3.3	1.3	e2.2	---	2.9	4.1	1.8	3.1	.67	2.8	.34
31	.70	---	1.4	e2.1	---	2.4	---	1.4	---	.63	.65	---
TOTAL	32.84	242.74	144.8	183.52	87.4	319.7	139.7	623.2	117.11	109.45	202.63	36.60
MEAN	1.06	8.09	4.67	5.92	3.12	10.3	4.66	20.1	3.90	3.53	6.54	1.22
MAX	7.4	49	24	33	15	130	20	206	18	57	47	18
MIN	.41	.82	1.3	.90	1.1	1.8	1.2	1.4	.75	.48	.53	.28
CFSM	.15	1.17	.67	.85	.45	1.49	.67	2.90	.56	.51	.94	.18
IN.	.18	1.30	.78	.98	.47	1.71	.75	3.34	.63	.59	1.09	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	5.81	18.4	12.9	9.66	10.8	11.9	14.4	12.6	6.57	8.77	4.55	5.40
MAX	13.3	41.1	49.8	16.5	31.1	25.0	23.4	31.0	16.2	22.5	6.54	16.3
(WY)	1991	1994	1991	1993	1990	1991	1992	1990	1993	1992	1995	1993
MIN	1.06	8.09	1.15	5.92	3.12	3.36	4.66	4.32	1.63	2.21	1.64	1.05
(WY)	1995	1995	1990	1995	1995	1994	1995	1992	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995		
ANNUAL TOTAL	2224.89		2239.69				
ANNUAL MEAN	6.10		6.14		10.1		
HIGHEST ANNUAL MEAN					13.3		1993
LOWEST ANNUAL MEAN					6.14		1995
HIGHEST DAILY MEAN	139	Apr 10	206	May 17	664	Nov 14	1993
LOWEST DAILY MEAN	.41	Oct 7	.28	Sep 26	.15	Sep 21	1991
ANNUAL SEVEN-DAY MINIMUM	.50	Oct 1	.34	Sep 21	.28	Aug 21	1991
INSTANTANEOUS PEAK FLOW			694	May 17	1550	Nov 14	1993
INSTANTANEOUS PEAK STAGE			4.83	May 17	8.30	Jul 5	1992
ANNUAL RUNOFF (CFSM)	.88		.88		1.46		
ANNUAL RUNOFF (INCHES)	11.93		12.01		19.84		
10 PERCENT EXCEEDS	11		12		20		
50 PERCENT EXCEEDS	2.3		1.9		3.1		
90 PERCENT EXCEEDS	.81		.57		.75		

e Estimated

03353560 GUION CREEK ABOVE 52ND STREET AT INDIANAPOLIS, IN

LOCATION.--Lat 39°50'45", long 86°13'57", in NW¹/₄SW¹/₄ sec.08., T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank 25 ft upstream from private bridge, 0.2 mi north of West 52nd Street along Guion Road, and 1.25 mi upstream of the confluence with Little Eagle Creek.
DRAINAGE AREA.--4.10 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 760.11 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.71	.94	.45	e1.5	2.5	.00	1.1	1.1	.91	.08	.24
2	.05	.25	.94	.38	3.3	1.6	.00	1.1	1.5	.50	.15	.27
3	.04	.20	.52	e.31	2.5	1.3	.00	.88	1.3	.32	.09	.15
4	.04	1.4	.57	e.27	1.8	1.1	.00	1.4	1.1	.26	1.8	.14
5	.03	15	.70	e.25	e1.3	2.9	.00	1.1	.91	.25	6.4	.17
6	.04	8.5	.50	e.26	e1.0	.00	.00	.93	.94	.19	2.9	.23
7	.04	1.2	1.1	e.27	e.84	.00	.00	.80	1.4	.18	3.9	.22
8	.20	.41	.74	e.28	e.72	.00	.00	.69	.72	.14	2.3	10
9	.55	4.2	5.1	e.30	e.64	.00	.00	1.5	.79	.13	9.1	1.2
10	.09	5.4	3.2	e.35	e.56	.00	.00	1.7	.99	.24	9.2	e.43
11	.07	.97	2.1	e1.1	e.50	.00	.00	1.3	.75	.33	3.0	e.25
12	.06	.43	1.1	4.2	e.46	.00	.00	1.4	.56	.84	1.8	e.52
13	.05	.30	.94	3.7	e.42	.00	.00	3.4	.41	.41	1.3	e1.0
14	.05	.23	.80	4.0	e.40	.00	.00	30	.37	.07	1.1	e1.4
15	.05	1.7	.66	3.5	e.47	.00	.00	5.3	.33	.08	.86	e.45
16	.05	.24	7.8	2.1	e.56	.00	.23	5.8	.29	.68	.83	e.29
17	.04	.17	6.7	1.3	e.68	.00	1.6	108	.31	.26	.89	e.21
18	.28	.18	2.5	3.0	e.82	.00	5.1	101	.34	.08	27	e.16
19	.72	.19	1.4	11	1.0	.00	1.9	60	.29	.05	8.3	e.13
20	.15	.27	1.0	17	1.0	.00	2.6	17	.50	.07	2.5	e.38
21	.12	1.2	.86	7.2	.88	.00	8.6	8.1	.90	.34	1.6	e.29
22	.14	.46	.79	3.9	.66	.00	2.9	4.3	.93	.14	.82	e.22
23	.13	.29	.70	e2.5	.71	.00	3.6	2.9	4.8	7.0	.63	e.17
24	.25	.29	.59	e1.8	.63	.00	6.5	2.4	3.7	2.6	.46	e.14
25	.29	.25	.52	e1.4	.66	.00	3.8	2.8	1.1	15	1.5	e.11
26	.16	.15	.45	e1.2	.65	.00	2.5	2.0	.98	4.2	2.0	e.10
27	.12	14	1.1	e1.0	2.9	.00	1.8	1.7	4.9	1.3	.52	e.16
28	.13	25	.33	e.88	5.3	.00	1.4	4.1	2.2	.63	.21	e.27
29	.11	3.3	.33	e.80	---	.00	1.2	2.0	2.5	.30	1.6	e.18
30	.13	1.6	.33	e.74	---	.00	1.4	1.5	4.0	.20	4.3	e.14
31	.30	---	.31	e.70	---	.00	---	1.2	---	.13	1.1	---
TOTAL	4.53	88.49	45.62	76.14	32.86	9.40	45.13	377.40	40.91	37.83	98.24	19.62
MEAN	.15	2.95	1.47	2.46	1.17	.30	1.50	12.2	1.36	1.22	3.17	.65
MAX	.72	25	7.8	17	5.3	2.9	8.6	108	4.9	15	27	10
MIN	.03	.15	.31	.25	.40	.00	.00	.69	.29	.05	.08	.10
CFSM	.04	.75	.38	.63	.30	.08	.38	3.11	.35	.31	.81	.17
IN.	.04	.84	.43	.72	.31	.09	.43	3.59	.39	.36	.93	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	2.06	8.85	5.22	5.05	5.27	5.87	7.31	6.84	2.86	3.66	1.66	2.23
MAX	5.45	20.8	19.6	10.6	16.4	12.5	10.7	16.7	9.27	10.5	3.32	9.03
(WY)	1991	1994	1991	1993	1990	1991	1992	1990	1993	1992	1993	1993
MIN	.15	2.95	.52	1.94	1.17	1.77	1.98	1.76	.56	.33	.15	.17
(WY)	1995	1995	1990	1992	1995	1994	1995	1992	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	1008.35		876.17			
ANNUAL MEAN	2.76		2.40		4.73	
HIGHEST ANNUAL MEAN					7.26	1993
LOWEST ANNUAL MEAN					2.57	1995
HIGHEST DAILY MEAN	71	Jan 28	108	May 17	283	Nov 14 1993
LOWEST DAILY MEAN	.03	Oct 5	.00	Mar 6	.00	Aug 28 1991
ANNUAL SEVEN-DAY MINIMUM	.04	Oct 1	.00	Mar 6	.01	Aug 23 1991
INSTANTANEOUS PEAK FLOW			263	May 17	435	Nov 14 1993
INSTANTANEOUS PEAK STAGE			5.22	May 17	7.35	May 16 1990
ANNUAL RUNOFF (CFSM)	.71		.61		1.21	
ANNUAL RUNOFF (INCHES)	9.59		8.34		16.44	
10 PERCENT EXCEEDS	6.0		4.2		9.3	
50 PERCENT EXCEEDS	.81		.65		1.4	
90 PERCENT EXCEEDS	.09		.00		.15	

e Estimated

03353583 FALCON CREEK AT 30TH ST. AT INDIANAPOLIS, IN

LOCATION.--Lat 39°48'33", long 86°13'56", in NW¼NW¼ sec.29, T.16 N., R.03 E., Marion County, Hydrologic Unit 05120201, on left bank, 150 ft downstream from bridge on West 30th Street, 0.6 mi west of Lafayette Road, and 0.6 mi upstream of confluence with Little Eagle Creek.
DRAINAGE AREA.--4.15 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 727.27 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.09	e.25	.57	e1.0	1.4	1.3	.90	1.2	1.1	.65	.65	.32
2	e.09	e.17	.50	e.76	1.5	.94	.84	1.2	2.6	.63	.58	.31
3	e.10	e.16	.49	e.54	1.2	.80	.83	1.0	1.2	.65	.46	.33
4	e.09	5.3	.85	e.41	.99	.76	.78	2.3	.95	.67	3.7	.40
5	e.09	13	.77	e.36	.77	5.0	.72	1.4	.93	.63	7.7	.40
6	e.09	2.6	.52	e.37	.64	2.4	.69	1.2	2.1	.57	1.0	.42
7	e.10	.58	1.2	e.37	.58	48	.68	1.1	1.1	.56	4.7	.51
8	e1.7	.47	.56	e.38	.55	15	.68	1.0	.79	.56	.85	21
9	e2.5	4.9	6.0	e.40	.53	4.9	.69	2.5	.81	.64	11	1.0
10	e.19	3.1	3.6	e1.5	e.48	3.2	.65	2.8	1.7	.65	2.7	.70
11	e.18	.52	e1.9	e6.0	e.46	2.4	1.5	1.3	.83	.64	.67	.68
12	e.20	.42	e1.1	e4.8	e.44	1.8	2.2	1.1	e.71	.64	.51	.67
13	e.21	.39	e.88	e4.4	e.43	1.5	.77	6.2	e.66	.59	.48	1.5
14	e.22	.34	e.74	e5.0	e.41	1.3	.71	39	e.63	.59	.46	.75
15	e.21	.28	e.64	e4.0	e.45	1.1	.69	6.1	e.61	.91	.49	e.30
16	e.21	.25	e13	e2.6	e.50	1.1	.68	23	e.60	1.8	.51	e.21
17	e.21	.20	e4.4	e1.6	e.53	.97	3.3	107	e.59	.60	.94	e.19
18	e.30	.20	e3.0	e4.0	.57	.94	5.3	101	e.58	.49	1.1	e.17
19	e.49	.20	e1.8	e11	.58	.91	1.2	51	e.57	.48	.48	e.15
20	e.19	.20	e1.5	e1.3	.63	.93	3.8	9.9	.81	.46	.44	e.19
21	e.17	2.4	e1.3	e6.4	.70	.82	7.4	4.5	4.1	2.9	.41	e.17
22	e.16	.23	e1.0	e2.5	.60	.76	2.0	2.7	1.1	1.6	.39	e.16
23	e.16	.22	e.84	e2.0	.62	3.7	5.2	2.0	2.5	5.8	.39	e.16
24	e.27	.32	e.74	e1.6	.59	1.1	4.8	2.4	5.4	1.2	.40	e.14
25	e.20	.34	e.66	e1.4	.58	.85	3.9	3.4	1.4	35	.38	e.13
26	e.17	.33	e.60	e1.3	.62	.78	1.7	1.5	1.7	1.8	.38	e.12
27	e.15	18	e.56	e.74	4.9	7.5	1.3	2.6	2.0	.73	.34	e.13
28	e.16	9.5	e.54	e.68	2.8	2.5	1.0	6.8	1.6	.61	.35	e.19
29	e.15	1.2	e.52	e.62	---	1.5	1.0	1.7	3.1	.53	.36	e.14
30	e.16	.72	e.52	e.58	---	1.2	1.5	1.5	1.0	.55	.36	e.10
31	e.36	---	e.54	.68	---	.95	---	1.2	---	.53	.33	---
TOTAL	9.57	66.79	51.84	69.29	25.05	116.91	57.41	391.6	43.77	64.66	43.51	31.64
MEAN	.31	2.23	1.67	2.24	.89	3.77	1.91	12.6	1.46	2.09	1.40	1.05
MAX	2.5	18	13	11	4.9	48	7.4	107	5.4	35	11	21
MIN	.09	.16	.49	.36	.41	.76	.65	1.0	.57	.46	.33	.10
CFSM	.10	.75	.57	.76	.30	1.28	.65	4.28	.49	.71	.48	.36
IN.	.12	.84	.65	.87	.32	1.47	.72	4.94	.55	.82	.55	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	2.05	7.25	4.80	4.31	4.43	5.68	6.86	6.46	2.84	3.52	1.72	2.12
MAX	4.37	16.0	17.8	8.64	13.7	12.3	11.4	14.8	6.59	10.0	2.40	6.22
(WY)	1991	1994	1991	1993	1990	1991	1992	1990	1993	1992	1993	1993
MIN	.31	2.23	1.66	1.44	.89	1.37	1.91	1.57	.82	.61	1.02	.52
(WY)	1995	1995	1990	1992	1995	1994	1995	1992	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995	
ANNUAL TOTAL	926.12		972.04			
ANNUAL MEAN	2.54		2.66		4.33	
HIGHEST ANNUAL MEAN					5.61	1993
LOWEST ANNUAL MEAN					2.66	1995
HIGHEST DAILY MEAN	77	Jan 28	107	May 17	226	Nov 14 1993
LOWEST DAILY MEAN	.09	Sep 30	.09	Oct 1	.00	Sep 21 1991
ANNUAL SEVEN-DAY MINIMUM	.09	Sep 30	.09	Oct 1	.07	Sep 26 1991
INSTANTANEOUS PEAK FLOW			431	May 16	528	Jun 18 1992
INSTANTANEOUS PEAK STAGE			6.12	May 16	6.60	Jun 18 1992
ANNUAL RUNOFF (CFSM)	.86		.90		1.47	
ANNUAL RUNOFF (INCHES)	11.68		12.26		19.95	
10 PERCENT EXCEEDS	5.3		4.8		9.0	
50 PERCENT EXCEEDS	.72		.73		1.2	
90 PERCENT EXCEEDS	.20		.20		.26	

e Estimated

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 downstream side of 16th Street bridge in Speedway, 0.6 mi upstream from Dry Run, and 2.3 mi upstream from mouth.
DRAINAGE AREA.--24.3 mi² (revised) including 5.57 mi² from Dry Run basin. Since June 1964 part of the flow from the 5.57 mi² of Dry Run basin has been diverted into Little Eagle Creek above gage.
PERIOD OF RECORD.--October 1959 to current year. Figures of runoff for June 1964 to September 1966 have been found to be in error and should not be used.
GAGE.--Water-stage recorder. Datum of gage is 707.82 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to June 13, 1975, at datum 3.00 ft higher.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	5.5	6.8	8.0	e9.0	12	7.3	8.4	9.4	5.9	e2.7	1.4
2	2.1	2.4	6.1	7.3	e15	8.7	6.6	8.6	15	4.1	e2.5	1.3
3	2.1	2.4	5.1	e5.6	e11	7.2	6.5	7.4	10	3.4	e2.4	2.0
4	2.2	20	5.2	e4.5	e8.0	6.7	6.5	12	7.4	3.2	39	1.6
5	2.0	80	8.6	e3.5	e6.4	31	e5.6	10	6.8	3.0	111	1.4
6	1.9	68	6.5	e3.6	e5.4	20	e5.2	8.3	7.6	2.4	18	1.3
7	1.9	14	12	e3.7	e4.8	310	e5.0	7.6	16	1.9	43	.99
8	2.3	8.3	8.9	e3.8	e4.4	123	e4.9	7.0	8.9	1.7	14	112
9	23	34	35	e3.9	e4.1	35	e4.8	14	7.1	2.7	81	7.4
10	3.5	38	22	e4.5	e3.8	21	e4.5	14	9.3	2.7	75	3.8
11	1.5	11	17	e12	e3.6	16	e6.6	10	5.6	2.2	10	2.9
12	1.4	6.7	11	24	e3.4	13	20	8.1	4.3	1.7	6.2	2.8
13	2.0	5.3	9.0	21	e3.2	12	7.4	26	3.9	1.9	4.0	6.8
14	7.8	4.5	8.0	22	e3.1	10	5.6	218	3.8	1.5	2.9	5.9
15	3.8	4.5	7.4	20	e3.2	9.3	5.2	25	3.7	3.5	3.1	3.1
16	1.9	3.8	49	13	e3.4	8.4	4.9	30	3.5	9.3	2.8	2.7
17	1.5	2.9	38	11	e3.7	7.8	16	647	3.4	3.9	2.8	e2.1
18	1.3	2.4	15	18	e4.1	7.3	31	545	3.3	1.7	77	e1.8
19	2.8	2.3	11	52	e4.8	7.2	11	299	3.3	1.5	22	e1.6
20	4.2	2.5	9.4	88	e5.8	7.9	17	60	3.4	1.5	5.6	e2.0
21	2.2	14	8.5	33	e5.0	8.0	51	31	33	19	3.8	e1.6
22	1.6	5.8	7.9	19	e4.2	7.4	14	20	24	6.7	1.9	e1.3
23	1.3	3.0	7.1	e12	e4.7	23	18	16	13	53	1.3	e1.1
24	2.6	2.3	6.6	e10	e3.9	10	37	16	70	21	1.2	e.90
25	3.4	2.0	6.4	e9.0	5.5	7.9	24	21	11	234	1.1	e.76
26	2.8	2.0	5.8	e8.2	5.5	7.2	e13	13	7.6	23	2.8	e.66
27	2.0	86	5.8	e7.6	18	42	e10	11	40	7.2	2.2	e.74
28	1.6	127	6.2	e7.0	30	17	8.1	39	14	4.7	1.1	.94
29	1.4	15	5.5	e6.6	---	11	7.7	13	30	e3.6	1.5	1.1
30	1.1	9.2	5.5	e6.2	---	9.1	9.8	9.7	17	e3.1	8.4	.90
31	1.4	---	5.5	e5.8	---	8.8	---	8.7	---	e2.9	3.3	---
TOTAL	93.6	584.8	361.8	453.8	187.0	824.9	374.2	2163.8	395.3	437.9	553.6	174.89
MEAN	3.02	19.5	11.7	14.6	6.68	26.6	12.5	69.8	13.2	14.1	17.9	5.83
MAX	23	127	49	88	30	310	51	647	70	234	111	112
MIN	1.1	2.0	5.1	3.5	3.1	6.7	4.5	7.0	3.3	1.5	1.1	.66
CFSM	.13	.82	.49	.61	.28	1.11	.52	2.92	.55	.59	.75	.24
IN.	.15	.91	.56	.71	.29	1.28	.58	3.37	.62	.68	.86	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	11.1	26.4	30.0	24.4	30.4	37.6	35.3	30.5	16.5	18.3	11.9	10.8
MAX	88.9	115	111	78.3	75.5	87.8	68.4	103	63.4	92.3	44.7	101
(WY)	1987	1994	1991	1969	1990	1978	1992	1981	1978	1979	1979	1989
MIN	.81	1.50	.85	.32	3.82	4.84	5.51	4.84	.98	.67	.15	.20
(WY)	1967	1966	1977	1977	1978	1981	1976	1976	1988	1966	1966	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	6450.3		6605.59			
ANNUAL MEAN	17.7		18.1		23.6	
HIGHEST ANNUAL MEAN					43.6	1993
LOWEST ANNUAL MEAN					4.86	1966
HIGHEST DAILY MEAN	363	Apr 11	647	May 17	1670	Nov 14 1993
LOWEST DAILY MEAN	1.1	Oct 30	.66	Sep 26	.00	Jul 8 1966
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 14	.86	Sep 24	.07	Aug 2 1966
INSTANTANEOUS PEAK FLOW			1390	May 17	3330	Jul 28 1979
INSTANTANEOUS PEAK STAGE			7.36	May 17	12.13	Jul 28 1979
ANNUAL RUNOFF (CFSM)	.74		.76		.99	
ANNUAL RUNOFF (INCHES)	10.04		10.28		13.39	
10 PERCENT EXCEEDS	35		32		49	
50 PERCENT EXCEEDS	7.6		6.6		7.8	
90 PERCENT EXCEEDS	2.2		1.7		1.3	

e Estimated

03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'52", long 86°12'02", in SE¼NE¼ sec.28, T.15N., R.3E., Marion County, Hydrologic Unit 05120201, on right bank 0.30 mi above confluence with Lick Creek and 0.31 mi above dam at Stout Generating Plant, and at mile 226.32
DRAINAGE AREA.--1,898 mi².
PERIOD OF RECORD.--Oct. 1, 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is 663.40 above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by regulation of Morse Reservoir and Geist Reservoir, and by diversion of municipal water supply by the Indianapolis Water Company.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	300	456	e380	e700	933	683	1130	1870	3750	401	282
2	227	220	365	e370	831	950	624	e1200	1800	3150	388	222
3	213	202	303	e350	928	827	604	858	1880	1930	374	212
4	196	446	266	e310	1170	674	609	824	2110	1400	562	190
5	185	997	329	e290	e1100	794	577	e900	1790	1110	1140	183
6	159	1170	262	e290	e880	1050	518	e740	1460	897	1090	197
7	175	534	310	e300	e750	e5000	477	747	1360	752	1090	204
8	182	455	322	e320	e700	e9000	491	697	1210	637	872	689
9	370	533	746	e350	e640	9670	529	709	1100	561	742	570
10	260	764	955	e360	e600	6600	1050	903	886	527	1000	498
11	258	477	948	593	e540	4620	1710	772	1210	468	628	284
12	286	368	933	754	e480	3540	2530	740	1390	411	469	232
13	283	280	1190	965	e420	2850	2650	1050	1040	386	427	e280
14	252	273	699	1560	e450	2270	2500	4600	798	366	405	e260
15	234	264	440	1310	e500	1800	1760	3950	722	522	368	e230
16	220	248	776	1150	e530	1650	1330	3150	647	608	340	e235
17	206	245	1350	1360	551	1390	1320	8240	591	616	348	e230
18	198	243	1410	1530	568	1190	1370	8950	577	459	524	e215
19	257	231	1560	1400	595	1030	1680	13700	511	394	858	e210
20	256	232	1070	2500	638	979	2090	12700	469	342	472	202
21	228	342	833	4480	675	1040	2970	12100	1110	622	394	207
22	219	281	707	4860	687	980	4040	8150	812	486	334	212
23	210	e282	611	3430	631	1230	4750	4340	960	867	301	201
24	209	267	e760	2310	559	993	3790	3240	2000	893	294	199
25	226	247	e600	e1700	504	853	2870	2950	1630	1690	272	e205
26	225	234	e440	e1300	485	717	2270	2270	1750	1990	247	e200
27	224	551	e400	e1100	586	1010	1970	2140	2720	1450	236	e200
28	219	1550	e400	e930	950	988	1790	3030	5100	1050	227	e195
29	213	813	e370	e800	---	860	1380	3290	4930	797	226	e190
30	193	607	e360	e720	---	767	1210	3200	3490	597	323	e185
31	219	---	e370	e680	---	750	---	2550	---	484	340	---
TOTAL	7041	13656	20541	38752	18648	67005	52142	113820	47923	30212	15692	7619
MEAN	227	455	663	1250	666	2161	1738	3672	1597	975	506	254
MAX	370	1550	1560	4860	1170	9670	4750	13700	5100	3750	1140	689
MIN	159	202	262	290	420	674	477	697	469	342	226	183
CFSM	.12	.24	.35	.66	.35	1.14	.92	1.93	.84	.51	.27	.13
IN.	.14	.27	.40	.76	.37	1.31	1.02	2.23	.94	.59	.31	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

MEAN	733	5013	1701	2972	1504	2681	3261	2372	1582	1773	575	682
MAX	1039	7366	2746	4718	2192	4507	4170	3672	2319	3806	812	1485
(WY)	1993	1994	1994	1993	1994	1993	1993	1995	1993	1993	1993	1993
MIN	227	455	663	1250	666	1375	1738	1517	829	538	406	254
(WY)	1995	1995	1995	1995	1995	1994	1995	1994	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1992 - 1995	
ANNUAL TOTAL	463311		433051			
ANNUAL MEAN	1269		1186		2069	
HIGHEST ANNUAL MEAN					2947	1993
LOWEST ANNUAL MEAN					1186	1995
HIGHEST DAILY MEAN	15700	Jan 29	13700	May 19	32700	Nov 17 1993
LOWEST DAILY MEAN	159	Oct 6	159	Oct 6	159	Oct 6 1994
ANNUAL SEVEN-DAY MINIMUM	171	Sep 16	191	Oct 2	171	Sep 16 1994
INSTANTANEOUS PEAK FLOW			14200	May 19	36500	Nov 17 1993
INSTANTANEOUS PEAK STAGE			8.11	May 19	13.22	Nov 17 1993
ANNUAL RUNOFF (CFSM)	.67		.63		1.09	
ANNUAL RUNOFF (INCHES)	9.08		8.49		14.81	
10 PERCENT EXCEEDS	2290		2680		4370	
50 PERCENT EXCEEDS	710		640		1140	
90 PERCENT EXCEEDS	223		221		283	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1970 to current year.
GAGE.--Water-stage recorder. Datum of gage is 742.00 ft above sea level (Indiana Flood Control and Water Resources Commission bench mark).
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	4.5	3.4	2.2	e13	20	5.0	9.3	6.4	6.6	.89	.45
2	.52	.89	3.3	1.8	37	12	4.6	12	22	4.7	2.7	.38
3	.57	1.2	2.6	e1.6	30	7.3	4.7	7.5	11	4.6	1.2	.36
4	.63	12	3.9	e1.5	19	6.0	5.8	11	6.4	4.8	7.8	.73
5	e.56	61	10	e1.4	e11	14	3.9	8.4	5.2	4.0	21	1.5
6	e.48	40	3.6	e1.3	e8.1	15	3.7	6.6	4.7	3.2	7.5	1.3
7	e.62	5.1	4.2	e1.3	e6.6	245	4.0	5.4	4.1	2.5	20	1.4
8	1.6	2.5	3.1	e1.4	e5.4	108	3.7	4.8	3.6	2.0	7.3	7.0
9	8.2	23	44	e1.5	e4.6	41	4.2	8.9	3.5	1.8	11	1.5
10	.92	32	37	e1.6	e4.2	25	3.5	8.9	4.0	1.8	7.2	.84
11	.49	7.1	20	32	e3.9	17	7.2	6.5	4.0	1.6	2.7	.67
12	.41	4.5	8.2	40	e3.6	12	34	4.7	3.0	1.4	1.9	.93
13	.40	3.9	5.8	20	e3.4	9.2	9.5	22	2.2	1.3	1.5	5.4
14	.48	2.3	5.0	31	e3.3	7.7	7.1	280	2.1	1.2	1.3	5.1
15	.61	1.9	4.0	27	e3.1	6.7	4.8	38	1.9	15	1.1	.95
16	.56	1.8	49	15	e3.1	6.2	3.9	23	2.0	8.2	1.1	.67
17	.55	1.8	41	9.3	e7.4	5.5	12	291	2.2	5.8	15	.61
18	.75	1.6	15	11	20	4.7	10	438	2.3	2.0	3.6	.53
19	1.9	1.4	8.0	51	19	4.4	6.1	167	5.3	1.2	2.7	.44
20	2.1	1.5	5.9	78	13	7.8	43	50	5.2	1.1	.71	.69
21	6.4	7.2	4.6	37	13	7.0	157	26	69	18	.50	.56
22	1.6	2.7	3.6	18	9.3	5.1	40	16	42	9.2	.39	.49
23	.76	1.9	3.1	e12	8.1	21	35	11	55	22	.34	.33
24	.78	2.9	2.8	e9.3	6.5	7.6	65	14	107	12	.31	.24
25	1.0	1.6	2.7	e8.2	5.5	5.8	30	15	33	8.5	.28	.21
26	.90	1.3	2.2	e7.7	5.4	4.5	18	8.5	51	4.2	.26	.18
27	1.6	33	2.1	e7.3	22	24	13	6.4	96	3.4	.24	.21
28	2.0	26	2.1	e6.9	48	12	9.9	108	109	3.0	.25	.20
29	1.2	4.8	2.1	e6.6	---	7.6	8.9	23	28	2.0	.35	.21
30	.84	2.8	1.8	e6.3	---	6.4	9.4	13	13	1.1	4.2	.20
31	4.8	---	2.0	e6.0	---	5.7	---	8.1	---	1.0	.67	---
TOTAL	44.75	294.19	306.1	455.2	336.5	681.2	566.9	1652.0	704.1	159.2	125.99	34.28
MEAN	1.44	9.81	9.87	14.7	12.0	22.0	18.9	53.3	23.5	5.14	4.06	1.14
MAX	8.2	61	49	78	48	245	157	438	109	22	21	7.0
MIN	.40	.89	1.8	1.3	3.1	4.4	3.5	4.7	1.9	1.0	.24	.18
CFSM	.09	.63	.63	.94	.77	1.41	1.21	3.42	1.50	.33	.26	.07
IN.	.11	.70	.73	1.09	.80	1.62	1.35	3.94	1.68	.38	.30	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	8.13	22.8	24.8	19.9	27.5	31.9	26.7	23.9	15.1	18.9	12.2	8.12
MAX	53.1	102	76.4	49.5	57.1	64.6	51.9	80.1	48.5	95.5	54.1	48.2
(WY)	1987	1994	1991	1975	1975	1978	1994	1981	1978	1992	1979	1989
MIN	1.03	1.44	2.14	1.00	4.67	5.98	3.92	1.87	.39	2.55	1.28	.53
(WY)	1983	1982	1981	1981	1978	1994	1971	1988	1988	1991	1986	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	5571.60		5360.41			
ANNUAL MEAN	15.3		14.7		20.0	
HIGHEST ANNUAL MEAN					27.6	1979
LOWEST ANNUAL MEAN					11.7	1977
HIGHEST DAILY MEAN	323	Apr 10	438	May 18	1380	Nov 14 1993
LOWEST DAILY MEAN	.40	Oct 13	.18	Sep 26	.05	Sep 19 1983
ANNUAL SEVEN-DAY MINIMUM	.50	Oct 11	.21	Sep 24	.11	Sep 13 1983
INSTANTANEOUS PEAK FLOW			807	May 14	2500	Jun 25 1978
INSTANTANEOUS PEAK STAGE			5.19	May 14	9.61	Jun 25 1978
ANNUAL RUNOFF (CFSM)	.98		.94		1.28	
ANNUAL RUNOFF (INCHES)	13.29		12.78		17.40	
10 PERCENT EXCEEDS	36		33		43	
50 PERCENT EXCEEDS	3.9		4.8		7.2	
90 PERCENT EXCEEDS	.94		.61		1.3	

e Estimated

03353630 LITTLE BUCK CREEK NEAR SOUTHPORT, IN

LOCATION.--Lat 39°40'11", long 86°04'57", in SW¹/₄SW¹/₄ sec.10, T.14 N., T.4 E., Marion County, Hydrologic Unit 05120201, on right bank 5 ft upstream from Emerson Avenue bridge in Indianapolis, 1.1 mi downstream from Bunker Creek, and 2.5 mi upstream from Derbyshire Creek.
DRAINAGE AREA.--5.75 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 783.17 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.91	.71	.53	15	3.9	3.0	4.2	4.3	5.4	.15	.00
2	.09	.39	.57	.45	17	3.1	2.4	5.5	7.5	3.7	.12	.00
3	.07	.29	.49	.36	9.5	2.7	2.2	3.8	6.1	3.1	.10	.00
4	.06	.93	.48	.30	e5.6	3.0	2.9	4.2	4.0	2.7	.66	.00
5	.01	8.0	2.3	e.30	e3.8	4.3	1.9	4.1	3.5	e2.3	4.6	.00
6	.00	12	1.2	e.32	e3.1	70	1.8	3.2	2.9	e3.3	2.4	.00
7	.00	2.3	1.2	e.34	e2.8	80	1.8	2.5	2.3	e3.6	4.0	.00
8	.00	1.3	.85	e.37	e2.4	24	1.7	2.2	1.9	e2.5	2.2	1.2
9	.56	2.7	13	e.44	e2.0	15	1.9	2.6	1.9	e1.8	1.9	.30
10	.33	4.9	11	.60	e1.7	10	1.4	3.0	1.6	e1.3	1.5	.16
11	.17	1.6	5.5	20	1.6	8.0	1.3	5.2	1.5	e.90	.63	.10
12	.11	1.0	2.7	16	1.5	6.6	12	2.8	1.6	e.63	.34	.08
13	.08	.78	1.9	6.0	1.5	5.4	4.5	6.9	1.6	e.42	.26	.74
14	.07	.67	1.5	7.0	e1.4	4.5	3.0	74	1.1	e.70	.20	1.9
15	.06	.60	1.2	7.7	e1.4	4.0	2.2	23	.92	6.6	.16	.28
16	.04	.56	16	4.3	e1.4	3.3	2.0	10	.68	3.0	.13	.16
17	.03	.50	15	3.1	e4.0	2.7	3.7	48	.55	1.7	.16	.12
18	.02	.36	4.4	3.5	13	2.5	3.5	153	.40	.96	.23	.09
19	.04	.30	2.8	20	16	2.6	2.5	153	1.0	.51	.15	.06
20	.06	.27	2.1	36	14	8.0	9.8	34	1.1	.35	.12	.05
21	.19	.88	1.5	17	6.7	3.7	132	16	34	2.8	.12	.06
22	.24	.57	1.3	7.3	5.1	5.8	29	9.0	18	1.6	.09	.09
23	.25	.36	1.1	e4.6	4.0	4.7	16	6.4	16	5.8	.08	.06
24	.21	.32	.98	e3.7	3.1	3.2	34	5.0	32	4.8	.06	.04
25	.14	.28	.80	e4.0	2.9	2.6	16	7.2	12	2.2	.03	.02
26	.10	.25	.67	e4.0	2.7	6.4	11	4.9	9.9	1.5	.02	.01
27	.09	10	.65	e3.5	13	8.0	8.3	3.7	31	.93	.00	.00
28	.11	5.4	.59	e2.9	6.2	5.1	6.4	39	32	.56	.00	.00
29	.23	1.8	.55	e2.9	---	4.1	5.2	16	14	.39	.00	.00
30	.24	1.0	.51	2.7	---	e4.1	4.7	7.8	8.5	.27	.00	.00
31	.30	---	.47	2.8	---	e3.9	---	5.3	---	.20	.00	---
TOTAL	4.02	61.22	94.02	183.01	162.4	315.2	328.1	665.5	253.85	66.52	20.41	5.52
MEAN	.13	2.04	3.03	5.90	5.80	10.2	10.9	21.5	8.46	2.15	.66	.18
MAX	.56	12	16	36	17	80	132	153	34	6.6	4.6	1.9
MIN	.00	.25	.47	.30	1.4	2.5	1.3	2.2	.40	.20	.00	.00
CFSM	.02	.36	.53	1.03	1.01	1.77	1.91	3.75	1.48	.37	.11	.03
IN.	.03	.40	.61	1.19	1.05	2.05	2.13	4.32	1.65	.43	.13	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	3.65	16.0	10.4	9.94	9.80	12.6	15.0	11.2	7.39	9.88	1.89	2.19
MAX	6.73	38.1	34.3	16.4	23.2	26.9	23.4	30.6	14.0	39.0	4.94	9.18
(WY)	1994	1994	1991	1993	1990	1991	1994	1990	1992	1992	1990	1993
MIN	.13	2.04	2.32	4.39	4.41	3.67	8.03	2.61	.18	.23	.17	.065
(WY)	1995	1995	1990	1992	1992	1994	1990	1993	1991	1991	1994	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	2147.73		2159.77			
ANNUAL MEAN	5.88		5.92		9.14	
HIGHEST ANNUAL MEAN					10.8	1993
LOWEST ANNUAL MEAN					5.92	1995
HIGHEST DAILY MEAN	199	Apr 10	153	May 18	531	Nov 14 1993
LOWEST DAILY MEAN	.00	Aug 27	.00	Oct 6	.00	Jun 27 1991
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 8	.00	Aug 27	.00	Jun 27 1991
INSTANTANEOUS PEAK FLOW			461	May 18	1260	Jul 9 1992
INSTANTANEOUS PEAK STAGE			7.19	May 18	8.93	Jul 9 1992
ANNUAL RUNOFF (CFSM)	1.03		1.03		1.60	
ANNUAL RUNOFF (INCHES)	13.94		14.02		21.68	
10 PERCENT EXCEEDS	10		13		17	
50 PERCENT EXCEEDS	1.4		1.9		2.9	
90 PERCENT EXCEEDS	.05		.06		.14	

e Estimated

03353635 DERBYSHIRE CREEK AT SOUTHPORT, IN

LOCATION.--Lat 39°40'15", long 86°07'21", in NE¼SE¼ sec.07, T.14 N., R.04 E., Marion County Hydrologic Unit 05120201, on left bank, 10 ft downstream from bridge on Derbyshire Road, and 0.3 mi upstream from mouth.
DRAINAGE AREA.--1.76 mi² (revised).
PERIOD OF RECORD.--September 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 746.37 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	.27	.29	.31	e.80	1.6	.73	1.7	1.6	1.8	.24	.13
2	.12	.11	.27	.28	3.1	1.1	.69	1.9	2.4	1.3	.21	.13
3	.11	.08	.26	e.24	2.7	1.0	.74	1.5	1.8	1.0	.19	.11
4	.08	.55	.35	e.21	1.8	.95	.75	1.8	1.3	.95	1.2	.11
5	.08	3.0	.88	e.20	1.3	1.4	.68	1.5	1.1	.85	3.2	.11
6	.08	1.7	.46	e.21	e.92	1.3	.67	1.3	.98	.90	.93	.11
7	.10	.51	.51	e.23	e.75	37	.66	1.2	.86	.71	2.6	.12
8	.17	.36	.39	e.24	e.65	14	.65	1.1	.79	.63	.89	1.2
9	.60	1.1	2.6	e.25	e.63	5.4	.65	1.3	.74	.57	1.9	.22
10	.17	1.4	2.0	e.27	e.53	3.4	.58	1.4	.66	.54	1.0	.14
11	.14	.48	1.1	2.9	e.49	2.6	.98	1.1	.64	.47	.54	.11
12	.12	.38	.66	1.5	e.47	1.9	2.3	1.0	.65	.44	.40	.10
13	.12	.32	.52	.90	e.46	1.5	.83	3.3	.62	.40	.35	.77
14	.12	.29	.43	1.2	e.45	1.3	.69	21	.64	.37	.32	.31
15	.11	.31	.41	1.1	e.50	1.2	.67	4.1	.59	.99	.30	.15
16	.10	.28	3.2	.84	e.60	1.1	.64	2.7	.57	.63	.24	.12
17	.10	.24	2.1	.68	e1.1	.96	1.1	15	.51	.43	.25	.12
18	.14	.24	.93	.83	e1.5	.87	.87	55	.52	.36	.41	.11
19	.19	.23	.65	3.1	1.7	.84	.71	20	.52	.31	.29	.10
20	.14	.22	.54	4.7	1.6	1.5	8.8	7.2	.51	.32	.26	.16
21	.12	.47	.48	2.6	1.5	1.1	24	4.1	8.5	1.4	.25	.13
22	.12	.26	.48	1.5	1.2	.83	5.5	2.8	3.2	1.2	.22	.13
23	.11	.23	.48	e1.1	1.2	2.2	5.3	2.2	2.9	2.2	.23	.12
24	.12	.21	.43	e.94	.98	1.1	8.7	2.1	3.5	.99	.21	.12
25	.16	.20	.41	e.82	.88	.90	4.5	2.1	2.4	.68	.20	.12
26	.11	.20	.37	e.73	.86	.79	3.1	1.7	6.6	.47	.18	.12
27	.10	2.0	.39	e.69	2.0	1.8	2.5	1.8	5.2	.38	.15	.12
28	.10	1.1	.32	e.66	2.8	1.2	2.0	15	10	.34	.13	.10
29	.10	.42	.31	e.63	---	.96	1.8	4.0	4.3	.30	.15	.10
30	.07	.33	.28	e.60	---	.86	1.7	2.5	2.6	.27	.17	.10
31	.31	---	.28	e.66	---	.78	---	1.9	---	.25	.15	---
TOTAL	4.34	17.49	22.78	31.12	33.47	93.44	83.49	185.3	67.20	22.45	17.76	5.59
MEAN	.14	.58	.73	1.00	1.20	3.01	2.78	5.98	2.24	.72	.57	.19
MAX	.60	3.0	3.2	4.7	3.1	37	24	55	10	2.2	3.2	1.2
MIN	.07	.08	.26	.20	.45	.78	.58	1.0	.51	.25	.13	.10
CFSM	.08	.33	.41	.56	.67	1.68	1.55	3.34	1.25	.40	.32	.10
IN.	.09	.36	.47	.65	.70	1.94	1.74	3.85	1.40	.47	.37	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	1.00	4.19	4.07	3.18	3.87	4.35	4.36	3.77	1.81	2.91	.98	.81
MAX	2.49	11.9	17.0	5.74	13.1	8.25	6.90	11.5	3.33	10.8	2.54	2.30
(WY)	1991	1994	1991	1990	1990	1991	1994	1990	1992	1992	1990	1993
MIN	.14	.58	.73	1.00	1.17	.87	2.78	.74	.28	.26	.17	.052
(WY)	1995	1995	1995	1995	1992	1994	1995	1992	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	582.26		584.43			
ANNUAL MEAN	1.60		1.60		2.94	
HIGHEST ANNUAL MEAN					4.25	1990
LOWEST ANNUAL MEAN					1.60	1995
HIGHEST DAILY MEAN	63	Apr 10	55	May 18	273	Dec 30 1990
LOWEST DAILY MEAN	.07	Oct 30	.07	Oct 30	.03	Sep 14 1991
ANNUAL SEVEN-DAY MINIMUM	.10	Oct 1	.10	Oct 1	.04	Sep 13 1991
INSTANTANEOUS PEAK FLOW			121	May 18	1010	May 15 1990
INSTANTANEOUS PEAK STAGE			3.79	May 18	5.14	Jul 9 1992
ANNUAL RUNOFF (CFSM)	.89		.89		1.64	
ANNUAL RUNOFF (INCHES)	12.10		12.15		22.28	
10 PERCENT EXCEEDS	2.4		2.8		5.1	
50 PERCENT EXCEEDS	.52		.65		.98	
90 PERCENT EXCEEDS	.16		.12		.24	

e Estimated

03353636 LITTLE BUCK CREEK AT SOUTHPORT, IN

LOCATION.--Lat 39°39'54", long 86°08'11", in SW¼SW¼ sec.7, T.14 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank 50 ft downstream from Southport Road bridge in Indianapolis.
DRAINAGE AREA.--10.8 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 725.50 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.59	1.7	1.6	1.4	10	10	6.8	10	9.1	10	.96	.43
2	.48	1.1	1.3	1.3	17	7.9	6.1	12	14	7.3	.88	.41
3	.44	.78	1.2	1.2	17	6.7	6.2	8.4	12	5.9	.79	.37
4	.39	3.6	1.7	e1.0	14	6.1	7.4	10	8.4	5.3	5.4	.36
5	e.31	18	4.8	e.65	11	8.0	5.6	9.2	7.0	4.7	13	.29
6	e.25	17	2.7	e.65	e7.4	8.6	5.2	7.5	6.0	9.4	7.8	.26
7	.38	4.6	2.8	e.66	e6.4	176	5.0	6.6	5.1	6.8	11	.28
8	1.0	2.2	2.1	e.69	e5.2	78	5.0	6.0	4.5	4.4	6.8	8.8
9	3.0	5.7	14	e.90	e4.5	33	5.1	7.5	4.3	3.7	14	2.8
10	1.1	10	15	1.5	e3.8	22	4.5	11	3.7	3.7	9.7	1.4
11	.76	3.6	11	13	e3.4	16	6.0	10	3.5	2.6	4.4	.85
12	.58	2.1	5.8	17	e3.3	13	20	7.1	3.6	2.0	2.8	.77
13	e.40	1.6	4.1	9.8	e3.2	11	9.2	20	3.3	1.6	2.1	5.6
14	e.38	1.4	3.3	10	e3.1	9.5	6.6	138	2.7	1.5	1.6	4.5
15	e.31	1.4	2.8	11	e3.1	8.4	5.4	32	2.5	7.8	1.2	1.5
16	e.36	1.2	13	7.7	e3.1	7.7	5.0	18	2.2	6.3	1.0	.82
17	.54	1.2	18	5.7	e6.4	6.8	9.2	74	2.0	3.5	.94	.55
18	.71	1.1	8.5	6.3	12	6.6	8.1	423	1.9	2.1	3.6	.45
19	1.2	.91	5.5	16	13	6.4	6.2	160	2.4	1.6	2.1	.36
20	1.3	.83	4.1	26	14	13	64	48	2.6	1.3	1.7	.62
21	1.2	2.0	3.3	19	13	11	185	24	65	7.8	1.3	.49
22	e.82	1.5	2.9	13	10	7.8	45	16	36	5.4	.90	.40
23	e.70	1.2	2.4	e10	8.8	15	34	12	18	12	.79	.31
24	e.90	1.1	2.1	e7.5	7.3	9.6	56	12	47	11	.73	.29
25	1.7	.93	1.9	e7.0	6.3	7.5	30	13	20	5.5	.66	.23
26	1.5	.82	1.7	e10	6.0	6.6	20	9.8	28	3.9	.55	.19
27	e.80	11	1.7	e8.4	8.0	15	15	8.8	53	2.6	.46	.19
28	e.48	11	1.6	e6.4	15	13	12	89	58	1.9	.46	.18
29	e.50	3.8	1.5	e9.4	---	9.9	10	25	25	1.5	.48	.16
30	1.4	2.2	1.3	e6.2	---	8.4	9.9	15	15	1.3	.61	.18
31	2.3	---	1.3	e5.6	---	7.5	---	11	---	1.0	.50	---
TOTAL	26.78	115.57	145.0	234.95	235.3	566.0	613.5	1253.9	465.8	145.4	99.21	34.04
MEAN	.86	3.85	4.68	7.58	8.40	18.3	20.4	40.4	15.5	4.69	3.20	1.13
MAX	3.0	18	18	26	17	176	185	423	65	12	14	8.8
MIN	.25	.78	1.2	.65	3.1	6.1	4.5	6.0	1.9	1.0	.46	.16
CFSM	.07	.31	.38	.62	.68	1.48	1.66	3.29	1.26	.38	.26	.09
IN.	.08	.35	.44	.71	.71	1.71	1.86	3.79	1.41	.44	.30	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	7.11	27.0	20.9	16.9	19.5	24.7	28.1	22.0	13.0	18.6	5.38	5.05
MAX	14.0	68.9	72.5	32.2	48.1	53.8	39.5	58.3	26.6	70.6	12.9	17.8
(WY)	1991	1994	1991	1993	1990	1991	1994	1990	1992	1992	1990	1993
MIN	.86	3.85	4.68	7.58	7.78	7.12	16.6	5.95	1.68	1.55	1.23	.36
(WY)	1995	1995	1995	1995	1992	1994	1990	1993	1991	1991	1994	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	3584.48		3935.45			
ANNUAL MEAN	9.82		10.8		17.3	
HIGHEST ANNUAL MEAN					19.9	1991
LOWEST ANNUAL MEAN					10.8	1995
HIGHEST DAILY MEAN	322	Apr 10	423	May 18	1110	Dec 30 1990
LOWEST DAILY MEAN	.25	Oct 6	.16	Sep 29	.13	Sep 30 1991
ANNUAL SEVEN-DAY MINIMUM	.41	Oct 1	.20	Sep 24	.16	Sep 26 1991
INSTANTANEOUS PEAK FLOW			709	May 18	2120	Dec 30 1990
INSTANTANEOUS PEAK STAGE			6.35	May 18	10.63	Nov 14 1993
ANNUAL RUNOFF (CFSM)	.80		.88		1.41	
ANNUAL RUNOFF (INCHES)	10.84		11.90		19.13	
10 PERCENT EXCEEDS	16		17		33	
50 PERCENT EXCEEDS	3.3		5.0		6.6	
90 PERCENT EXCEEDS	.77		.55		.96	

e Estimated

03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°40'00", long 86°11'48", in SW¼SW¼ sec.10, T.14 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank, 10 ft upstream from bridge on South Belmont Street, and 2.2 mi above mouth.
DRAINAGE AREA.--17.0 mi² (revised).
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 666.20 above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	2.9	1.4	1.3	e10	11	5.8	8.9	11	14	.56	.00
2	.40	.42	1.1	1.6	19	8.1	5.1	12	19	9.5	.39	.00
3	.04	.26	.90	e1.2	19	6.5	4.8	7.6	16	6.6	.23	.00
4	.00	3.0	.89	e.90	15	5.7	6.2	9.6	9.6	5.8	11	.00
5	.00	20	4.0	e.76	e11	7.8	4.1	8.4	7.4	5.4	18	.00
6	.00	22	2.1	e.82	e8.6	9.1	3.6	6.1	6.0	9.3	12	.00
7	.00	4.8	2.0	e.84	e6.8	166	3.2	4.7	4.5	8.7	17	.00
8	.00	2.1	1.6	e.88	e5.4	95	3.1	4.0	3.5	4.3	12	9.1
9	4.2	4.8	13	e.94	e4.6	39	3.4	5.3	3.1	2.9	15	2.7
10	.82	11	17	e2.5	e4.1	27	3.2	7.7	2.6	2.9	17	.66
11	.46	3.4	14	39	e3.7	21	3.2	9.2	2.3	1.8	6.4	.00
12	.04	1.8	5.4	35	e3.4	16	24	5.1	2.3	1.2	3.5	.00
13	.00	1.3	3.4	10	e3.2	13	9.7	19	2.0	.65	2.5	1.8
14	.00	1.0	2.7	9.9	e3.0	11	5.9	142	1.9	.36	1.9	6.4
15	.00	.91	2.2	12	e3.4	9.1	4.4	40	1.6	8.9	1.5	.76
16	.00	.78	11	7.5	e4.5	8.0	3.7	23	1.2	8.8	1.2	.00
17	.00	.76	23	5.0	e6.4	6.9	8.6	87	.81	2.9	1.2	.00
18	.00	.63	9.5	5.7	e9.4	6.4	7.2	434	.69	1.2	3.6	.00
19	.00	.50	5.5	16	16	6.3	5.1	216	.69	.47	2.7	.00
20	.00	.35	3.8	30	14	12	41	73	.90	.06	1.5	.00
21	.00	1.4	3.0	23	14	14	194	41	65	9.6	1.3	.00
22	.00	.76	2.4	15	11	7.5	52	28	54	7.4	.78	.00
23	.00	.65	2.2	e11	8.8	18	35	22	20	13	.51	.00
24	.00	.50	2.0	e8.4	7.0	10	62	22	61	17	.33	.00
25	.00	4.2	1.8	e7.0	5.9	7.2	34	22	25	8.5	.13	.00
26	.00	2.1	1.7	e5.8	5.3	6.0	24	14	37	3.8	.00	.00
27	.00	11	1.6	e5.0	8.8	15	18	10	52	2.0	.00	.00
28	.00	13	1.5	e5.4	17	14	13	115	74	1.3	.00	.00
29	.00	3.9	1.4	e4.9	---	9.9	11	40	34	1.2	.00	.00
30	.00	1.9	1.3	e4.5	---	7.9	9.8	26	22	.96	.00	.00
31	.00	---	1.3	e5.0	---	6.6	---	17	---	.72	.00	---
TOTAL	6.73	122.12	144.69	276.84	248.3	601.0	608.1	1479.6	541.09	161.22	132.23	21.42
MEAN	.22	4.07	4.67	8.93	8.87	19.4	20.3	47.7	18.0	5.20	4.27	.71
MAX	4.2	22	23	39	19	166	194	434	74	17	18	9.1
MIN	.00	.26	.89	.76	3.0	5.7	3.1	4.0	.69	.06	.00	.00
CFSM	.01	.25	.28	.54	.53	1.17	1.22	2.88	1.09	.31	.26	.04
IN.	.02	.27	.32	.62	.56	1.35	1.36	3.32	1.21	.36	.30	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	9.91	38.3	28.0	24.2	25.1	32.2	37.7	28.5	18.7	24.7	7.97	7.28
MAX	20.6	91.9	99.4	50.1	54.5	68.0	57.4	66.9	34.7	85.7	18.3	28.6
(WY)	1991	1994	1991	1993	1990	1991	1994	1990	1992	1992	1990	1993
MIN	.22	4.07	4.67	8.93	8.87	9.58	20.3	9.22	4.99	2.67	1.35	.13
(WY)	1995	1995	1995	1995	1995	1994	1995	1992	1991	1991	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	5165.06		4343.34			
ANNUAL MEAN	14.2		11.9		23.5	
HIGHEST ANNUAL MEAN					30.3	1993
LOWEST ANNUAL MEAN					11.9	1995
HIGHEST DAILY MEAN	401	Apr 10	434	May 18	1390	Dec 30 1990
LOWEST DAILY MEAN	.00	Sep 15	.00	Oct 4	.00	Sep 8 1991
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 15	.00	Oct 13	.00	Sep 8 1991
INSTANTANEOUS PEAK FLOW			733	May 18	2300	Dec 30 1990
INSTANTANEOUS PEAK STAGE			6.25	May 18	11.21	Nov 14 1993
ANNUAL RUNOFF (CFSM)	.85		.72		1.42	
ANNUAL RUNOFF (INCHES)	11.57		9.73		19.24	
10 PERCENT EXCEEDS	26		23		45	
50 PERCENT EXCEEDS	5.3		4.3		9.8	
90 PERCENT EXCEEDS	.08		.00		1.2	

e Estimated

03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, IN

LOCATION.--Lat 39°45'39", long 86°30'54", in NW¼NE¼ sec.10, T.15 N., R.1 W., Hendricks County, Hydrologic Unit 05120201, 600 ft upstream of U.S. Highway 36 bridge, at Danville Filtration Plant, 0.6 mi upstream from small left bank tributary, and 7 mi west of Avon.
DRAINAGE AREA.--28.8 mi². Relocation of gage changed drainage area by only .033 mi², so no change was made to the published drainage area.
PERIOD OF RECORD.--May 1958 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 828.83 ft above sea level. 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. Prior to Nov. 14, 1994, water-stage recorder on downstream side of bridge at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 16.0 ft, from floodmarks, discharge, 6,660 ft³/s, from contracted-opening measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.41	2.1	2.2	e9.0	32	12	13	10	3.3	2.8	.00
2	.12	.33	1.4	1.7	e20	24	11	12	11	2.6	2.3	.00
3	.09	.23	1.1	1.1	e15	21	10	10	10	2.2	1.9	.00
4	.06	1.3	.83	e.90	e12	18	9.5	11	7.8	2.4	2.3	.00
5	.05	3.9	.79	e.76	e9.4	29	8.1	10	7.4	2.4	10	.00
6	.04	3.2	.54	e.86	e7.6	49	8.9	8.9	7.4	1.9	6.1	.28
7	.04	1.3	.97	e1.0	e6.4	421	8.3	8.4	6.6	1.5	8.5	1.7
8	.36	1.2	.55	e1.2	e5.4	329	8.4	8.1	5.7	1.1	6.4	2.1
9	.98	2.7	2.0	e1.5	e4.8	136	8.2	12	5.2	4.2	11	.10
10	.19	2.8	9.5	e3.0	e4.4	87	7.2	11	5.1	23	25	.10
11	.14	1.6	5.6	13	e4.0	61	8.7	9.4	5.1	3.6	7.5	.01
12	.11	1.4	2.9	41	e3.6	43	15	8.1	4.9	1.8	3.9	.00
13	.08	1.0	2.4	33	e3.3	31	10	14	4.1	1.2	2.6	.11
14	.08	1.0	1.8	44	e3.1	25	8.5	48	3.8	.74	2.0	.00
15	.08	.92	1.6	45	e3.8	22	7.9	25	3.4	.69	2.7	.00
16	.08	.81	12	28	e4.5	19	7.9	25	3.1	.56	1.3	.00
17	.19	.70	57	20	e6.0	16	11	370	2.9	1.4	1.5	.00
18	.23	.65	30	18	e8.0	15	38	539	2.8	.97	1.2	.00
19	.35	.59	15	42	e11	15	27	427	3.1	.30	1.2	.00
20	.29	.59	10	72	16	15	19	160	3.1	.06	1.2	.00
21	.25	1.5	6.7	52	13	13	39	85	31	.47	.69	.00
22	.21	1.1	4.9	34	15	11	28	51	47	.47	.70	.01
23	.16	.80	4.3	e25	12	14	23	36	9.0	144	.05	.00
24	.21	.70	3.4	e16	10	11	40	29	7.2	115	.01	.00
25	.41	.67	2.9	e12	9.1	9.6	33	28	6.1	99	.00	.00
26	.28	.59	2.4	e9.4	11	9.4	25	24	4.9	54	.00	.00
27	.18	6.3	2.1	e7.6	16	20	21	17	4.6	13	.00	.00
28	.17	41	2.1	e6.2	47	26	16	20	4.6	6.9	.00	.00
29	.17	12	1.7	e5.2	---	18	14	15	4.2	5.2	.00	.00
30	.15	5.0	1.3	e4.3	---	15	14	12	4.2	3.8	.00	.00
31	.17	---	1.8	e5.6	---	13	---	11	---	3.4	.00	---
TOTAL	6.04	96.29	191.68	547.52	290.4	1568.0	497.6	2057.9	235.3	501.16	102.85	4.41
MEAN	.19	3.21	6.18	17.7	10.4	50.6	16.6	66.4	7.84	16.2	3.32	.15
MAX	.98	41	57	72	47	421	40	539	47	144	25	2.1
MIN	.04	.23	.54	.76	3.1	9.4	7.2	8.1	2.8	.06	.00	.00
CFSM	.01	.11	.21	.61	.36	1.76	.58	2.30	.27	.56	.12	.01
IN.	.01	.12	.25	.71	.38	2.03	.64	2.66	.30	.65	.13	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1995, BY WATER YEAR (WY)

MEAN	9.60	30.3	40.6	36.3	47.6	60.9	51.3	35.9	17.0	19.8	8.78	6.71
MAX	82.0	156	154	131	151	145	119	130	75.9	134	69.4	109
(WY)	1987	1986	1991	1974	1990	1978	1964	1981	1974	1979	1979	1989
MIN	.000	.053	.035	.062	2.82	8.86	9.14	3.87	.51	.14	.026	.003
(WY)	1965	1965	1964	1977	1964	1994	1971	1976	1988	1991	1964	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1959 - 1995	
ANNUAL TOTAL	4782.18		6099.15			
ANNUAL MEAN	13.1		16.7		30.4	
HIGHEST ANNUAL MEAN					55.7	1973
LOWEST ANNUAL MEAN					6.35	1966
HIGHEST DAILY MEAN	432	Apr 11	539	May 18	1790	Jul 14 1962
LOWEST DAILY MEAN	.03	Sep 19	.00	Aug 25	.00	Oct 3 1960
ANNUAL SEVEN-DAY MINIMUM	.04	Sep 16	.00	Aug 25	.00	Oct 3 1960
INSTANTANEOUS PEAK FLOW			1100	May 18	3330	Jul 14 1962
INSTANTANEOUS PEAK STAGE			6.39	May 18	12.13	Jul 13 1979
ANNUAL RUNOFF (CFSM)	.45		.58		1.05	
ANNUAL RUNOFF (INCHES)	6.18		7.88		14.32	
10 PERCENT EXCEEDS	27		31		70	
50 PERCENT EXCEEDS	3.1		4.4		8.1	
90 PERCENT EXCEEDS	.18		.06		.20	

e Estimated

03353800 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^2.
PERIOD OF RECORD.--August 1957 to current year.
GAGE.--Water-stage recorder. Datum of gage is 644.64 ft above sea level. Dec. 10, 1963 to Sept. 30, 1964, nonrecording gage at bridge 1,950 ft upstream at datum 1.39 ft higher.
REMARKS.--Records good except for Sept. 8-30 which are fair, and estimated daily discharges which are poor. Pumpage from a well field above gage affects low flows.
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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	54	33	e70	152	97	98	133	64	19	e8.6
2	12	12	43	31	112	126	91	98	129	55	17	e7.8
3	10	11	37	29	141	107	86	86	130	46	16	e7.2
4	9.4	16	33	e23	138	98	87	86	118	44	23	e6.8
5	9.1	55	32	e20	e105	105	76	88	105	43	28	e6.6
6	9.2	131	30	e21	e86	161	72	78	99	39	40	e6.4
7	9.3	88	30	e21	e76	908	71	70	98	34	57	e8.0
8	9.6	51	31	e22	e68	2040	69	65	91	31	63	15
9	16	41	37	e23	e60	761	70	78	84	30	40	32
10	20	62	62	e24	e56	497	66	88	76	84	85	20
11	16	69	72	32	e52	368	64	82	72	53	48	14
12	13	49	59	86	e49	286	87	71	71	37	31	11
13	12	36	48	104	e47	221	83	94	66	30	23	9.9
14	11	31	42	105	e45	183	70	969	60	27	19	11
15	11	29	39	147	e52	159	63	454	56	26	17	14
16	11	27	42	130	e60	143	60	265	54	26	18	9.3
17	9.4	24	122	100	e68	129	77	1740	48	23	16	7.9
18	9.4	22	134	91	88	115	100	2290	44	22	21	6.3
19	11	20	96	105	95	106	184	3350	43	20	27	5.6
20	13	20	74	204	99	105	134	1070	44	20	21	5.8
21	12	24	63	238	103	101	201	652	80	24	19	6.7
22	11	27	56	171	91	92	202	444	166	23	15	6.9
23	11	24	50	e120	84	166	153	320	101	52	13	5.8
24	11	22	46	e100	78	132	258	265	165	357	e12	5.4
25	11	20	43	e84	70	102	219	244	161	118	e13	5.2
26	11	19	40	e76	66	91	173	209	105	122	e11	4.8
27	11	24	38	e70	72	106	144	183	86	71	e10	4.6
28	12	137	36	e66	134	162	122	241	71	46	e9.4	4.5
29	12	137	34	e64	---	137	105	191	90	34	e10	4.3
30	11	78	33	e62	---	117	103	163	80	26	e9.6	4.3
31	11	---	32	e60	---	106	---	143	---	22	e9.2	---
TOTAL	359.4	1318	1588	2462	2265	8082	3387	14275	2726	1649	760.2	265.7
MEAN	11.6	43.9	51.2	79.4	80.9	261	113	460	90.9	53.2	24.5	8.86
MAX	20	137	134	238	141	2040	258	3350	166	357	85	32
MIN	9.1	11	30	20	45	91	60	65	43	20	9.2	4.3
CFSM	.05	.21	.24	.37	.38	1.23	.53	2.17	.43	.25	.12	.04
IN.	.06	.23	.28	.43	.40	1.42	.59	2.50	.48	.29	.13	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1995, BY WATER YEAR (WY)

MEAN	70.0	210	280	257	330	434	380	278	146	146	84.7	58.2
MAX	547	1193	975	845	942	1154	1327	997	550	764	567	712
(WY)	1987	1994	1991	1969	1971	1963	1964	1981	1974	1979	1979	1989
MIN	5.97	9.86	8.83	9.60	35.7	98.2	83.1	46.3	12.9	11.7	5.10	3.51
(WY)	1965	1968	1964	1977	1964	1966	1971	1976	1988	1966	1966	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1957 - 1995	
ANNUAL TOTAL	51577.8		39137.3			
ANNUAL MEAN	141		107		223	
HIGHEST ANNUAL MEAN					372	1974
LOWEST ANNUAL MEAN					51.1	1966
HIGHEST DAILY MEAN	3430	Jan 28	3350	May 19	12100	Dec 30 1990
LOWEST DAILY MEAN	4.3	Sep 22	4.3	Sep 29	.68	Aug 27 1988
ANNUAL SEVEN-DAY MINIMUM	5.1	Sep 16	4.7	Sep 24	1.8	Sep 24 1988
INSTANTANEOUS PEAK FLOW			5980	May 19	19000	Jul 13 1979
INSTANTANEOUS PEAK STAGE			17.16	May 19	23.31	Jul 13 1979
ANNUAL RUNOFF (CFSM)	.67		.51		1.05	
ANNUAL RUNOFF (INCHES)	9.05		6.87		14.30	
10 PERCENT EXCEEDS	239		165		467	
50 PERCENT EXCEEDS	71		56		88	
90 PERCENT EXCEEDS	11		11		13	

e Estimated

03354000 WHITE RIVER NEAR CENTERTON, IN

(National stream-quality accounting network station)

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1925 to September 1930 (gage heights only), October 1930 to March 1932, October 1946 to current year. Monthly discharge only for October and November 1946, published in WSP 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.
REVISED RECORDS.--WSP 1335: 1948-49. WSP 1909: 1931(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 595.44 ft above sea level (Corps of Engineers bench mark), levels by Indianapolis Power and Light Co. See WSP 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.--Records good except for estimated daily discharges, which are fair. Flow regulated by upstream reservoirs.
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 Corps of Engineers), discharge, 90,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	314	857	636	1160	1540	1270	1770	2990	3450	752	480
2	377	332	752	620	1300	1440	1210	1870	2720	3470	694	418
3	352	304	648	e580	1410	1440	1150	1630	2790	2590	657	391
4	347	338	587	e540	1490	1260	1170	1490	2720	1960	654	369
5	324	734	620	e500	e1300	1200	1100	1500	2640	1650	1080	361
6	323	1290	612	e480	e1200	1580	1050	1440	2290	1450	1590	369
7	313	1030	568	e470	e1100	4480	1000	1340	2060	1300	1400	376
8	299	774	626	e480	e1040	10900	1010	1200	1930	1140	1600	615
9	369	718	678	e500	e960	10700	1080	1210	1810	1020	1190	987
10	418	964	1110	e540	e920	9400	1100	1280	1590	995	2220	881
11	349	896	1170	608	e860	6040	1570	1350	1550	909	1340	698
12	354	727	1090	1080	e820	4560	2460	1200	1770	820	1010	533
13	359	639	1090	1070	e780	3730	2520	1320	1610	761	844	501
14	347	561	1090	1180	e760	3170	2650	7020	1410	715	741	558
15	328	551	859	1500	e800	2660	2190	4820	1290	713	688	488
16	324	511	813	1320	e900	2380	1820	4080	1190	1030	631	420
17	312	474	1380	1290	e1000	2170	1950	9120	1090	1020	598	383
18	313	458	1490	1410	1120	1930	1870	15000	1020	894	651	357
19	327	443	1530	1410	1230	1770	2010	19600	990	738	999	350
20	356	412	1380	1970	1250	1670	2290	17400	959	679	881	350
21	324	430	1150	3040	1290	1690	5090	15700	1050	823	727	365
22	320	577	1010	4270	1230	1640	3710	13800	2240	847	616	361
23	303	466	924	3670	1210	1970	5100	7440	1390	881	555	353
24	290	444	910	2650	1100	1820	5290	4870	1860	1910	527	330
25	291	400	941	2060	1020	1540	3860	4420	2790	1340	500	321
26	310	382	764	1720	980	1390	3240	3700	2170	e2600	480	324
27	307	410	727	1540	962	1430	2700	3250	2250	e2000	459	321
28	290	1240	692	1410	1350	1730	2440	5840	4060	e1600	450	310
29	289	1310	666	1360	---	1550	2140	4320	4860	1240	453	293
30	277	1000	661	1230	---	1430	1890	4180	4020	1020	460	284
31	272	---	649	1170	---	1340	---	3630	---	860	505	---
TOTAL	10147	19129	28044	42304	30542	91550	67930	166790	63109	42425	25952	13147
MEAN	327	638	905	1365	1091	2953	2264	5380	2104	1369	837	438
MAX	418	1310	1530	4270	1490	10900	5290	19600	4860	3470	2220	987
MIN	272	304	568	470	760	1200	1000	1200	959	679	450	284
CFSM	.13	.26	.37	.56	.45	1.21	.93	2.20	.86	.56	.34	.18
IN.	.15	.29	.43	.64	.46	1.39	1.03	2.54	.96	.65	.40	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1995, BY WATER YEAR (WY)

MEAN	850	1909	2634	3286	3832	4611	4395	2922	2268	1839	1134	906
MAX	3709	11760	8248	17760	10430	10390	11530	7563	10270	6629	6001	8417
(WY)	1987	1994	1958	1950	1950	1963	1964	1981	1958	1979	1979	1989
MIN	281	320	305	302	460	1207	1097	799	419	344	338	213
(WY)	1964	1954	1964	1977	1964	1966	1971	1976	1988	1954	1966	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1948 - 1995	
ANNUAL TOTAL	677603		601069			
ANNUAL MEAN	1856		1647		2541	
HIGHEST ANNUAL MEAN					4115	1950
LOWEST ANNUAL MEAN					812	1954
HIGHEST DAILY MEAN	20300	Apr 12	19600	May 19	47100	Apr 22 1964
LOWEST DAILY MEAN	272	Oct 31	272	Oct 31	138	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	291	Oct 25	291	Oct 25	157	Sep 27 1954
INSTANTANEOUS PEAK FLOW			20900	May 19	50500	Apr 22 1964
INSTANTANEOUS PEAK STAGE			14.13	May 19	18.38	Dec 31 1990
ANNUAL RUNOFF (CFSM)	.76		.67		1.04	
ANNUAL RUNOFF (INCHES)	10.31		9.15		14.13	
10 PERCENT EXCEEDS	3290		3330		5690	
50 PERCENT EXCEEDS	1090		1080		1350	
90 PERCENT EXCEEDS	345		351		405	

e Estimated

03354000 WHITE RIVER NEAR CENTERTON, IN
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL ANALYSIS: October 1986 to current year.
WATER TEMPERATURE: September 1953 to April 1956, October 1966 to September 1967, May 1970 to September 1972, October 1977 to July 1980, October 1982 to June 1985.
SEDIMENT DISCHARGE: March 1965 to September 1977, October 1986 to current year (partial-record station).

EXTREMES FOR PERIOD OF RECORD.--Water temperature: Maximum, 33 °C July 3, 1970; minimum, -0.5 °C, several days during winters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC											
08...	1500	598	1160	8.0	6.5	10.0	754	9.6	86	4.6	670
JAN											
25...	1505	2090	757	7.9	4.0	1.0	758	12.9	92	17	1300
MAR											
15...	1450	2560	751	8.0	17.5	12.0	757	10.2	95	16	400
APR											
19...	1300	2030	797	8.1	13.0	16.5	747	10.5	109	4.8	400
JUL											
27...	1330	1720	696	7.9	34.0	28.5	744	8.0	106	25	3900
AUG											
17...	1115	655	1060	8.1	32.0	29.0	744	11.4	152	5.0	140

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS FIX END FIELD CAC03 (MG/L) (39036)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
DEC										
08...	45	310	13	81	27	110	7.8	300	300	366
JAN										
25...	530	260	82	66	22	53	4.2	170	174	212
MAR										
15...	61	300	110	77	25	39	3.7	190	190	232
APR										
19...	35	280	81	74	24	48	4.1	200	203	245
JUL										
27...	290	240	69	60	21	48	4.2	160	167	204
AUG										
17...	74	300	100	79	25	93	7.3	200	200	244

DATE	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
DEC										
08...	0	39	130	0.6	7.4	700	597	1130	0.11	2.6
JAN										
25...	0	66	85	0.3	6.4	448	425	2530	0.03	3.7
MAR										
15...	0	68	64	0.3	6.8	451	417	3120	0.03	4.1
APR										
19...	1	77	71	0.4	4.5	468	445	2570	0.06	4.4
JUL										
27...	0	64	65	0.3	5.7	402	375	1870	0.06	1.3
AUG										
17...	0	120	110	0.5	5.2	618	573	1090	0.12	2.5

03354000 WHITE RIVER NEAR CENTERTON, IN --Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
DEC										
08...	0.48	1.3	0.89	0.79	0.69	--	--	--	--	--
JAN										
25...	0.26	0.8	0.17	0.12	0.13	20	56	4	48	5
MAR										
15...	0.16	0.9	0.28	0.15	0.13	20	62	<3	20	<4
APR										
19...	0.03	0.8	0.42	0.36	0.33	--	--	--	--	--
JUL										
27...	0.07	1.1	0.32	0.15	0.15	80	59	<3	10	<4
AUG										
17...	0.03	1.0	0.51	0.51	0.48	20	61	3	20	11

DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC										
08...	--	--	--	--	--	--	--	11	18	63
JAN										
25...	20	10	4	1	<1	230	<6	26	147	67
MAR										
15...	23	10	2	1	<1	240	<6	45	311	70
APR										
19...	--	--	--	--	--	--	--	39	212	70
JUL										
27...	6	20	3	<1	<1	220	<6	69	320	85
AUG										
17...	12	10	7	1	<1	260	<6	20	35	87

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 at downstream side of county road bridge at the south edge of Spencer, 3.3 mi upstream from McBrides Creek, and at mile 165.9.

DRAINAGE AREA.--2,988 mi^2, revised.

PERIOD OF RECORD.--July 1925 to September 1971 (discharge), October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 526.04 ft above sea level. Prior to Dec. 26, 1940, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.99 ft Jan. 1, 1991; minimum gage height, 0.88 ft Sept. 25, 30, and Oct. 1, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.5 ft Mar. 26, 1913, from flood marks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.62 ft May 20; minimum gage height, 2.50 ft Oct. 31.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.78	2.51	3.74	3.19	4.78	4.72	4.51	5.62	7.16	6.83	3.53	3.30
2	2.74	2.71	3.55	3.12	5.02	4.59	4.40	5.67	7.22	6.98	3.46	3.22
3	2.69	2.70	3.40	3.08	5.06	4.58	4.31	5.47	7.35	6.22	4.83	3.16
4	2.66	2.79	3.29	3.01	4.97	4.36	4.30	5.26	6.74	5.49	4.56	3.11
5	2.65	3.14	3.26	3.10	4.82	4.30	4.19	5.29	6.59	5.06	5.36	3.07
6	2.62	3.94	3.31	3.05	4.58	4.68	4.12	5.10	6.12	4.74	6.48	3.05
7	2.60	3.99	3.22	2.94	4.46	11.17	4.02	4.97	5.79	4.52	9.86	3.04
8	2.60	3.52	3.25	2.94	---	14.37	5.50	4.70	5.59	4.30	8.51	3.08
9	2.58	3.55	3.46	2.94	---	15.19	5.76	4.70	5.42	4.10	8.78	3.99
10	2.75	3.84	4.19	2.95	4.19	14.80	4.84	4.69	5.17	3.99	8.40	3.79
11	2.66	3.88	4.32	3.31	4.09	11.15	5.21	4.79	5.04	3.93	7.00	3.63
12	2.60	3.59	4.18	3.99	3.95	9.15	6.37	4.51	5.24	3.78	6.10	3.33
13	2.64	3.52	4.08	4.01	3.81	8.07	6.37	4.80	5.07	3.64	5.55	3.23
14	2.61	3.41	4.10	4.03	3.66	7.29	6.46	10.86	4.83	3.56	5.22	3.20
15	2.58	3.34	3.82	4.67	4.10	6.63	5.94	9.08	4.64	3.50	5.00	3.19
16	2.58	3.28	3.90	4.50	4.92	6.14	5.44	8.48	4.50	3.87	5.11	3.12
17	2.57	3.22	---	4.33	4.49	5.84	6.40	12.23	4.32	3.87	5.03	3.04
18	2.57	3.18	---	4.43	4.44	5.50	6.50	17.92	4.18	3.79	4.77	2.98
19	2.57	3.11	---	4.61	4.55	5.27	6.14	20.08	4.10	3.54	5.01	2.96
20	2.62	3.07	4.52	5.10	4.60	5.09	6.72	20.38	4.11	3.42	5.45	2.95
21	2.58	3.08	4.19	6.09	4.62	5.10	12.34	19.10	4.23	3.38	5.00	2.95
22	2.58	3.23	3.97	7.59	4.48	5.04	10.13	17.95	5.75	3.68	4.73	2.93
23	2.54	3.10	3.83	7.44	4.43	5.23	11.42	15.49	4.67	3.55	4.25	2.93
24	2.54	2.91	3.71	6.33	4.26	5.28	12.13	9.77	5.00	5.08	3.95	2.90
25	2.54	2.82	3.79	5.57	4.09	4.90	9.90	9.01	6.71	4.33	3.86	2.86
26	2.52	2.77	3.57	5.18	4.00	4.69	8.50	8.17	5.55	5.50	3.78	2.86
27	2.55	3.10	3.45	4.92	3.98	4.74	7.28	7.86	5.47	4.96	3.73	2.84
28	2.53	3.66	3.41	5.59	4.36	5.22	6.68	12.60	7.01	4.66	3.70	2.83
29	2.51	4.38	3.34	5.39	---	4.95	6.22	9.86	8.21	4.26	3.69	2.80
30	2.51	3.95	3.30	4.93	---	4.76	5.81	8.82	7.84	3.96	3.62	2.78
31	2.53	---	3.30	4.69	---	4.62	---	7.98	---	3.70	3.29	---
MEAN	2.60	3.31	---	4.42	---	6.69	6.60	9.39	5.65	4.39	5.21	3.10
MAX	2.78	4.38	---	7.59	---	15.19	12.34	20.38	8.21	6.98	9.86	3.99
MIN	2.51	2.51	---	2.94	---	4.30	4.02	4.51	4.10	3.38	3.29	2.78

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 mi².
PERIOD OF RECORD.--July 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 820.44 ft above sea level (Indiana Department of Highways bench mark).
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.03	.44	.50	1.5	2.3	2.0	1.8	1.2	.61	.02	.01
2	.00	.02	.37	.30	3.0	1.5	2.1	1.6	1.2	.44	.02	.01
3	.00	.02	.31	e.19	2.5	1.3	1.9	1.1	1.3	.37	.02	.01
4	.00	.04	.28	e.13	1.8	1.1	1.5	1.6	.94	.36	.02	.00
5	.00	.16	.27	e.11	e1.1	3.6	1.4	1.3	.90	.27	.03	.00
6	.00	.18	.24	e.12	e.84	4.7	1.7	.95	.85	.18	.02	.00
7	.00	.07	.37	e.13	e.66	76	1.6	.79	.73	.08	.03	.00
8	.00	.05	.29	e.15	e.56	21	1.8	.73	.63	.04	.02	.10
9	.04	.17	.62	e.17	e.49	11	1.6	1.5	.58	.04	.35	.02
10	.02	.20	.74	e.21	e.44	8.6	1.4	.95	.67	.27	.21	.01
11	.01	.10	.56	2.8	e.40	7.1	1.9	.85	.61	.03	.02	.01
12	.01	.08	.47	3.3	e.37	5.7	3.2	.74	.56	.03	.02	.01
13	.01	.06	.44	2.1	e.35	4.9	1.9	2.2	.46	.02	.02	.01
14	.01	.06	.39	3.9	e.34	4.3	1.6	2.4	.37	.02	.02	.01
15	.01	.06	.38	3.5	e.40	3.6	1.5	1.1	.29	.02	.02	.00
16	.00	.06	2.1	2.0	e.46	3.0	1.5	2.0	.22	.02	.02	.00
17	.00	.05	4.1	1.5	e.56	2.4	2.8	15	.16	.02	2.0	.01
18	.00	.05	1.8	1.6	e.70	2.0	3.8	46	.13	.02	2.1	.00
19	.02	.05	1.1	4.7	.85	2.0	2.5	21	.12	.02	.77	.00
20	.01	.05	.91	6.4	.95	1.8	2.8	11	.09	.02	.09	.00
21	.01	.08	.75	4.4	.82	1.4	4.1	7.5	.21	.02	.03	.00
22	.01	.07	.68	2.6	.76	1.3	2.9	5.6	.51	.02	.02	.01
23	.01	.06	.64	e1.6	.83	2.9	3.1	4.7	.27	.02	.02	.00
24	.01	.06	.56	e1.1	.65	1.7	3.9	4.1	1.3	.02	.02	.00
25	.02	.06	.51	e.90	.65	1.5	2.8	3.5	.72	.67	.02	.00
26	.01	.06	.46	e.80	.72	1.6	2.4	2.7	.48	.06	.02	.04
27	.01	6.3	.45	e.72	1.7	3.8	2.4	2.4	4.2	.02	.02	.01
28	.01	7.4	.43	e.66	4.5	3.4	1.8	3.6	3.5	.02	.02	.00
29	.01	1.1	.37	e.62	---	2.6	1.6	2.1	1.2	.02	.02	.00
30	.01	.60	.35	e.58	---	2.3	1.9	1.7	.99	.02	.02	.00
31	.02	---	.44	e.70	---	2.1	---	1.4	---	.02	.02	---
TOTAL	0.27	17.35	21.82	48.49	28.90	192.5	67.4	153.91	25.39	3.79	6.05	0.27
MEAN	.009	.58	.70	1.56	1.03	6.21	2.25	4.96	.85	.12	.20	.009
MAX	.04	7.4	4.1	6.4	4.5	76	4.1	46	4.2	.67	2.1	.10
MIN	.00	.02	.24	.11	.34	1.1	1.4	.73	.09	.02	.02	.00
CFSM	.00	.19	.23	.52	.34	2.07	.75	1.65	.28	.04	.07	.00
IN.	.00	.22	.27	.60	.36	2.39	.84	1.91	.31	.05	.08	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	1.26	4.35	5.21	3.66	5.70	6.82	5.45	3.86	2.02	2.47	1.29	1.20
MAX	5.80	20.6	18.4	13.5	17.1	19.1	10.7	16.1	6.53	12.9	7.90	12.8
(WY)	1987	1986	1991	1974	1971	1978	1992	1981	1973	1979	1979	1989
MIN	.000	.019	.011	.000	.76	1.46	.92	.14	.007	.019	.001	.000
(WY)	1989	1977	1977	1977	1978	1981	1971	1976	1988	1988	1991	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	795.60		566.14			
ANNUAL MEAN	2.18		1.55		3.59	
HIGHEST ANNUAL MEAN					5.71	1973
LOWEST ANNUAL MEAN					1.55	1995
HIGHEST DAILY MEAN	86	Apr 11	76	Mar 7	218	Nov 19 1985
LOWEST DAILY MEAN	.00	Aug 30	.00	Oct 1	.00	Aug 18 1970
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 2	.00	Oct 1	.00	Aug 26 1970
INSTANTANEOUS PEAK FLOW			172	Mar 7, May 18	940	Sep 14 1989
INSTANTANEOUS PEAK STAGE			3.39	Mar 7, May 18	6.50	Sep 14 1989
ANNUAL RUNOFF (CFSM)	.73		.52		1.20	
ANNUAL RUNOFF (INCHES)	9.87		7.02		16.24	
10 PERCENT EXCEEDS	4.2		3.4		7.3	
50 PERCENT EXCEEDS	.56		.44		1.0	
90 PERCENT EXCEEDS	.00		.01		.02	

e Estimated

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^2.
PERIOD OF RECORD.--July 1949 to current year. Published as Eel River near Reelsville, October 1952 to September 1956.
REVISED RECORDS.--WSP 1335: 1950. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 588.24 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Dec. 10, 1949, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated by Soil Conservation Service control structures on tributaries to Little Walnut Creek beginning in 1971.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	118	59	116	162	171	173	195	167	22	16
2	14	18	94	e49	139	139	163	173	186	125	20	15
3	13	16	78	e40	156	116	156	159	213	99	19	14
4	12	20	68	e34	157	107	154	158	183	89	22	13
5	12	40	61	e33	e110	118	143	158	163	84	30	13
6	12	64	56	e34	e84	171	136	145	153	75	27	120
7	12	53	58	e35	e76	2860	136	135	146	65	53	135
8	12	43	55	e37	e72	4200	134	127	142	58	56	156
9	16	35	66	e40	e68	1720	141	171	138	53	210	151
10	16	50	79	e47	e64	1040	130	165	127	49	365	147
11	15	44	90	65	e62	743	126	153	144	49	95	147
12	14	46	89	131	e60	565	152	143	146	48	65	145
13	14	37	77	151	e58	444	143	189	126	37	46	143
14	14	32	68	158	e56	369	129	548	113	38	34	141
15	14	30	63	191	e62	319	122	383	104	36	28	136
16	13	27	73	189	e72	283	118	334	96	34	23	132
17	13	25	140	155	e82	255	196	1110	90	36	22	129
18	13	23	197	141	102	230	211	2930	85	35	33	125
19	13	22	161	155	102	214	228	4280	81	33	119	121
20	13	21	129	246	90	204	226	1710	80	30	98	118
21	13	25	109	311	92	193	251	1030	83	31	53	113
22	13	26	97	242	83	179	246	688	143	30	37	108
23	13	23	88	e170	82	220	230	504	101	60	30	103
24	13	21	82	e130	78	206	325	410	85	64	24	98
25	13	20	75	e110	71	177	307	361	133	52	22	91
26	13	19	70	e100	67	164	266	318	136	77	19	84
27	14	25	66	e94	81	182	233	278	119	60	18	70
28	14	331	60	e90	138	231	208	293	179	41	17	39
29	14	297	58	e86	---	221	185	293	174	34	17	17
30	14	169	55	e82	---	198	179	246	209	27	17	15
31	14	---	53	e94	---	183	---	213	---	23	17	---
TOTAL	419	1620	2633	3499	2480	16413	5545	17978	4073	1739	1658	2855
MEAN	13.5	54.0	84.9	113	88.6	529	185	580	136	56.1	53.5	95.2
MAX	16	331	197	311	157	4200	325	4280	213	167	365	156
MIN	12	16	53	33	56	107	118	127	80	23	17	13
CFSM	.04	.17	.26	.35	.27	1.62	.57	1.78	.42	.17	.16	.29
IN.	.05	.18	.30	.40	.28	1.87	.63	2.05	.46	.20	.19	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

MEAN	102	288	418	463	521	647	594	439	298	223	131	121
MAX	642	1655	1602	2947	1402	1636	1459	1423	2183	1221	1047	1248
(WY)	1987	1986	1991	1950	1950	1978	1957	1981	1957	1979	1979	1989
MIN	4.79	13.7	9.71	13.6	65.1	151	142	69.5	26.7	19.4	9.49	4.76
(WY)	1965	1964	1964	1977	1964	1966	1971	1976	1988	1954	1966	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	81049		60912			
ANNUAL MEAN	222		167		353	
HIGHEST ANNUAL MEAN					640	1950
LOWEST ANNUAL MEAN					76.0	1954
HIGHEST DAILY MEAN	5090	Apr 12	4280	May 19	18600	Jun 29 1957
LOWEST DAILY MEAN	12	Oct 4	12	Oct 4	1.4	Sep 8 1954
ANNUAL SEVEN-DAY MINIMUM	12	Oct 2	12	Oct 2	2.3	Oct 6 1988
INSTANTANEOUS PEAK FLOW			6150	Mar 7	30700	Jun 28 1957
INSTANTANEOUS PEAK STAGE			13.24	Mar 7	18.63	Jun 28 1957
ANNUAL RUNOFF (CFSM)	.68		.51		1.08	
ANNUAL RUNOFF (INCHES)	9.25		6.95		14.71	
10 PERCENT EXCEEDS	372		246		764	
50 PERCENT EXCEEDS	115		90		149	
90 PERCENT EXCEEDS	20		16		23	

e Estimated

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 left bank at downstream side of bridge on U.S. Highway 231, 3 mi east of Cataract, and at mile 17.5.
DRAINAGE AREA.--245 mi².
PERIOD OF RECORD.--July 1949 to current year.
REVISED RECORDS.--WSP 1505: 1956(P). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 706.40 ft above sea level. 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.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum instantaneous gage height may have occurred Dec. 30, 1990, during period of no gage height record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	6.2	39	32	e140	182	132	130	135	123	8.6	5.6
2	4.4	6.8	30	26	e280	132	120	134	129	69	8.4	5.3
3	4.2	6.8	26	e22	e190	111	107	117	124	51	8.2	5.0
4	4.3	7.9	23	e19	e140	104	115	105	104	43	8.4	5.0
5	4.1	19	23	e16	e110	111	96	123	88	41	14	4.9
6	4.6	93	23	e15	e96	171	92	106	83	35	17	4.9
7	4.3	52	24	e16	e84	1260	89	92	74	28	58	4.5
8	4.0	19	23	e17	e76	2620	88	83	65	23	53	4.7
9	6.4	13	33	e19	e70	1090	150	98	59	20	37	7.2
10	7.6	26	78	e21	e66	498	105	130	53	24	494	6.6
11	6.8	31	81	53	e62	366	87	112	52	35	82	5.1
12	7.5	19	59	322	e60	284	249	89	49	21	36	4.3
13	5.2	14	48	261	e58	232	182	163	45	17	20	4.1
14	4.6	12	41	229	e56	199	127	1460	40	15	14	4.6
15	4.6	11	37	295	e66	179	103	1110	34	14	11	4.2
16	5.1	11	51	197	e82	161	94	473	31	14	20	3.9
17	4.8	10	260	139	e105	143	292	1670	29	15	12	3.9
18	5.2	9.5	168	128	e140	127	348	2860	27	15	26	3.9
19	5.7	9.0	102	192	e180	121	263	3870	27	12	36	3.6
20	6.3	8.4	76	327	258	117	181	2880	26	11	35	3.2
21	6.8	10	64	278	247	125	508	904	35	12	22	3.7
22	6.9	13	55	169	180	103	432	411	98	12	14	3.8
23	6.9	11	50	e120	165	151	258	286	74	13	9.5	3.8
24	7.3	9.8	46	e100	137	191	733	232	56	36	7.9	3.6
25	7.3	9.4	41	e88	111	131	497	211	156	33	7.4	3.5
26	6.6	9.9	37	e80	111	112	305	185	61	21	7.1	3.4
27	6.7	22	34	e74	107	192	234	161	67	14	6.7	3.2
28	6.6	292	33	e70	198	371	185	769	70	11	6.1	3.2
29	10	134	34	e68	---	220	153	369	89	10	5.9	3.1
30	6.6	60	31	e66	---	175	140	207	246	9.4	5.9	2.8
31	6.6	---	29	e90	---	149	---	160	---	8.8	5.8	---
TOTAL	183.0	955.7	1699	3549	3575	10128	6465	19700	2226	806.2	1096.9	128.6
MEAN	5.90	31.9	54.8	114	128	327	215	635	74.2	26.0	35.4	4.29
MAX	10	292	260	327	280	2620	733	3870	246	123	494	7.2
MIN	4.0	6.2	23	15	56	103	87	83	26	8.8	5.8	2.8
CFSM	.02	.13	.22	.47	.52	1.33	.88	2.59	.30	.11	.14	.02
IN.	.03	.15	.26	.54	.54	1.54	.98	2.99	.34	.12	.17	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

MEAN	61.6	240	322	338	413	502	419	312	214	192	114	78.9
MAX	435	1576	1135	2214	1088	1425	1064	1522	1120	1694	1092	918
(WY)	1987	1994	1958	1950	1971	1963	1964	1981	1957	1979	1993	1989
MIN	2.88	4.46	4.05	6.55	41.1	108	74.5	35.1	11.2	6.84	3.72	.91
(WY)	1965	1965	1964	1977	1954	1994	1971	1954	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	66655.2		50512.4			
ANNUAL MEAN	183		138		266	
HIGHEST ANNUAL MEAN					528	1979
LOWEST ANNUAL MEAN					37.3	1954
HIGHEST DAILY MEAN	4120	Apr 12	3870	May 19	11500	Dec 30 1990
LOWEST DAILY MEAN	4.0	Oct 8	2.8	Sep 30	.10	Sep 7 1954
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 16	3.3	Sep 24	.20	Sep 2 1954
INSTANTANEOUS PEAK FLOW			3980	May 19	12200	Dec 30 1990
INSTANTANEOUS PEAK STAGE			14.82	May 19	22.58	Jun 24 1960
ANNUAL RUNOFF (CFSM)	.75		.56		1.09	
ANNUAL RUNOFF (INCHES)	10.12		7.67		14.77	
10 PERCENT EXCEEDS	296		259		571	
50 PERCENT EXCEEDS	67		51		80	
90 PERCENT EXCEEDS	6.3		5.1		8.3	

e Estimated

03359000 MILL CREEK NEAR MANHATTAN, IN

LOCATION.--Lat 39°29'16", long 86°55'30", in SE¼SE¼ sec.11, T.12 N., R.5 W., Putnam County, Hydrologic Unit 05120203, on left bank 0.3 mi upstream from Cagles Mill Dam, 0.4 mi downstream from Cagles Mill Lake, 1.3 mi upstream from Deer Creek, 5.0 mi south of Manhattan, and at mile 2.3.

DRAINAGE AREA.--294 mi^2.

PERIOD OF RECORD.--May to September 1931 (fragmentary), October 1938 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1940-41. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 581.83 ft above sea level. May 12, 1941 to Sept. 30, 1974, water-stage recorder at site 0.3 mi downstream. See WSP 1725 for history of changes prior to May 12, 1941.

REMARKS.--Flow regulated by U.S. Army Corps of Engineers from Cagles Mill Lake since July 1953.

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

AVERAGE DISCHARGE.--57 years (1938 to current year), 319 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,960 ft^3/s, Jan. 5, 1950, gage height, 18.38 ft; no flow Aug. 7, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,640 ft^3/s June 5; minimum daily, 19 ft^3/s Sept. 6 - 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	32	79	64	149	304	102	255	991	70	20	20
2	33	32	46	64	210	239	102	238	984	70	20	20
3	33	32	46	54	254	149	102	89	1130	70	20	20
4	33	32	46	46	255	148	141	106	1590	70	20	20
5	33	66	46	41	505	148	186	138	1640	134	31	20
6	33	85	46	31	338	148	133	138	1620	146	50	19
7	33	107	46	31	166	152	102	138	1590	79	50	19
8	33	134	46	31	184	165	102	138	1570	60	51	19
9	33	101	52	31	144	170	102	161	1540	44	66	19
10	33	101	64	31	110	172	102	190	1510	33	224	19
11	33	101	117	42	88	172	102	154	1480	33	372	19
12	33	100	148	193	64	359	137	154	813	33	303	19
13	33	100	92	496	64	763	206	154	162	33	70	19
14	33	87	64	391	64	1100	185	312	59	33	70	19
15	32	65	64	204	162	1230	151	431	50	33	65	19
16	32	65	64	204	273	1290	150	578	50	26	50	19
17	32	65	127	204	410	1260	152	344	50	20	40	19
18	32	56	252	166	183	1240	242	105	50	20	33	19
19	32	39	217	102	65	868	495	110	39	20	33	19
20	32	39	148	283	167	287	450	114	33	20	33	19
21	32	35	76	461	340	83	276	116	33	20	33	19
22	32	35	46	307	281	155	280	228	33	20	33	19
23	32	39	58	204	166	185	281	678	33	20	29	19
24	32	34	64	142	166	131	285	1000	33	20	20	19
25	32	31	64	98	145	100	406	495	58	20	20	19
26	32	31	64	98	110	100	842	115	119	20	20	19
27	32	31	64	98	99	205	969	136	320	20	20	19
28	32	158	64	99	100	480	443	116	232	20	20	19
29	32	342	64	195	---	478	69	430	69	20	20	19
30	32	181	64	252	---	204	139	1000	69	20	20	19
31	32	---	64	217	---	170	---	998	---	20	20	---
TOTAL	1006	2356	2502	4880	5262	12655	7434	9359	17950	1267	1876	575
MEAN	32.5	78.5	80.7	157	188	408	248	302	598	40.9	60.5	19.2
MAX	33	342	252	496	505	1290	969	1000	1640	146	372	20
MIN	32	31	46	31	64	83	69	89	33	20	20	19

CAL YR 1994 TOTAL 114532 MEAN 314 MAX 1870 MIN 19
WTR YR 1995 TOTAL 67122 MEAN 184 MAX 1640 MIN 19

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^2.
PERIOD OF RECORD.--January 1931 to current year. Prior to October 1934, published as "near Centerpoint".
REVISED RECORDS.--WSP 893: 1935, 1937-39. WSP 973: 1937-38, 1939(M). WSP 1335: 1931(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 548.02 ft above sea level, (levels by U.S. Army Corps of Engineers). See WSP 1725 for history of changes prior to Dec. 1, 1949.
REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Cataract Lake.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, about 30.0 ft in 1875, present datum, from information by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	58	317	160	386	428	394	536	1250	358	60	50
2	59	60	204	159	459	562	365	634	1240	267	61	48
3	56	59	178	150	524	361	352	424	1250	224	57	47
4	54	64	161	e140	513	336	354	385	1670	202	60	46
5	53	113	152	e130	539	346	415	473	1790	201	78	44
6	54	262	145	e132	647	406	354	441	1750	262	103	58
7	53	219	145	e134	318	2770	316	408	1720	192	457	131
8	56	243	144	e137	417	7320	335	386	1680	158	246	150
9	66	188	170	e140	470	3920	435	504	1650	140	454	170
10	65	204	220	e150	276	1880	347	583	1600	128	1170	164
11	61	203	222	182	e250	1350	322	479	1580	121	531	160
12	59	182	282	339	e230	1160	456	424	1440	117	506	160
13	59	171	257	621	e220	1250	479	543	476	111	220	159
14	57	161	178	856	e270	1670	428	1860	310	104	151	158
15	56	137	168	575	347	1630	347	1300	258	101	133	153
16	55	125	200	515	445	1710	325	1200	238	97	115	150
17	54	121	349	454	542	1660	828	2470	220	102	104	148
18	53	115	476	426	488	1590	803	5010	207	103	93	144
19	56	101	470	405	303	1480	885	7840	196	86	133	142
20	55	94	345	544	428	771	1020	4420	180	80	174	140
21	54	103	287	843	475	462	903	1890	185	78	144	138
22	54	111	204	751	527	432	794	1340	225	78	111	138
23	53	106	191	497	337	499	722	1260	238	78	96	135
24	53	99	189	408	319	518	1250	1670	194	158	83	132
25	55	89	182	290	303	397	952	1520	273	134	73	125
26	54	85	175	e270	273	364	1220	743	285	114	68	120
27	55	109	169	e260	248	373	1460	646	365	111	63	112
28	55	715	164	e300	354	732	1100	745	529	93	59	101
29	55	839	159	419	---	914	490	665	340	81	57	79
30	56	464	156	458	---	551	452	1300	337	73	55	64
31	56	---	155	420	---	492	---	1300	---	64	53	---
TOTAL	1738	5600	6814	11265	10908	38334	18903	43399	23676	4216	5768	3566
MEAN	56.1	187	220	363	390	1237	630	1400	789	136	186	119
MAX	66	839	476	856	647	7320	1460	7840	1790	358	1170	170
MIN	53	58	144	130	220	336	316	385	180	64	53	44
CFSM	.07	.22	.26	.44	.47	1.49	.76	1.69	.95	.16	.22	.14
IN.	.08	.25	.31	.50	.49	1.72	.85	1.95	1.06	.19	.26	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

MEAN	277	599	922	1246	1300	1560	1617	1201	813	562	333	306
MAX	1393	3076	2960	7212	3249	3843	4120	5090	4077	2746	2656	2488
(WY)	1987	1986	1991	1950	1950	1938	1944	1943	1957	1987	1979	1989
MIN	22.5	29.7	29.0	27.5	107	125	285	129	66.9	39.4	24.1	13.9
(WY)	1941	1965	1964	1977	1934	1941	1971	1934	1988	1954	1936	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995	
ANNUAL TOTAL	264948		174187			
ANNUAL MEAN	726		477		896	
HIGHEST ANNUAL MEAN					1551	1950
LOWEST ANNUAL MEAN					161	1954
HIGHEST DAILY MEAN	8680	Apr 12	7840	May 19	28700	Jun 29 1957
LOWEST DAILY MEAN	39	Sep 17	44	Sep 5	11	Oct 7 1954
ANNUAL SEVEN-DAY MINIMUM	39	Sep 16	49	Aug 30	12	Oct 2 1954
INSTANTANEOUS PEAK FLOW			8170	May 19	34000	Jan 4 1950
INSTANTANEOUS PEAK STAGE			18.11	May 19	23.53	Jan 4 1950
ANNUAL RUNOFF (CFSM)	.87		.57		1.08	
ANNUAL RUNOFF (INCHES)	11.87		7.81		14.66	
10 PERCENT EXCEEDS	1870		1250		2200	
50 PERCENT EXCEEDS	319		238		360	
90 PERCENT EXCEEDS	56		59		56	

e Estimated

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^2.
PERIOD OF RECORD.--September 1928 to current year. Prior to October 1948, published as West Fork White River at Newberry.
REVISED RECORDS.--WSP 873: 1937(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 465.59 ft above sea level. Nonrecording gage prior to Oct. 21, 1928. Prior to Aug. 5, 1982, recording gage 0.3 mi downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by upstream reservoirs.
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^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	768	499	2230	1270	3230	2570	2790	4170	7280	4880	1170	919
2	705	484	1830	1240	3400	2640	2620	4220	6780	4120	1040	911
3	641	492	1610	e1120	3560	2740	2480	4150	6900	3870	927	891
4	613	590	1450	e1000	e3100	2520	2400	3910	6550	3510	833	850
5	594	731	1350	e1390	e2750	2440	2340	3630	5880	2910	835	802
6	575	1020	1290	2340	e2500	2560	2330	3530	5670	2460	1010	770
7	562	1390	1270	2510	e2300	6930	2260	3370	5250	2190	2470	747
8	551	1650	1240	e1800	e2200	14600	2150	3150	4820	1980	10600	772
9	582	1580	1360	e1350	e2080	15900	6960	2960	4520	1770	8090	843
10	561	1980	1840	e1030	e1950	17700	7020	2990	4280	1610	8960	982
11	556	1710	2250	1300	e1870	17900	3860	3040	4050	1470	7600	1210
12	603	1640	2180	2050	e1780	14000	3900	2920	3850	1400	4550	1190
13	580	1470	2080	2390	e1720	9000	4430	3050	3730	1310	3240	e1030
14	560	1330	1970	2520	e1700	7160	4480	4000	3070	1210	2560	e980
15	560	1270	1870	2990	2070	6510	4270	6270	2590	1140	2070	e938
16	554	1230	1830	2920	3650	5900	3980	8310	2310	1090	1840	e860
17	537	1160	2440	2730	3200	5440	4270	10200	2130	1130	1690	e840
18	525	1100	2600	2560	3060	5040	6040	20500	1970	1250	1630	e800
19	542	1040	2600	2710	2990	4700	6140	28600	1830	1200	1510	e780
20	532	988	2530	3260	2850	4390	5250	30200	1720	1090	1480	e760
21	518	972	2410	3130	2910	3770	10100	32600	1680	1000	1690	e777
22	531	956	2160	3640	2850	3320	12600	33700	1730	962	1570	e750
23	520	936	1920	4540	2780	3110	10500	29300	2030	1180	1400	e740
24	507	983	1750	4770	2550	3110	12100	24100	2270	1200	1280	e720
25	500	906	1630	4050	2320	3330	12400	17000	2250	1310	1200	e700
26	487	821	1580	3300	2180	2990	10100	10000	3340	1720	1140	e700
27	491	866	1550	2840	2090	2890	7930	7490	3150	1730	1090	e680
28	487	1830	1440	3810	2370	2920	6670	11900	2840	2040	1040	e660
29	493	2080	1370	5810	---	3190	5710	14500	3670	1790	992	e640
30	485	2480	1330	4250	---	3410	4740	11300	4800	1550	963	e640
31	485	---	1280	3400	---	3080	---	8490	---	1340	941	---
TOTAL	17205	36184	56240	84020	72010	185760	172820	353550	112940	57412	77411	24882
MEAN	555	1206	1814	2710	2572	5992	5761	11400	3765	1852	2497	829
MAX	768	2480	2600	5810	3650	17900	12600	33700	7280	4880	10600	1210
MIN	485	484	1240	1000	1700	2440	2150	2920	1680	962	833	640
CFSM	.12	.26	.39	.58	.55	1.28	1.23	2.43	.80	.40	.53	.18
IN.	.14	.29	.45	.67	.57	1.47	1.37	2.81	.90	.46	.61	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

MEAN	1458	3124	4649	6779	7023	8684	8930	6682	4330	3191	1979	1603
MAX	6193	24180	16780	36920	21870	19150	20340	25090	15080	13270	15900	13510
(WY)	1994	1994	1958	1950	1950	1963	1944	1943	1958	1979	1979	1989
MIN	259	408	386	405	705	686	1539	677	771	536	308	317
(WY)	1941	1945	1945	1945	1931	1941	1941	1941	1988	1936	1941	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1929 - 1995	
ANNUAL TOTAL	1439854		1250434			
ANNUAL MEAN	3945		3426		4857	
HIGHEST ANNUAL MEAN					8752	1950
LOWEST ANNUAL MEAN					958	1941
HIGHEST DAILY MEAN	39700	Apr 14	33700	May 22	103000	Nov 18 1993
LOWEST DAILY MEAN	484	Nov 2	484	Nov 2	200	Oct 1 1941
ANNUAL SEVEN-DAY MINIMUM	489	Oct 27	489	Oct 27	211	Sep 26 1941
INSTANTANEOUS PEAK FLOW			35500	May 22	105000	Nov 18 1993
INSTANTANEOUS PEAK STAGE			20.14	May 22	25.87	Nov 18 1993
ANNUAL RUNOFF (CFSM)	.84		.73		1.04	
ANNUAL RUNOFF (INCHES)	11.43		9.92		14.08	
10 PERCENT EXCEEDS	7650		6980		11400	
50 PERCENT EXCEEDS	2230		2090		2520	
90 PERCENT EXCEEDS	594		672		622	

e Estimated

03360895 KESSINGER DITCH NEAR MONROE CITY, IN

LOCATION.--Lat 38°34'14", long 87°16'37", in SE¼SE¼ sec.27 T.2N., R.8W., Knox County, Hydrologic Unit 05120202 on left bank at county road bridge 1.7 miles upstream of the confluence with White River, and approximately 4.7 miles southeast of Monroe City.

DRAINAGE AREA.--58 mi².

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 410.34 ft, above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. Stage-discharge relation affected by backwater from White River during times of flood.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	e.91	14	13	43	47	14	72	e110	25	3.7	2.4
2	1.8	e.89	13	9.8	47	34	13	126	e160	17	3.6	2.4
3	1.1	e3.5	11	e7.8	58	29	13	46	e50	14	3.6	2.4
4	.53	e15	11	e5.8	78	26	15	37	e32	87	3.2	2.4
5	.26	66	13	e5.0	e45	54	13	33	27	296	46	2.3
6	.29	62	11	e9.0	e35	225	12	26	22	64	46	2.4
7	.84	13	11	e14	e30	1020	11	22	18	26	15	2.4
8	1.7	1.3	9.2	e12	e27	692	11	19	16	18	26	2.8
9	7.5	67	136	e10	e22	173	11	20	14	14	60	3.7
10	1.8	182	170	e15	e23	127	9.6	18	13	12	680	3.0
11	2.9	28	115	129	e20	e80	9.2	15	12	9.8	110	2.2
12	4.7	12	36	129	e17	e54	16	14	14	8.8	28	2.3
13	11	8.3	26	60	e15	e43	10	114	11	7.8	15	2.5
14	16	6.5	21	64	e14	e35	8.7	100	9.2	6.9	9.8	2.5
15	e7.6	6.8	19	77	119	30	8.8	34	8.1	19	7.3	2.3
16	e2.4	23	47	44	284	25	9.5	100	7.3	28	6.0	2.6
17	e1.0	16	121	35	58	22	14	1160	6.9	17	5.0	2.9
18	e5.2	10	41	159	47	20	22	e1900	6.4	8.8	8.4	2.6
19	29	7.4	28	258	47	19	14	e600	6.4	6.6	5.4	2.4
20	27	6.6	23	167	50	21	61	e250	6.4	5.6	4.2	3.2
21	32	8.8	19	60	46	31	405	e190	86	7.0	3.7	3.1
22	12	7.5	18	38	35	20	157	e150	21	20	3.4	2.7
23	e3.9	5.5	17	30	33	21	e150	e130	12	75	2.9	2.4
24	e1.9	5.0	15	23	26	16	e110	e110	13	11	2.7	2.2
25	e1.1	4.9	14	22	22	15	e60	e980	32	8.6	2.6	2.2
26	e1.0	4.7	13	19	24	16	e43	e350	543	6.6	2.7	2.2
27	e.96	185	12	20	38	32	e36	e1200	117	5.4	2.4	2.0
28	e.90	169	12	510	110	23	e30	e600	38	5.0	2.4	1.8
29	e.92	34	11	235	---	18	e26	e350	127	4.8	2.5	1.8
30	e.94	20	10	64	---	16	25	e220	57	4.4	2.6	1.9
31	e.93	---	11	45	---	15	---	e160	---	4.0	2.4	---
TOTAL	181.77	980.60	1028.2	2289.4	1413	2999	1337.8	9146	1595.7	843.1	1116.5	74.0
MEAN	5.86	32.7	33.2	73.9	50.5	96.7	44.6	295	53.2	27.2	36.0	2.47
MAX	32	185	170	510	284	1020	405	1900	543	296	680	3.7
MIN	.26	.89	9.2	5.0	14	15	8.7	14	6.4	4.0	2.4	1.8
CFSM	.10	.56	.57	1.27	.87	1.67	.77	5.09	.92	.47	.62	.04
IN.	.12	.63	.66	1.47	.91	1.92	.86	5.87	1.02	.54	.72	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	16.5	139	52.1	128	59.6	76.1	106	142	28.7	15.9	19.4	32.8
MAX	40.0	318	90.5	163	66.0	106	151	295	53.2	27.2	36.0	85.9
(WY)	1994	1994	1994	1994	1994	1993	1993	1995	1995	1995	1995	1993
MIN	3.65	32.7	32.7	73.9	50.5	25.1	44.6	63.8	12.1	5.75	6.77	2.47
(WY)	1993	1995	1993	1995	1995	1994	1995	1994	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	16544.87		23005.07			
ANNUAL MEAN	45.3		63.0		67.9	
HIGHEST ANNUAL MEAN					76.5	1994
LOWEST ANNUAL MEAN					63.0	1995
HIGHEST DAILY MEAN	1260	Jan 28	1900	May 18	2240	Nov 15 1993
LOWEST DAILY MEAN	.26	Oct 5	.26	Oct 5	.26	Oct 5 1994
ANNUAL SEVEN-DAY MINIMUM	.92	Oct 27	.92	Oct 27	.92	Oct 27 1994
INSTANTANEOUS PEAK FLOW			e2100	May 18	2580	Nov 14 1993
INSTANTANEOUS PEAK STAGE			a17.75	May 18	20.24	Nov 20 1993
ANNUAL RUNOFF (CFSM)	.78		1.09		1.17	
ANNUAL RUNOFF (INCHES)	10.61		14.75		15.91	
10 PERCENT EXCEEDS	84		129		144	
50 PERCENT EXCEEDS	13		16		19	
90 PERCENT EXCEEDS	2.7		2.4		2.9	

e Estimated
a Backwater

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 mi².
PERIOD OF RECORD.--October 1950 to current year. Prior to October 1961, published as Blue River at Carthage.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 859.33 ft above sea level. Prior to July 19, 1951, nonrecording gage at site 300 ft downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated by Big Blue River Conservancy District control structures on tributaries to Big Blue River beginning in 1969.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	77	76	74	e96	217	114	161	290	205	72	54
2	54	76	74	68	121	162	111	159	472	142	72	52
3	53	69	72	e60	129	e130	109	147	519	123	70	52
4	54	73	71	e54	132	e110	112	145	350	144	71	51
5	55	102	87	e50	116	e100	105	145	276	143	130	51
6	56	113	80	e48	e96	e130	105	138	233	121	135	51
7	57	88	82	e50	e94	e600	106	132	204	111	99	51
8	60	77	79	e51	e90	1030	106	126	186	102	94	61
9	74	79	106	e52	e88	544	143	136	176	100	87	62
10	64	107	150	e54	e84	374	148	140	167	98	81	59
11	61	87	147	e70	e82	293	127	145	161	95	79	56
12	61	80	114	200	e78	240	174	127	156	92	77	58
13	63	75	101	188	e76	e200	164	128	144	89	75	79
14	66	73	91	161	e74	e180	139	509	135	88	73	68
15	61	75	85	240	e88	168	126	359	128	86	70	59
16	61	69	95	179	e110	158	122	235	122	87	68	58
17	61	68	217	139	e140	148	122	877	118	85	68	59
18	62	68	154	120	177	140	120	1810	116	81	69	58
19	65	67	120	140	229	137	118	3030	113	78	69	56
20	65	65	106	506	251	135	119	1480	112	77	67	59
21	65	73	96	433	e214	142	1210	695	114	88	66	60
22	66	73	91	308	e187	130	735	494	124	84	64	58
23	65	67	86	235	167	135	437	388	114	94	62	56
24	64	65	82	185	150	127	419	328	112	101	61	56
25	69	65	79	e156	131	121	334	769	108	90	60	56
26	66	63	76	e140	e120	119	260	597	111	96	59	56
27	65	74	76	e120	e110	128	225	390	115	93	57	56
28	65	136	76	e116	234	127	198	886	131	83	56	55
29	65	96	74	e100	---	119	177	662	236	79	57	54
30	66	83	71	e90	---	119	168	450	195	75	57	54
31	66	---	72	e86	---	116	---	343	---	73	56	---
TOTAL	1931	2383	2986	4473	3664	6579	6653	16131	5538	3103	2281	1715
MEAN	62.3	79.4	96.3	144	131	212	222	520	185	100	73.6	57.2
MAX	74	136	217	506	251	1030	1210	3030	519	205	135	79
MIN	53	63	71	48	74	100	105	126	108	73	56	51
CFSM	.34	.43	.52	.78	.71	1.15	1.21	2.83	1.00	.54	.40	.31
IN.	.39	.48	.60	.90	.74	1.33	1.35	3.26	1.12	.63	.46	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	95.4	172	218	229	293	334	328	246	193	152	106	78.0
MAX	579	925	702	619	741	967	829	582	848	581	649	400
(WY)	1987	1994	1991	1959	1951	1963	1964	1990	1958	1979	1979	1989
MIN	34.2	38.6	33.2	27.9	59.6	84.2	97.8	81.5	48.1	32.5	30.5	24.4
(WY)	1964	1977	1977	1977	1964	1981	1971	1976	1988	1977	1988	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	66378		57437			
ANNUAL MEAN	182		157		203	
HIGHEST ANNUAL MEAN					324	1973
LOWEST ANNUAL MEAN					78.8	1977
HIGHEST DAILY MEAN	3330	Jan 28	3030	May 19	6900	Mar 5 1963
LOWEST DAILY MEAN	47	Sep 15	48	Jan 6	17	Jan 18 1977
ANNUAL SEVEN-DAY MINIMUM	49	Sep 13	51	Jan 4	19	Jul 31 1977
INSTANTANEOUS PEAK FLOW			3760	May 19	12900	Mar 4 1963
INSTANTANEOUS PEAK STAGE			9.34	May 19	14.62	Mar 4 1963
ANNUAL RUNOFF (CFSM)	.99		.86		1.10	
ANNUAL RUNOFF (INCHES)	13.42		11.61		15.00	
10 PERCENT EXCEEDS	309		255		405	
50 PERCENT EXCEEDS	120		99		116	
90 PERCENT EXCEEDS	60		58		50	

e Estimated

03361500 BIG BLUE RIVER AT SHELBYVILLE, IN

LOCATION.--Lat 39°31'45", long 85°46'55", in SE¼SE¼ 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 mi².
PERIOD OF RECORD.--September 1943 to current year. Prior to October 1961, published as Blue River at Shelbyville.
REVISED RECORDS.--WSP 1505: 1944. WSP 1909: 1959(M). WSP 2109: Drainage area. WDR IN-79-1: 1975.
GAGE.--Water-stage recorder. Datum of gage is 737.67 ft above sea level. Prior to Oct. 1, 1953, nonrecording gage at bridge 0.2 mi upstream at datum 3.5 ft higher.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 20.2 ft from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	101	142	130	e200	571	244	381	665	404	103	72
2	84	106	132	127	283	450	237	378	746	314	101	68
3	81	107	126	119	344	376	230	342	1170	254	98	66
4	80	110	126	e92	367	332	235	323	790	238	98	64
5	81	140	131	e86	e290	321	220	319	621	272	140	63
6	82	165	140	e84	e260	360	212	300	535	236	233	63
7	84	159	135	e88	e240	1210	214	282	467	215	196	62
8	84	131	132	e90	e220	2960	212	269	415	191	175	79
9	97	132	149	e92	e210	1830	216	274	380	180	150	79
10	101	142	222	e94	e204	1230	268	289	355	171	136	78
11	94	156	270	e120	e200	941	246	307	340	165	125	72
12	89	137	241	309	e190	751	271	275	327	157	118	69
13	91	127	204	438	e170	614	335	278	303	150	112	81
14	92	122	180	363	e160	528	283	1850	282	143	106	97
15	95	119	164	391	e180	469	251	1680	264	139	102	81
16	90	118	174	418	e250	428	237	1020	249	139	97	72
17	88	113	328	323	e350	392	243	2300	239	137	96	71
18	89	111	367	273	532	356	238	4310	230	128	128	71
19	92	109	282	277	703	336	233	6150	224	122	116	68
20	93	107	232	814	785	332	242	6090	219	118	98	68
21	93	111	205	1090	752	333	1550	2910	227	125	94	71
22	93	112	187	783	594	310	2270	1440	256	135	90	71
23	95	111	175	585	499	316	1280	1060	233	142	86	68
24	94	106	165	463	431	299	1240	867	220	181	83	66
25	95	105	156	e340	367	275	1040	1180	216	157	81	66
26	99	104	149	e260	338	261	793	1440	211	139	78	66
27	97	119	142	e220	324	276	633	928	210	143	75	66
28	96	160	140	e210	469	297	522	1590	233	130	72	65
29	96	190	137	e195	---	276	448	1740	493	120	78	63
30	98	156	132	e185	---	264	410	1090	443	113	90	62
31	104	---	130	e180	---	253	---	810	---	106	76	---
TOTAL	2833	3786	5595	9239	9912	17947	15053	42472	11563	5364	3431	2108
MEAN	91.4	126	180	298	354	579	502	1370	385	173	111	70.3
MAX	104	190	367	1090	785	2960	2270	6150	1170	404	233	97
MIN	80	101	126	84	160	253	212	269	210	106	72	62
CFSM	.22	.30	.43	.71	.84	1.38	1.19	3.25	.92	.41	.26	.17
IN.	.25	.33	.49	.82	.88	1.59	1.33	3.75	1.02	.47	.30	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	173	362	488	635	722	808	781	571	422	325	204	147
MAX	1199	2114	1575	4319	2208	1970	1973	1611	1574	1363	1404	953
(WY)	1987	1994	1967	1950	1950	1963	1964	1968	1958	1979	1979	1989
MIN	41.7	52.5	52.3	38.3	92.0	204	183	149	81.2	56.1	46.4	43.2
(WY)	1964	1954	1964	1977	1964	1957	1971	1976	1988	1954	1988	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	118120		129303			
ANNUAL MEAN	324		354		468	
HIGHEST ANNUAL MEAN					908	1950
LOWEST ANNUAL MEAN					166	1954
HIGHEST DAILY MEAN	3480	Jan 28	6150	May 19	13800	Mar 5 1963
LOWEST DAILY MEAN	72	Sep 20	62	Sep 7	27	Jan 18 1977
ANNUAL SEVEN-DAY MINIMUM	74	Sep 16	65	Sep 24	32	Jan 16 1977
INSTANTANEOUS PEAK FLOW			6440	May 20	13800	Nov 15 1993
INSTANTANEOUS PEAK STAGE			14.04	May 20	18.41	Nov 15 1993
ANNUAL RUNOFF (CFSM)	.77		.84		1.11	
ANNUAL RUNOFF (INCHES)	10.44		11.43		15.12	
10 PERCENT EXCEEDS	623		751		998	
50 PERCENT EXCEEDS	213		191		239	
90 PERCENT EXCEEDS	92		81		74	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1967 to current year.
REVISED RECORDS.--WDR IN-76-1: 1975.
GAGE.--Water-stage recorder. Datum of gage is 786.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	8.8	15	14	38	134	35	68	205	43	13	6.5
2	5.7	9.3	18	12	50	101	33	63	182	36	12	5.9
3	4.5	9.2	13	e11	66	74	32	55	173	32	11	5.6
4	4.3	11	12	e11	72	61	31	51	137	37	12	5.5
5	3.8	22	14	e11	e58	57	29	49	124	31	21	5.3
6	4.1	29	13	e11	e50	59	28	45	103	25	27	5.0
7	4.5	19	13	e11	e45	506	27	41	88	23	27	4.2
8	6.2	14	13	e11	e41	931	27	39	75	20	32	3.7
9	7.7	13	23	e12	e38	932	28	39	65	18	23	6.7
10	7.1	23	42	e13	e39	505	27	41	60	17	30	6.3
11	5.9	18	53	19	e35	326	27	41	56	e16	20	5.9
12	5.2	14	43	56	e32	238	52	37	52	e15	16	5.3
13	5.2	13	34	59	e30	170	58	38	47	e14	14	5.6
14	5.3	11	26	70	e28	128	53	515	43	13	13	7.5
15	5.7	10	22	77	e31	104	43	473	39	16	11	11
16	5.8	9.8	26	61	e40	89	38	257	36	14	11	6.2
17	5.9	9.3	78	52	e54	77	39	873	33	15	10	5.1
18	7.2	10	72	43	e74	67	42	1170	31	12	13	5.5
19	6.2	11	60	85	106	61	43	1390	30	11	16	6.3
20	7.1	8.9	43	272	132	60	60	1240	29	10	13	4.0
21	7.2	9.5	32	353	143	56	521	1010	40	16	11	5.2
22	7.2	9.0	29	233	117	51	668	441	33	15	9.9	5.5
23	8.1	8.4	25	144	91	52	480	290	29	16	8.8	5.3
24	9.4	8.4	22	e90	75	46	355	217	39	15	8.0	5.0
25	8.2	8.1	19	e74	63	41	286	181	54	20	7.5	5.1
26	8.9	7.9	18	e60	55	37	200	154	49	77	6.9	5.0
27	9.0	12	17	e48	53	41	145	125	42	56	6.6	4.5
28	8.9	22	16	e43	100	44	110	888	52	31	6.2	4.5
29	11	16	15	e37	---	43	87	764	47	22	8.7	3.8
30	6.3	13	14	e33	---	39	76	506	48	18	11	3.4
31	7.6	---	14	e35	---	36	---	293	---	15	7.1	---
TOTAL	204.7	387.6	854	2061	1756	5166	3680	11394	2041	719	436.7	164.4
MEAN	6.60	12.9	27.5	66.5	62.7	167	123	368	68.0	23.2	14.1	5.48
MAX	11	29	78	353	143	932	668	1390	205	77	32	11
MIN	3.8	7.9	12	11	28	36	27	37	29	10	6.2	3.4
CFSM	.07	.14	.29	.71	.67	1.77	1.31	3.91	.72	.25	.15	.06
IN.	.08	.15	.34	.82	.70	2.05	1.46	4.51	.81	.28	.17	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	38.5	98.2	130	128	170	175	157	118	81.2	66.6	48.0	29.7
MAX	309	441	352	345	439	413	279	368	232	241	306	314
(WY)	1987	1994	1991	1969	1982	1978	1972	1995	1973	1969	1979	1989
MIN	4.14	10.4	9.11	5.35	35.7	35.0	30.0	23.4	8.47	9.21	4.06	3.42
(WY)	1989	1988	1977	1977	1978	1981	1971	1976	1988	1977	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	23788.8		28864.4			
ANNUAL MEAN	65.2		79.1		103	
HIGHEST ANNUAL MEAN					150	1973
LOWEST ANNUAL MEAN					37.7	1977
HIGHEST DAILY MEAN	1100	Jan 29	1390	May 19	1930	Nov 15 1993
LOWEST DAILY MEAN	3.5	Sep 20	3.4	Sep 30	2.4	Oct 3 1983
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 1	4.5	Sep 24	3.0	Sep 10 1983
INSTANTANEOUS PEAK FLOW			1440	May 19	2340	Nov 14 1993
INSTANTANEOUS PEAK STAGE			7.89	May 19	10.34	Feb 23 1979
ANNUAL RUNOFF (CFSM)	.69		.84		1.10	
ANNUAL RUNOFF (INCHES)	9.42		11.44		14.90	
10 PERCENT EXCEEDS	117		149		242	
50 PERCENT EXCEEDS	24		29		47	
90 PERCENT EXCEEDS	6.4		5.9		9.4	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1967 to current year.
REVISED RECORDS.--WDR IN-79-1: 1969 (M).
GAGE.--Water-stage recorder. Datum of gage is 757.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor. Low flow is affected by regulation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	29	11	14	e37	103	35	52	88	66	8.1	6.2
2	2.3	27	7.1	13	92	70	33	52	91	48	7.7	3.4
3	1.6	29	5.8	e11	121	55	32	45	103	37	8.4	2.2
4	1.5	33	5.0	e9.6	101	47	33	44	75	35	9.3	1.7
5	2.8	65	18	e8.4	e66	48	29	44	63	38	26	1.5
6	2.6	118	23	e7.6	e52	59	28	38	56	30	46	2.4
7	2.0	52	17	e8.0	e44	670	27	34	49	24	29	2.3
8	3.4	15	14	e8.2	e41	878	27	32	42	19	37	6.2
9	10	11	47	e8.4	e33	356	27	33	37	17	22	9.3
10	16	65	137	e8.6	e29	220	25	35	33	16	27	6.6
11	11	44	122	e15	e26	160	25	39	30	14	23	4.0
12	8.1	19	72	130	e23	122	67	31	29	12	16	4.8
13	8.1	9.0	44	106	e21	97	56	42	26	11	12	6.8
14	6.5	7.3	29	89	e20	85	41	806	23	10	9.1	19
15	6.4	6.5	21	128	e23	71	34	402	22	15	7.6	13
16	9.2	5.5	32	89	e32	64	31	182	20	49	6.9	7.8
17	6.0	4.9	185	61	e44	57	36	990	18	34	11	6.4
18	4.2	6.1	111	57	e66	50	38	1640	16	20	53	5.2
19	7.0	5.6	66	114	107	47	34	1690	20	14	38	4.3
20	5.3	5.6	49	300	115	48	59	638	18	11	19	5.4
21	5.8	8.9	40	261	114	54	725	279	57	25	13	8.1
22	9.9	18	34	150	85	43	332	168	115	25	10	7.5
23	7.9	14	30	104	72	55	177	119	51	28	6.4	5.2
24	7.0	11	26	e74	59	51	245	98	151	44	4.9	3.6
25	8.5	8.3	23	e62	49	41	166	93	65	39	4.0	3.2
26	9.2	7.0	19	e54	46	36	117	79	51	73	3.2	3.3
27	10	16	19	e49	45	49	92	66	87	42	2.5	2.8
28	11	88	18	e45	106	61	73	772	228	25	1.9	2.8
29	14	57	16	e40	---	51	62	369	148	17	2.4	2.8
30	23	24	15	e36	---	44	57	184	99	13	18	1.6
31	21	---	14	e33	---	39	---	117	---	10	11	---
TOTAL	243.4	809.7	1269.9	2093.8	1669	3831	2763	9213	1911	861	493.4	159.4
MEAN	7.85	27.0	41.0	67.5	59.6	124	92.1	297	63.7	27.8	15.9	5.31
MAX	23	118	185	300	121	878	725	1690	228	73	53	19
MIN	1.5	4.9	5.0	7.6	20	36	25	31	16	10	1.9	1.5
CFSM	.10	.34	.52	.86	.76	1.57	1.17	3.77	.81	.35	.20	.07
IN.	.11	.38	.60	.99	.79	1.81	1.30	4.35	.90	.41	.23	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	33.6	103	119	112	142	160	136	109	66.7	71.7	41.0	22.8
MAX	312	463	333	352	349	347	245	386	196	324	216	166
(WY)	1987	1994	1991	1969	1971	1978	1972	1981	1974	1969	1979	1989
MIN	4.08	6.90	8.11	4.09	18.8	27.8	18.5	17.4	6.04	5.97	3.74	2.42
(WY)	1969	1972	1977	1977	1978	1969	1971	1976	1988	1991	1983	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	22006.4		25317.6			
ANNUAL MEAN	60.3		69.4		92.8	
HIGHEST ANNUAL MEAN					138	1979
LOWEST ANNUAL MEAN					36.7	1977
HIGHEST DAILY MEAN	1640	Jan 28	1690	May 19	3570	Nov 14 1993
LOWEST DAILY MEAN	1.5	Oct 4	1.5	Oct 4	.60	Oct 1 1967
ANNUAL SEVEN-DAY MINIMUM	2.1	Oct 1	2.1	Oct 1	1.7	Sep 16 1991
INSTANTANEOUS PEAK FLOW			1990	May 19	7140	Jul 20 1969
INSTANTANEOUS PEAK STAGE			9.96	May 19	14.99	Jul 20 1969
ANNUAL RUNOFF (CFSM)	.77		.88		1.18	
ANNUAL RUNOFF (INCHES)	10.39		11.95		16.00	
10 PERCENT EXCEEDS	117		118		206	
50 PERCENT EXCEEDS	24		30		34	
90 PERCENT EXCEEDS	4.8		5.4		6.0	

e Estimated

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 right bank at downstream side of county highway bridge, 0.5 mi southwest of Amity, 2.0 mi upstream from mouth, and 5 mi northwest of Edinburgh.
DRAINAGE AREA.--107 mi².
PERIOD OF RECORD.--October 1942 to current year. Prior to December 1942 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".
REVISED RECORDS.--WSP 1335: 1944. WSP 1909: 1958. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 670.20 ft above sea level. Prior to June 30, 1955, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	9.4	13	15	e50	107	51	93	151	43	11	12
2	3.9	9.9	13	14	119	86	49	137	580	33	9.6	9.2
3	3.7	8.7	11	13	163	76	47	109	476	29	8.7	8.2
4	4.7	11	10	e12	138	67	52	99	236	27	9.9	7.5
5	3.4	32	15	e11	e94	70	46	106	174	26	43	7.3
6	3.5	54	17	e11	e78	84	44	93	141	25	56	8.7
7	3.7	29	15	e12	e66	1190	43	82	110	26	337	7.7
8	5.2	15	14	e12	e56	1350	45	74	87	21	299	19
9	8.9	12	22	e13	e50	482	56	73	73	19	119	23
10	7.8	36	56	e13	e49	309	46	72	64	18	156	14
11	5.8	29	61	e15	e43	242	41	65	57	17	94	10
12	4.6	17	40	88	e38	192	105	57	55	15	54	8.7
13	3.7	12	30	71	e34	157	89	69	48	14	38	8.9
14	4.5	9.3	25	56	e33	131	65	1520	42	13	30	41
15	4.1	7.9	22	71	e38	112	55	1200	38	12	26	18
16	3.8	9.9	24	60	e64	97	52	364	35	29	23	13
17	3.2	9.6	85	48	164	85	110	568	32	102	20	11
18	4.2	8.0	58	43	222	73	126	2020	31	32	19	9.1
19	7.5	8.4	40	65	335	69	95	2660	30	20	27	10
20	5.1	8.6	33	175	366	68	93	708	30	16	83	9.2
21	3.6	8.9	28	156	310	67	1060	356	35	18	88	8.9
22	4.9	9.8	25	101	202	55	503	253	66	18	39	8.4
23	5.4	9.0	23	76	161	133	280	196	49	23	26	7.7
24	4.5	8.6	21	60	122	116	570	165	67	107	21	7.3
25	6.9	7.3	19	e49	99	83	319	160	42	42	17	7.0
26	7.1	7.3	17	e45	90	71	222	137	53	33	16	7.3
27	6.9	10	16	e43	82	74	174	114	40	23	16	6.9
28	7.3	45	16	e42	122	74	135	740	54	18	14	6.4
29	6.8	29	16	e40	---	62	112	457	94	15	14	6.3
30	6.9	17	15	e39	---	57	103	246	67	12	13	5.8
31	7.3	---	14	e38	---	55	---	183	---	11	12	---
TOTAL	163.3	488.6	814	1507	3388	5894	4788	13176	3057	857	1739.2	327.5
MEAN	5.27	16.3	26.3	48.6	121	190	160	425	102	27.6	56.1	10.9
MAX	8.9	54	85	175	366	1350	1060	2660	580	107	337	41
MIN	3.2	7.3	10	11	33	55	41	57	30	11	8.7	5.8
CFSM	.05	.15	.25	.45	1.13	1.78	1.49	3.97	.95	.26	.52	.10
IN.	.06	.17	.28	.52	1.18	2.05	1.66	4.58	1.06	.30	.60	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	22.0	85.5	119	155	177	211	180	142	85.8	72.6	29.8	22.5
MAX	260	593	470	837	441	498	516	512	463	492	231	228
(WY)	1994	1994	1991	1950	1971	1963	1964	1981	1958	1979	1979	1989
MIN	1.82	3.91	2.90	3.13	15.1	40.9	28.3	20.7	6.73	2.03	2.43	2.36
(WY)	1954	1954	1964	1977	1954	1969	1971	1988	1988	1944	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	31732.7		36199.6			
ANNUAL MEAN	86.9		99.2		108	
HIGHEST ANNUAL MEAN					176	1979
LOWEST ANNUAL MEAN					20.3	1954
HIGHEST DAILY MEAN	2380	Apr 12	2660	May 19	6260	May 24 1968
LOWEST DAILY MEAN	3.2	Sep 12	3.2	Oct 17	.50	Sep 29 1953
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 9	3.9	Oct 1	.73	Oct 19 1953
INSTANTANEOUS PEAK FLOW			3570	May 18	10700	Jan 27 1952
INSTANTANEOUS PEAK STAGE			9.93	May 18	13.40	Jan 27 1952
ANNUAL RUNOFF (CFSM)	.81		.93		1.01	
ANNUAL RUNOFF (INCHES)	11.03		12.59		13.74	
10 PERCENT EXCEEDS	161		178		244	
50 PERCENT EXCEEDS	30		38		35	
90 PERCENT EXCEEDS	4.7		7.3		4.4	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1942 to current year. Prior to February 1943 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 646.23 ft above sea level. Prior to Oct. 1, 1952, nonrecording gage on downstream side of old highway bridge, 100 ft downstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	60	109	88	e310	625	279	440	908	343	104	87
2	44	58	91	84	378	541	266	483	1300	274	97	73
3	41	62	84	79	529	448	257	421	1710	233	91	66
4	40	70	81	e74	576	394	263	390	1030	215	90	61
5	39	97	83	e70	e430	371	248	389	786	211	160	58
6	39	160	90	e68	e370	396	234	358	663	203	274	57
7	39	205	99	e70	e340	2030	233	325	564	190	526	58
8	41	132	92	e71	e310	4460	237	303	483	172	720	69
9	49	99	99	e72	e290	3400	245	300	423	156	374	92
10	51	113	191	e73	e270	1980	227	301	381	146	347	81
11	58	138	332	e78	e265	1370	221	291	356	139	290	70
12	57	131	303	199	e260	1050	307	277	336	132	211	63
13	53	100	227	389	e240	838	372	273	310	125	168	67
14	50	84	183	331	e220	696	310	2360	283	120	143	104
15	49	73	152	372	e230	605	271	3550	265	113	129	91
16	46	72	141	392	e320	533	250	1540	248	162	118	83
17	43	67	285	299	e450	475	320	1830	234	271	112	71
18	45	62	472	250	642	423	342	4570	221	179	115	64
19	49	55	324	260	912	392	302	7750	212	138	170	61
20	49	59	251	740	1050	378	356	6950	211	118	221	62
21	44	64	206	1100	1040	381	2700	3800	219	120	197	59
22	44	61	175	870	822	352	2420	1820	534	133	139	59
23	44	62	157	639	678	440	1620	1120	437	142	113	57
24	47	62	139	501	563	423	1860	875	412	276	101	56
25	48	59	125	e400	469	356	1370	817	437	243	92	55
26	50	56	115	e360	425	323	1010	749	354	199	85	53
27	50	63	108	e340	390	328	793	633	324	250	82	54
28	50	106	102	e335	472	356	635	2110	398	195	77	53
29	50	182	99	e330	---	337	533	3750	558	153	74	51
30	51	150	94	e310	---	315	479	1980	454	128	74	52
31	52	---	90	e300	---	297	---	1220	---	113	89	---
TOTAL	1459	2762	5099	9544	13251	25313	18960	51975	15051	5592	5583	1987
MEAN	47.1	92.1	164	308	473	817	632	1677	502	180	180	66.2
MAX	58	205	472	1100	1050	4460	2700	7750	1710	343	720	104
MIN	39	55	81	68	220	297	221	273	211	113	74	51
CFSM	.10	.19	.35	.65	1.00	1.72	1.33	3.54	1.06	.38	.38	.14
IN.	.11	.22	.40	.75	1.04	1.99	1.49	4.08	1.18	.44	.44	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	134	385	523	701	806	950	841	654	414	327	182	124
MAX	983	2591	1742	4000	2192	2281	2076	2011	1608	1564	1348	1295
(WY)	1987	1994	1991	1950	1950	1961	1964	1981	1958	1979	1979	1989
MIN	22.2	33.4	30.4	36.5	74.8	215	170	120	58.7	29.5	25.4	13.4
(WY)	1945	1954	1964	1977	1964	1981	1971	1976	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	146356		156576			
ANNUAL MEAN	401		429		501	
HIGHEST ANNUAL MEAN					849	1950
LOWEST ANNUAL MEAN					160	1954
HIGHEST DAILY MEAN	7530	Apr 12	7750	May 19	19200	May 29 1956
LOWEST DAILY MEAN	30	Sep 20	39	Oct 5	9.2	Sep 18 1954
ANNUAL SEVEN-DAY MINIMUM	32	Sep 16	40	Oct 2	10	Sep 13 1954
INSTANTANEOUS PEAK FLOW			8390	May 19	27600	May 29 1956
INSTANTANEOUS PEAK STAGE			13.35	May 19	18.38	May 29 1956
ANNUAL RUNOFF (CFSM)	.85		.91		1.06	
ANNUAL RUNOFF (INCHES)	11.49		12.29		14.37	
10 PERCENT EXCEEDS	758		851		1140	
50 PERCENT EXCEEDS	179		227		209	
90 PERCENT EXCEEDS	49		56		46	

e Estimated

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 county road bridge, 0.8 mi southwest of St. Paul, 1.5 mi downstream from Mill Creek, and at mile 34.4.
DRAINAGE AREA.--303 mi².
PERIOD OF RECORD.--October 1930 to current year. Prior to October 1958, published as Flatrock Creek at St. Paul.
REVISED RECORDS.--WSP 853: 1934-36. WSP 973: 1942. WSP 1335: 1933, 1936. WSP 1725: 1957(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 764.84 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 21, 1938, nonrecording gage at site 500 ft upstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of approximately 20.5 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	23	62	64	e180	390	148	346	430	178	29	15
2	12	18	52	61	206	334	143	412	387	188	73	15
3	11	22	44	e50	250	281	137	382	388	146	33	12
4	9.3	24	41	e48	277	241	145	334	351	135	29	11
5	7.6	35	42	e46	e235	229	136	324	313	136	194	10
6	7.6	40	44	e45	e214	258	130	297	292	117	984	9.6
7	8.2	38	43	e47	e200	473	132	268	268	118	652	9.9
8	11	40	43	e48	e190	1570	159	248	247	105	508	12
9	19	38	57	e50	e180	1520	216	333	229	92	257	15
10	19	50	105	e52	e177	951	175	425	212	86	156	20
11	18	52	210	e70	e174	681	183	390	203	80	111	15
12	20	48	199	272	e170	546	205	323	198	74	89	14
13	18	42	136	364	e160	441	206	304	179	69	75	14
14	18	38	106	317	e150	378	186	1840	163	63	66	14
15	17	34	90	668	e170	340	163	1790	151	59	57	13
16	17	34	94	666	e230	314	156	1000	146	57	49	11
17	13	31	227	424	e350	283	180	1480	139	67	45	11
18	13	31	307	319	537	250	178	3870	133	57	54	10
19	12	29	213	312	636	234	167	4780	129	49	99	9.8
20	13	27	153	756	672	229	174	3640	124	42	57	11
21	13	31	130	953	635	226	2400	2260	145	47	44	11
22	12	28	112	709	488	209	1910	1090	318	47	42	11
23	13	28	102	504	409	224	1580	703	258	62	33	10
24	13	26	95	383	350	205	1680	570	184	83	29	10
25	13	25	88	e330	295	180	1230	556	167	73	25	11
26	14	25	81	e290	266	166	848	801	169	62	23	11
27	14	32	78	e260	248	173	656	844	238	50	21	9.8
28	15	66	75	e230	320	181	512	640	212	43	19	9.4
29	15	84	72	e210	---	171	420	835	232	39	18	8.7
30	16	80	67	e190	---	161	377	718	221	34	17	8.2
31	30	---	63	e174	---	154	---	521	---	31	17	---
TOTAL	445.7	1119	3231	8912	8369	11993	14932	32324	6826	2489	3905	352.4
MEAN	14.4	37.3	104	287	299	387	498	1043	228	80.3	126	11.7
MAX	30	84	307	953	672	1570	2400	4780	430	188	984	20
MIN	7.6	18	41	45	150	154	130	248	124	31	17	8.2
CFSM	.05	.12	.34	.95	.99	1.28	1.64	3.44	.75	.26	.42	.04
IN.	.05	.14	.40	1.09	1.03	1.47	1.83	3.97	.84	.31	.48	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

MEAN	86.7	223	347	494	528	590	564	431	259	191	95.4	68.4
MAX	585	1342	1567	3450	1808	1605	1534	1284	991	915	716	392
(WY)	1937	1994	1991	1937	1950	1961	1964	1968	1947	1979	1979	1989
MIN	1.96	9.67	9.98	15.1	27.7	41.8	51.9	42.9	19.7	9.28	4.06	3.37
(WY)	1964	1954	1964	1977	1935	1941	1941	1934	1934	1936	1988	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995		
ANNUAL TOTAL	90299.3		94898.1				
ANNUAL MEAN	247		260		322		
HIGHEST ANNUAL MEAN					642		1950
LOWEST ANNUAL MEAN					40.6		1941
HIGHEST DAILY MEAN	5120	Apr 12	4780	May 19	16500	Jan 5	1949
LOWEST DAILY MEAN	5.2	Sep 21	7.6	Oct 5	.60	Aug 7	1931
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 16	9.5	Oct 2	.80	Oct 12	1963
INSTANTANEOUS PEAK FLOW			5130	May 19	18500	Jan 5	1949
INSTANTANEOUS PEAK STAGE			6.23	May 19	12.37	May 24	1968
ANNUAL RUNOFF (CFSM)	.82		.86		1.06		
ANNUAL RUNOFF (INCHES)	11.09		11.65		14.45		
10 PERCENT EXCEEDS	482		596		749		
50 PERCENT EXCEEDS	117		135		132		
90 PERCENT EXCEEDS	13		13		16		

e Estimated

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^2.
PERIOD OF RECORD.--October 1967 to current year.
GAGE.--Water-stage recorder. Datum of gage is 610.14 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	39	140	144	e400	685	295	632	775	335	70	87
2	47	41	121	140	464	655	286	658	708	282	68	84
3	43	44	107	135	545	575	277	695	677	272	99	78
4	40	45	101	e106	599	522	272	625	642	239	79	75
5	38	50	100	e100	e520	489	270	599	585	241	113	74
6	38	58	97	e98	e420	500	255	566	541	234	810	70
7	37	63	95	e100	e380	597	249	521	505	207	900	66
8	36	63	95	e103	e340	1930	250	483	464	199	1710	72
9	39	68	100	e106	e310	2220	333	467	427	182	751	74
10	36	88	134	e110	e300	1680	334	572	393	160	556	72
11	35	92	267	e115	e290	1140	298	565	369	147	417	71
12	38	95	377	319	e270	914	313	519	357	138	328	72
13	39	91	325	595	e260	778	355	469	337	131	274	73
14	41	87	254	577	e250	691	333	1270	312	123	240	79
15	40	82	215	627	e270	630	301	3200	289	117	216	73
16	39	78	198	893	e400	586	281	1890	274	119	192	70
17	39	72	313	735	e800	544	289	1510	265	122	177	69
18	39	70	536	586	964	504	346	3460	244	120	167	66
19	40	66	493	522	1160	471	328	7380	235	109	183	63
20	39	64	386	787	1250	455	306	7290	233	98	235	66
21	37	64	313	1270	1200	442	1860	4560	240	95	181	64
22	37	63	273	1130	969	416	3820	2400	266	95	158	63
23	36	63	245	848	804	424	2540	1380	393	99	144	60
24	36	61	227	689	712	435	2550	1090	344	112	129	59
25	36	59	212	568	625	385	2240	987	297	142	120	57
26	35	59	198	e490	570	351	1520	981	295	134	117	56
27	35	64	185	e420	535	342	1130	1210	291	118	109	55
28	35	77	174	e410	574	349	897	1030	318	103	103	54
29	35	121	166	e400	---	341	757	1210	301	91	98	53
30	36	142	159	e370	---	324	681	1160	356	83	93	52
31	37	---	150	e350	---	309	---	909	---	74	90	---
TOTAL	1187	2129	6756	13843	16181	20684	23966	50288	11733	4721	8927	2027
MEAN	38.3	71.0	218	447	578	667	799	1622	391	152	288	67.6
MAX	49	142	536	1270	1250	2220	3820	7380	775	335	1710	87
MIN	35	39	95	98	250	309	249	467	233	74	68	52
CFSM	.07	.13	.41	.84	1.08	1.25	1.50	3.04	.73	.29	.54	.13
IN.	.08	.15	.47	.96	1.13	1.44	1.67	3.50	.82	.33	.62	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	171	480	705	728	984	975	955	835	460	406	274	159
MAX	912	2336	2092	1827	2524	2223	1768	2281	1100	1556	1296	837
(WY)	1994	1994	1991	1969	1982	1978	1989	1968	1968	1979	1979	1989
MIN	33.2	47.6	44.8	30.6	189	204	251	132	77.2	50.8	35.0	30.1
(WY)	1992	1977	1977	1977	1992	1992	1976	1976	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	169108		162442			
ANNUAL MEAN	463		445		592	
HIGHEST ANNUAL MEAN					842	1979
LOWEST ANNUAL MEAN					271	1977
HIGHEST DAILY MEAN	8030	Apr 12	7380	May 19	18200	Dec 31 1990
LOWEST DAILY MEAN	32	Sep 22	35	Oct 11	22	Oct 5 1967
ANNUAL SEVEN-DAY MINIMUM	34	Sep 16	35	Oct 23	23	Oct 1 1967
INSTANTANEOUS PEAK FLOW			8020	May 19	20000	May 25 1968
INSTANTANEOUS PEAK STAGE			12.38	May 19	15.87	May 25 1968
ANNUAL RUNOFF (CFSM)	.87		.83		1.11	
ANNUAL RUNOFF (INCHES)	11.78		11.32		15.07	
10 PERCENT EXCEEDS	816		934		1310	
50 PERCENT EXCEEDS	263		255		316	
90 PERCENT EXCEEDS	40		51		60	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1947 to current year. Prior to January 1948 monthly discharge only, published in WSP 1305.
REVISED RECORDS.--WSP 1335: 1948-49. WSP 2109: Drainage area.
GAGE.--Water-stage recorder above concrete control. Datum of gage is 603.12 ft above sea level. Prior to Oct. 22, 1952, nonrecording gage 600 ft upstream at same datum.
REMARKS.--Records good except for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	115	328	306	1080	1900	858	1730	3300	1130	403	361
2	115	127	287	294	1150	1790	818	1970	3290	994	419	334
3	106	131	253	281	1380	1510	812	1820	4660	904	406	315
4	99	138	238	228	1550	1340	801	1610	3680	829	380	302
5	96	164	239	e190	1430	1260	738	1590	2720	808	665	292
6	95	223	239	e215	e1000	1320	741	1470	2170	815	1920	281
7	93	304	250	268	e880	3200	985	1330	1850	759	2120	277
8	94	290	243	e240	e800	7840	915	1210	1620	721	3850	303
9	107	255	266	e230	e720	8970	855	1170	1440	671	1640	333
10	104	271	377	e230	e700	6120	999	1280	1320	628	1190	344
11	111	278	723	292	e660	4250	1120	1280	1240	597	979	323
12	114	300	881	573	e640	3310	1050	1210	1180	571	834	314
13	113	260	750	1200	e625	2640	e1000	1140	1100	546	730	319
14	111	232	610	1310	e620	2180	e1100	2980	1030	525	652	385
15	107	213	511	1320	781	1920	e1100	8500	978	509	597	393
16	105	206	487	1700	1600	1750	e940	6160	938	518	559	363
17	100	195	705	1460	2230	1580	e1050	4820	903	624	523	333
18	99	184	1250	1160	2220	1440	1140	10600	866	589	511	313
19	106	175	1140	1070	2860	1320	1010	18200	837	511	572	302
20	104	166	902	1670	3340	1260	1010	21500	831	474	894	314
21	99	174	745	3260	3350	1230	5530	18600	840	466	638	301
22	98	167	646	3160	2760	1180	8720	11600	929	464	558	295
23	96	164	576	2310	2200	1210	6930	5310	1190	507	486	288
24	97	164	524	1800	1880	1280	6610	4180	985	568	445	279
25	100	159	477	e1370	1600	1130	5970	3950	1030	701	419	273
26	102	154	432	e1210	1430	1020	4430	4080	972	614	399	270
27	104	175	400	e1130	1340	1000	3360	3990	935	596	381	266
28	103	246	377	e1180	1490	1040	2650	4670	933	574	365	261
29	102	332	357	e1200	---	1050	2120	7010	1070	511	350	257
30	102	399	341	e1120	---	946	1870	6420	1300	459	343	249
31	105	---	320	1080	---	901	---	4290	---	426	365	---
TOTAL	3210	6361	15874	33057	42316	68887	67232	165670	46137	19609	24593	9240
MEAN	104	212	512	1066	1511	2222	2241	5344	1538	633	793	308
MAX	123	399	1250	3260	3350	8970	8720	21500	4660	1130	3850	393
MIN	93	115	238	190	620	901	738	1140	831	426	343	249
CFSM	.06	.12	.30	.62	.89	1.30	1.31	3.13	.90	.37	.46	.18
IN.	.07	.14	.35	.72	.92	1.50	1.47	3.61	1.01	.43	.54	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	556	1399	2008	2631	3062	3269	3038	2412	1488	1290	782	527
MAX	2957	8137	6004	14400	8640	8014	7466	6501	5565	4990	5185	3696
(WY)	1987	1994	1967	1950	1950	1963	1964	1968	1958	1958	1979	1989
MIN	104	172	191	163	342	829	852	532	325	161	136	101
(WY)	1995	1955	1964	1977	1964	1954	1971	1976	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	530786		502186			
ANNUAL MEAN	1454		1376		1866	
HIGHEST ANNUAL MEAN					3304	1950
LOWEST ANNUAL MEAN					534	1954
HIGHEST DAILY MEAN	21100	Jan 29	21500	May 20	49000	Mar 6 1963
LOWEST DAILY MEAN	85	Sep 22	93	Oct 7	85	Sep 22 1994
ANNUAL SEVEN-DAY MINIMUM	91	Sep 16	98	Oct 4	90	Sep 28 1954
INSTANTANEOUS PEAK FLOW			22100	May 20	52300	Mar 6 1963
INSTANTANEOUS PEAK STAGE			10.19	May 20	16.23	Mar 6 1963
ANNUAL RUNOFF (CFSM)	.85		.81		1.09	
ANNUAL RUNOFF (INCHES)	11.57		10.94		14.85	
10 PERCENT EXCEEDS	3060		3270		4200	
50 PERCENT EXCEEDS	705		741		960	
90 PERCENT EXCEEDS	111		157		250	

e Estimated

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 mi².
PERIOD OF RECORD.--February 1948 to current year.
REVISED RECORDS.--WSP 1335: 1950. WSP 1725: 1949(M). WSP 2109: Drainage area. WDR IN-74-1: 1973.
GAGE.--Water-stage recorder. Datum of gage is 677.34 ft above sea level. Prior to Sept. 24, 1952, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached an elevation of 702.4 ft above sea level, from floodmarks, upstream from bridge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.4	e.90	e11	e19	e44	132	38	94	108	33	1.1	9.5
2	e1.5	e1.0	e10	e17	e50	100	36	147	96	22	231	7.5
3	e.72	e1.2	e9.2	e15	e78	85	35	126	86	17	59	5.8
4	e.34	e1.5	e8.6	e14	e76	74	36	106	72	15	23	4.8
5	e.31	e2.5	e8.4	e13	e70	73	33	111	65	32	445	4.1
6	e.28	e16	e8.2	e14	e64	84	31	103	61	28	2190	3.2
7	e.35	e15	e8.6	e14	e60	257	32	89	55	32	1710	2.7
8	e.50	e14	e14	e15	e57	810	32	80	49	28	1730	4.2
9	e.68	e15	e25	e15	e54	433	84	302	43	16	367	5.3
10	e.67	e20	e50	e16	e53	288	67	394	39	12	197	6.0
11	e.66	e21	e90	e30	e52	221	50	303	37	10	122	5.1
12	e.62	e19	e86	e100	e50	168	53	174	38	8.2	83	5.2
13	e.61	e17	e45	e160	e48	128	50	142	33	6.3	60	6.7
14	e.58	e15	e35	e140	e47	108	43	552	29	5.1	46	9.2
15	e.56	e14	e28	e200	e48	96	38	335	26	4.1	39	5.5
16	e.52	e12	e29	e280	e64	86	36	182	25	3.8	34	4.1
17	e.48	e11	e80	e100	e94	75	84	208	23	4.2	32	3.2
18	e.47	e9.6	e130	e94	e160	65	101	1690	21	5.1	56	3.3
19	e.46	e9.1	e100	e120	e320	61	70	925	20	3.2	405	2.6
20	e.46	e9.0	e80	e370	384	66	63	422	22	1.9	93	3.8
21	e.46	e8.9	e60	e410	327	64	2000	254	96	2.4	54	4.4
22	e.47	e8.8	e50	e250	210	55	720	172	61	2.2	39	3.7
23	e.47	e8.4	e44	e150	173	78	466	132	41	3.0	31	2.8
24	e.48	e8.0	e39	e74	135	67	853	135	35	70	26	1.9
25	e.49	e7.8	e36	e57	104	53	450	579	28	37	22	1.3
26	e.56	e8.0	e33	e52	95	48	294	305	24	19	19	1.1
27	e.60	e10	e31	e48	87	51	202	187	60	11	16	1.1
28	e.66	e40	e28	e45	138	49	145	335	44	6.6	14	.88
29	e.70	e25	e25	e43	---	44	118	286	42	4.4	12	.63
30	e.76	e18	e23	e41	---	43	103	168	42	2.9	e11	e.50
31	e.82	---	e21	e40	---	41	---	126	---	1.7	e10	---
TOTAL	20.64	366.70	1246.0	2956	3142	4003	6363	9164	1421	447.1	8177.1	120.11
MEAN	.67	12.2	40.2	95.4	112	129	212	296	47.4	14.4	264	4.00
MAX	3.4	40	130	410	384	810	2000	1690	108	70	2190	9.5
MIN	.28	.90	8.2	13	44	41	31	80	20	1.7	1.1	.50
CFSM	.01	.13	.44	1.04	1.23	1.41	2.32	3.23	.52	.16	2.89	.04
IN.	.01	.15	.51	1.20	1.28	1.63	2.59	3.73	.58	.18	3.33	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	21.7	74.9	119	158	168	182	151	128	63.0	56.7	34.2	19.2
MAX	183	431	515	874	551	465	360	424	209	242	264	261
(WY)	1978	1986	1991	1949	1950	1961	1964	1968	1958	1992	1995	1974
MIN	.000	.000	.13	1.47	7.17	21.1	17.7	10.9	1.16	.000	.000	.000
(WY)	1954	1954	1954	1977	1954	1954	1976	1976	1988	1954	1954	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	31461.36		37426.65			
ANNUAL MEAN	86.2		103		97.7	
HIGHEST ANNUAL MEAN					197	1950
LOWEST ANNUAL MEAN					9.00	1954
HIGHEST DAILY MEAN	2770	Apr 10	2190	Aug 6	6180	Jan 21 1959
LOWEST DAILY MEAN	.03	Sep 22	.28	Oct 6	.00	Oct 14 1948
ANNUAL SEVEN-DAY MINIMUM	.05	Sep 17	.45	Oct 4	.00	Sep 2 1951
INSTANTANEOUS PEAK FLOW			3670	Aug 8	11300	Jan 21 1959
INSTANTANEOUS PEAK STAGE			8.34	Aug 8	14.29	Jan 21 1959
ANNUAL RUNOFF (CFSM)	.94		1.12		1.07	
ANNUAL RUNOFF (INCHES)	12.80		15.23		14.53	
10 PERCENT EXCEEDS	151		239		216	
50 PERCENT EXCEEDS	34		37		31	
90 PERCENT EXCEEDS	.64		1.1		.80	

e Estimated

03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN

LOCATION.--Lat 38°58'57", long 85°53'57", in NW¼NE¼ sec.7, T.6 N., R.6 E., Jackson County, Hydrologic Unit 05120206, on left bank 1,700 ft downstream from highway bridge, 1 mi north of Seymour, 9.5 mi downstream from Sand Creek, and at mile 214.6.
DRAINAGE AREA.--2,341 mi².
PERIOD OF RECORD.--October 1927 to current year. Yearly maximum discharge only for water years 1924-27 published in WSP 1305. Daily gage heights from May 1923 to September 1927 are available in the district office.
REVISED RECORDS.--WSP 743: 1928-29, 1931-32. WSP 783: 1934. WSP 873: 1938. WSP 1335: 1928(M), 1929-30, 1932-33(M), 1937(M), 1942. WSP 1435: 1949. WSP 1705: 1958. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 550.67 ft above sea level. Oct. 1, 1927 to July 2, 1931, nonrecording gage 1,700 ft upstream at datum 7.61 ft higher. July 3, 1931 to July 16, 1934, nonrecording gage at site 100 ft downstream at present datum.
REMARKS.--Records good except for estimated daily discharges, which are fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 21.0 ft, from information by Corps of Engineers and Indiana Department of Highways, discharge, 120,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	296	724	722	1900	2450	1510	3050	5050	1610	495	612
2	338	295	652	701	2320	2550	1460	3570	4120	1400	482	588
3	322	307	613	681	2570	2280	1420	3660	5020	1230	551	563
4	307	317	582	642	2560	2010	1390	3120	4970	1100	548	541
5	298	343	749	e520	2360	1850	1360	3270	3890	1060	552	520
6	297	380	819	592	1900	2070	1330	3100	3230	1100	5960	502
7	296	438	706	679	1550	2460	1280	2700	2830	1040	6960	487
8	292	519	654	e650	e1380	6740	1280	2430	2520	942	12300	487
9	308	526	1010	e640	e1270	10800	1490	3310	2280	892	17100	496
10	298	940	2550	650	e1200	11200	1620	5830	2100	816	4340	496
11	292	893	3240	766	e1130	8960	1450	3590	1940	767	2740	485
12	300	718	1980	1400	e1070	5460	1460	2960	1850	727	2040	471
13	308	658	1560	1700	e1010	4270	1630	2720	1750	693	1640	464
14	311	592	1280	1890	e970	3670	1630	4370	1640	663	1390	479
15	303	551	1100	2670	1240	3260	1510	8120	1530	702	1230	487
16	301	540	1030	2610	4400	2920	1400	9760	1430	763	1120	482
17	296	575	2530	2300	4100	2660	1450	7270	1360	771	1040	464
18	293	564	2270	1890	3570	2430	1910	13400	1280	762	993	435
19	302	524	2030	1750	3720	2240	1830	42300	1210	664	1110	418
20	297	492	1650	2610	4230	2110	1610	31100	1160	612	1440	425
21	290	488	1390	3530	4440	2050	6110	29400	1210	594	1210	419
22	290	489	1220	3960	4130	1970	18900	22600	1460	576	1020	401
23	286	475	1110	3330	3410	1890	13100	12500	1550	610	912	387
24	281	460	1030	2690	2930	2000	11600	6480	1480	670	837	382
25	281	451	963	2160	2520	1930	11100	5800	1480	759	783	374
26	283	438	904	e1680	2210	1760	8330	6170	1420	770	746	369
27	284	445	858	e1600	2030	1690	5790	5460	1310	686	711	360
28	287	746	822	e1980	2060	1690	4440	5350	1310	661	682	353
29	290	822	790	3000	---	1700	3740	10000	1370	617	653	343
30	286	765	762	2560	---	1630	3330	10500	1600	565	630	335
31	286	---	738	2060	---	1560	---	7630	---	525	616	---
TOTAL	9262	16047	38316	54613	68180	102260	116460	281520	65350	25347	72831	13625
MEAN	299	535	1236	1762	2435	3299	3882	9081	2178	818	2349	454
MAX	359	940	3240	3960	4440	11200	18900	42300	5050	1610	17100	612
MIN	281	295	582	520	970	1560	1280	2430	1160	525	482	335
CFSM	.13	.23	.53	.75	1.04	1.41	1.66	3.88	.93	.35	1.00	.19
IN.	.15	.25	.61	.87	1.08	1.62	1.85	4.47	1.04	.40	1.16	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	716	1648	2560	3808	4007	4583	4277	3310	2026	1572	975	644
MAX	3599	11570	9245	19560	12290	10690	9211	9379	7164	6040	8795	4244
(WY)	1994	1994	1928	1950	1950	1963	1944	1968	1947	1979	1979	1989
MIN	162	182	207	192	373	299	356	264	394	199	148	136
(WY)	1941	1935	1964	1977	1931	1941	1941	1941	1931	1941	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	825979		863811			
ANNUAL MEAN	2263		2367		2503	
HIGHEST ANNUAL MEAN					4575	1950
LOWEST ANNUAL MEAN					287	1941
HIGHEST DAILY MEAN	30600	Jan 29	42300	May 19	63500	Jan 6 1949
LOWEST DAILY MEAN	281	Oct 24	281	Oct 24	86	Sep 28 1941
ANNUAL SEVEN-DAY MINIMUM	285	Oct 22	285	Oct 22	93	Sep 25 1941
INSTANTANEOUS PEAK FLOW			46600	May 19	78500	Jan 5 1949
INSTANTANEOUS PEAK STAGE			18.36	May 19	19.67	Jan 5 1949
ANNUAL RUNOFF (CFSM)	.97		1.01		1.07	
ANNUAL RUNOFF (INCHES)	13.13		13.73		14.53	
10 PERCENT EXCEEDS	4100		4990		5610	
50 PERCENT EXCEEDS	1120		1270		1200	
90 PERCENT EXCEEDS	310		343		297	

e Estimated

03365575 VON FANGE DITCH AT SEYMOUR, IN

LOCATION.--Lat 38°56'42", long 85°54'54", in NW¼SE¼ sec. 24, T.6 N., R.5 E., Jackson County, Hydrologic Unit 05120206, on left bank 4500 ft upstream of U.S. 50 bridge over Von Fange Ditch, 1.5 mi southwest of Seymour, 1.0 mi north of Freeman Municipal Airport, and 1.8 mi upstream from mouth.
DRAINAGE AREA.--4.17 mi².

PERIOD OF RECORD.--October 17, 1994 to September 30, 1995.

GAGE.--Water-stage recorder and Acoustic Velocity Meter. Datum of gage is 557.30 ft above sea level.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	.00	e.01	e1.1	.54	.49	e17	4.8	.83	.60	.12
2	e.00	e.00	.00	e.01	e1.0	.42	.43	e11	7.2	.75	.72	.11
3	e.00	.00	.00	e.00	e.86	.41	.41	e10	5.3	.69	.32	.09
4	e.00	.26	4.2	.00	e.70	.38	.45	e9.4	3.3	.67	.32	.09
5	e.00	2.6	4.1	.00	e.54	1.8	.31	e8.0	2.9	1.9	37	.09
6	e.00	.59	.05	3.1	e.52	8.1	.27	e4.8	2.7	.26	21	.09
7	e.00	.00	.00	3.6	e.52	14	e.26	e3.6	2.3	.20	9.6	.10
8	e.00	.00	.00	.66	e.47	14	e.25	e3.6	2.6	.20	6.7	.43
9	e.00	7.0	14	.40	e.44	5.4	e11	e27	2.0	.19	5.4	.08
10	e.00	3.1	14	.31	e.42	3.8	e19	e12	1.6	.20	2.4	.04
11	e.00	.01	5.8	3.2	e.35	2.9	e5.0	3.9	2.1	.21	1.5	.04
12	e.00	.00	2.6	1.8	e.27	2.2	1.7	2.8	2.3	.23	1.0	.04
13	e.00	.00	1.8	.91	e.24	1.7	.57	11	1.5	.25	.73	.07
14	e.00	.00	1.2	1.9	e1.2	1.5	.47	5.6	1.2	e.70	.58	.16
15	e.00	.00	.82	1.3	17	1.3	.43	2.9	1.1	e3.0	.44	.01
16	e.00	1.3	e3.0	.66	6.3	1.2	.51	2.6	1.1	e40	.35	2.2
17	e.00	.00	e8.0	.57	2.7	1.1	3.3	9.9	2.7	e10	.50	.12
18	.42	.00	e4.5	.42	2.0	.97	.81	83	1.5	e2.0	1.5	.00
19	1.4	.00	e2.0	3.6	1.7	.95	.42	19	.87	e.88	.59	.00
20	.00	.00	e1.2	2.6	1.4	1.0	6.7	8.1	4.1	e.68	.30	1.3
21	.00	.23	e.60	1.3	1.0	.94	47	5.0	4.9	e.56	.24	.05
22	.00	.00	e.30	1.1	.76	.98	8.1	3.5	3.4	e.68	.20	.00
23	.00	.00	e.17	.67	.68	.78	12	2.7	1.4	e2.0	.19	.00
24	.00	.00	e.08	.65	.53	.69	13	2.1	1.1	e6.6	.18	.00
25	.00	.00	e.04	.59	.45	.59	e9.0	28	.90	e1.1	.16	.00
26	.00	.00	e.02	.52	.45	.59	e7.4	9.4	e.72	e.84	.14	.00
27	e.00	3.6	e.01	.53	1.4	1.4	e5.8	7.5	e.90	.66	.14	.00
28	e.00	1.1	e.00	9.1	1.7	.71	e5.0	20	11	.58	.13	.00
29	e.00	.00	e.00	3.6	---	.76	e4.5	33	4.1	.52	.13	.00
30	e.00	.00	e.00	1.5	---	.72	e6.4	9.5	1.2	.48	.13	.00
31	e.00	---	e.00	e1.2	---	.55	---	6.1	---	.45	.13	---
TOTAL	1.82	19.79	68.49	45.81	46.70	72.38	170.98	382.0	82.79	78.31	93.32	5.23
MEAN	.059	.66	2.21	1.48	1.67	2.33	5.70	12.3	2.76	2.53	3.01	.17
MAX	1.4	7.0	14	9.1	17	14	47	83	11	40	37	2.2
MIN	.00	.00	.00	.00	.24	.38	.25	2.1	.72	.19	.13	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1995, BY WATER YEAR (WY)

MEAN	.059	.66	2.21	1.48	1.67	2.33	5.70	12.3	2.76	2.53	3.01	.17
MAX	.059	.66	2.21	1.48	1.67	2.33	5.70	12.3	2.76	2.53	3.01	.17
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	.059	.66	2.21	1.48	1.67	2.33	5.70	12.3	2.76	2.53	3.01	.17
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS FOR 1995 WATER YEAR

ANNUAL TOTAL	1067.62	
ANNUAL MEAN	2.92	
HIGHEST DAILY MEAN	83	May 18
LOWEST DAILY MEAN	.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1
INSTANTANEOUS PEAK FLOW	172	May 18
INSTANTANEOUS PEAK STAGE	6.05	May 18
INSTANTANEOUS LOW FLOW	.00	Oct 1
10 PERCENT EXCEEDS	8.0	
50 PERCENT EXCEEDS	.68	
90 PERCENT EXCEEDS	.00	

e Estimated

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, mounted on 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^2.
PERIOD OF RECORD.--August 1968 to current year.
GAGE.--Water-stage recorder. Datum of gage is 725.75 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.53	2.7	2.4	21	7.2	1.8	9.5	4.8	.43	.05	.00
2	.01	.60	2.3	e1.8	42	4.8	1.6	75	8.3	.26	.02	.00
3	.00	.88	2.1	e1.3	26	4.0	1.5	16	7.3	.18	.00	.00
4	.00	.67	7.1	e1.2	15	3.6	2.0	10	3.4	.26	.00	.00
5	.00	1.9	40	e1.1	e8.3	14	2.0	8.1	2.3	38	40	.00
6	.00	6.8	12	10	e5.6	40	1.6	5.8	1.7	9.0	43	.00
7	.00	2.8	7.8	31	e4.3	83	1.5	4.4	1.3	2.3	160	.00
8	.00	1.5	5.8	12	e3.7	148	3.0	3.5	.99	1.2	64	.00
9	.00	13	109	7.1	e3.3	35	78	44	.89	.74	11	.00
10	.00	12	96	9.8	e2.9	22	15	22	.75	.52	5.1	.00
11	.00	3.7	47	39	e2.7	15	7.8	14	.70	.36	3.1	.00
12	.00	2.0	15	31	e2.5	10	17	8.4	1.2	.22	2.1	.00
13	.52	1.3	9.2	16	e2.3	7.7	9.7	87	.81	.14	1.4	.00
14	2.2	1.1	6.7	46	e2.2	6.2	5.7	51	.56	.08	1.1	.00
15	.99	1.0	5.3	55	163	5.2	4.4	14	.39	.03	.88	.00
16	.55	6.3	26	18	113	4.4	3.8	8.2	.32	.07	.76	.00
17	.39	4.2	47	9.9	30	4.0	8.6	48	.22	.06	.61	.00
18	.47	2.4	15	7.1	18	3.5	8.5	380	.21	.00	.60	.00
19	5.8	1.7	8.7	17	14	3.2	5.0	54	.18	.00	.53	.00
20	3.5	1.3	6.2	26	12	3.1	5.5	16	.63	.00	.74	.29
21	2.4	2.6	5.0	13	9.2	3.0	144	8.9	3.4	.00	1.0	.42
22	1.4	2.9	4.3	7.9	6.8	2.8	17	5.8	2.7	.59	.39	.05
23	1.0	1.7	4.0	e4.9	6.2	2.6	14	4.1	.72	49	.23	.00
24	.78	1.4	3.5	e4.1	6.3	2.4	42	3.1	1.4	19	.18	.00
25	.66	1.3	3.2	e3.7	4.8	2.1	13	275	.92	2.5	.14	.00
26	.54	1.1	2.9	e3.4	4.3	2.1	7.3	38	.55	1.3	.07	.00
27	.45	4.7	2.7	e3.3	4.2	2.5	4.7	13	.69	.71	.01	.00
28	.37	29	2.5	34	10	2.7	3.4	82	.53	.45	.00	.00
29	.32	6.1	2.4	29	---	2.3	3.2	35	.77	.31	.00	.00
30	.28	3.6	2.2	16	---	2.1	3.4	12	.68	.21	.00	.00
31	.32	---	2.2	e7.3	---	2.0	---	6.9	---	.10	.00	---
TOTAL	23.04	120.08	505.8	469.3	543.6	450.5	436.0	1362.7	49.31	128.02	337.01	0.76
MEAN	.74	4.00	16.3	15.1	19.4	14.5	14.5	44.0	1.64	4.13	10.9	.025
MAX	5.8	29	109	55	163	148	144	380	8.3	49	160	.42
MIN	.00	.53	2.1	1.1	2.2	2.0	1.5	3.1	.18	.00	.00	.00
CFSM	.08	.43	1.75	1.63	2.09	1.56	1.56	4.72	.18	.44	1.17	.00
IN.	.09	.48	2.02	1.88	2.17	1.80	1.74	5.44	.20	.51	1.35	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	4.00	14.2	18.9	18.3	21.1	25.5	23.0	15.6	6.10	4.18	4.49	1.92
MAX	28.8	48.6	64.1	57.5	51.9	52.0	44.1	61.1	27.2	14.7	28.2	18.7
(WY)	1984	1980	1991	1982	1971	1975	1972	1983	1982	1993	1992	1979
MIN	.081	.29	1.52	.49	1.47	4.72	2.65	1.12	.083	.21	.11	.003
(WY)	1970	1982	1977	1977	1992	1969	1976	1976	1988	1991	1975	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	3993.17		4426.12			
ANNUAL MEAN	10.9		12.1		13.1	
HIGHEST ANNUAL MEAN					21.0	1979
LOWEST ANNUAL MEAN					6.13	1981
HIGHEST DAILY MEAN	281	Apr 29	380	May 18	769	Aug 8 1992
LOWEST DAILY MEAN	.00	Jun 18	.00	Oct 3	.00	Oct 1 1968
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 10	.00	Oct 3	.00	Aug 26 1969
INSTANTANEOUS PEAK FLOW			928	May 18	2150	May 16 1990
INSTANTANEOUS PEAK STAGE			6.45	May 18	8.96	May 16 1990
ANNUAL RUNOFF (CFSM)	1.18		1.30		1.40	
ANNUAL RUNOFF (INCHES)	15.96		17.69		19.06	
10 PERCENT EXCEEDS	22		32		26	
50 PERCENT EXCEEDS	2.6		2.7		2.5	
90 PERCENT EXCEEDS	.01		.00		.09	

e Estimated

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^2.
PERIOD OF RECORD.--November 1947 to current year.
REVISED RECORDS.--WSP 1335: 1948. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 540.00 ft above sea level. Prior to June 22, 1955, nonrecording gage at same site. Prior to Aug. 25, 1983, at datum 1.17 ft higher.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	2.8	71	60	e390	444	62	135	287	288	26	15
2	4.8	2.7	44	58	911	260	59	1140	328	124	24	14
3	4.5	2.9	31	e50	876	182	56	798	477	69	21	14
4	3.8	3.9	29	e44	620	149	58	389	449	51	20	15
5	3.1	8.2	503	e39	e400	190	54	292	220	385	167	15
6	3.5	17	573	e70	e260	792	52	290	145	448	2830	14
7	3.6	15	242	427	e200	1400	52	194	111	224	1030	14
8	4.3	14	138	299	e170	5040	52	143	94	106	3340	14
9	6.1	22	1070	206	e140	1600	1880	2380	323	67	776	14
10	6.7	142	2590	168	e130	808	1010	3070	172	52	319	15
11	e5.2	90	2320	483	e110	584	413	842	108	43	167	14
12	e5.8	52	731	773	e96	436	418	482	123	37	105	14
13	e6.4	28	396	556	e88	323	557	1030	121	33	75	14
14	e5.4	17	252	754	e81	253	310	1990	83	30	58	14
15	e4.7	11	181	1720	755	207	203	835	65	28	48	14
16	e4.1	36	234	836	4200	176	156	416	54	350	41	14
17	e3.5	62	1230	473	1390	151	181	704	48	407	36	16
18	8.0	56	553	318	809	130	392	8280	43	129	37	16
19	13	42	321	312	629	116	277	5190	39	63	46	15
20	14	25	216	747	512	108	190	1150	36	42	33	16
21	10	20	166	667	416	104	2940	578	70	34	33	18
22	12	20	136	412	313	95	1670	377	588	30	30	17
23	3.1	18	118	282	242	89	593	258	152	192	27	16
24	2.6	14	104	e190	214	88	1180	185	94	622	24	16
25	3.3	12	92	e150	184	100	855	2900	99	137	22	16
26	2.7	11	82	e130	155	81	489	2600	68	87	20	16
27	2.3	14	75	e120	142	78	325	743	57	67	19	16
28	2.5	446	72	e470	309	76	228	1610	47	51	17	15
29	3.0	479	67	e800	---	73	172	1880	60	41	16	15
30	2.8	155	62	e640	---	70	145	914	251	34	16	14
31	2.7	---	61	e450	---	65	---	450	---	30	15	---
TOTAL	162.5	1838.5	12760	12704	14742	14268	15029	42245	4812	4301	9438	450
MEAN	5.24	61.3	412	410	526	460	501	1363	160	139	304	15.0
MAX	14	479	2590	1720	4200	5040	2940	8280	588	622	3340	18
MIN	2.3	2.7	29	39	81	65	52	135	36	28	15	14
CFSM	.02	.21	1.40	1.40	1.80	1.57	1.71	4.65	.55	.47	1.04	.05
IN.	.02	.23	1.62	1.61	1.87	1.81	1.91	5.36	.61	.55	1.20	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	60.8	264	443	610	647	724	551	430	199	156	93.4	46.1
MAX	720	1438	1723	2896	1826	2055	1497	1967	879	661	748	480
(WY)	1984	1980	1991	1950	1950	1964	1972	1983	1960	1958	1992	1974
MIN	.000	.15	.21	9.24	18.1	65.2	73.2	23.8	9.46	.42	.000	.000
(WY)	1954	1964	1964	1977	1954	1954	1976	1976	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	110402.2		132750.0			
ANNUAL MEAN	302		364		351	
HIGHEST ANNUAL MEAN					636	1950
LOWEST ANNUAL MEAN					25.3	1954
HIGHEST DAILY MEAN	7060	Apr 30	8280	May 18	32400	Jan 21 1959
LOWEST DAILY MEAN	2.3	Oct 27	2.3	Oct 27	.00	Oct 1 1948
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 26	2.7	Oct 26	.00	Oct 1 1948
INSTANTANEOUS PEAK FLOW			13000	May 18	52200	Jan 21 1959
INSTANTANEOUS PEAK STAGE			23.32	May 18	34.30	Jan 21 1959
ANNUAL RUNOFF (CFSM)	1.03		1.24		1.20	
ANNUAL RUNOFF (INCHES)	14.02		16.85		16.26	
10 PERCENT EXCEEDS	560		835		743	
50 PERCENT EXCEEDS	71		104		75	
90 PERCENT EXCEEDS	9.8		12		3.4	

e Estimated

03368000 BRUSH CREEK NEAR NEBRASKA, IN

LOCATION.--Lat 39°04'13", long 85°29'10" in NW¼NE¼ sec.11, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, at downstream side of bridge on right bank on county road, 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 mi².
PERIOD OF RECORD.--May 1955 to current year.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 717.17 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	e.52	3.8	2.5	25	9.2	2.4	16	8.4	17	.48	1.3
2	.35	e.92	3.4	e2.1	45	5.7	2.3	69	115	5.8	1.8	.96
3	.29	e.54	3.2	e1.7	24	4.7	2.2	12	27	3.7	.93	.80
4	.26	e.56	4.1	e1.5	13	4.2	2.4	14	11	3.2	.59	.72
5	.24	2.3	26	e1.3	e8.0	9.9	2.1	32	7.1	8.8	203	.60
6	.23	3.6	8.3	4.4	e6.0	139	2.1	11	5.2	3.8	36	.45
7	.21	2.7	6.0	13	e5.0	263	2.0	7.4	4.0	2.7	730	.41
8	.22	2.0	4.9	4.7	e4.4	144	5.5	5.5	3.3	2.2	58	.61
9	.33	11	114	3.5	e3.8	27	71	322	3.0	1.9	13	1.3
10	.47	9.1	112	5.9	e3.4	18	13	38	2.6	1.7	7.1	1.1
11	.43	3.1	34	43	e3.1	13	7.5	20	2.4	1.5	4.8	.88
12	.38	2.2	11	27	e2.9	9.5	40	11	3.1	1.3	3.7	.68
13	.51	1.9	6.7	12	e2.7	7.4	12	278	2.3	1.3	3.1	.66
14	.72	1.8	5.1	71	e2.8	6.1	7.7	170	2.0	1.2	2.6	.86
15	.56	1.7	4.2	47	276	5.3	5.7	20	1.8	1.2	2.2	.87
16	.52	2.7	61	14	96	4.7	4.8	11	1.6	3.7	2.1	.69
17	.49	2.8	43	8.6	34	4.1	19	83	1.4	4.0	5.8	.73
18	.54	2.3	12	6.4	26	3.6	9.1	749	1.3	1.2	5.4	e1.1
19	1.0	2.0	6.8	49	21	3.3	5.5	79	1.3	.95	3.2	e.47
20	e1.4	1.8	5.1	36	17	3.4	10	20	52	.84	2.2	e.66
21	e1.0	2.5	4.3	17	13	5.2	368	11	15	.90	1.9	e.76
22	e.90	2.7	3.8	10	8.2	3.5	26	7.8	3.9	.96	1.7	e.35
23	e.76	2.3	3.4	e6.8	7.1	4.8	28	5.7	6.9	1.3	1.6	e.25
24	e.71	2.0	3.2	e5.4	6.2	3.8	69	4.9	2.7	1.7	1.5	e.21
25	e.64	2.0	2.9	e4.8	4.9	3.1	19	197	2.1	1.4	1.5	e.19
26	e.60	1.9	2.8	e4.4	4.5	2.9	12	31	19	1.2	1.3	e.18
27	e.56	5.4	2.6	e4.2	4.5	3.2	8.4	13	8.5	1.0	1.2	e.16
28	e.48	31	2.5	79	22	2.9	6.3	127	16	.87	1.2	e.14
29	e.43	6.3	2.4	39	---	2.7	5.2	271	17	.80	1.2	e.12
30	e.42	4.5	2.3	18	---	2.6	4.9	22	83	.69	1.1	e.10
31	e.40	---	2.3	e11	---	2.5	---	11	---	.55	1.1	---
TOTAL	16.44	116.14	507.1	554.2	689.5	722.3	773.1	2669.3	429.9	79.36	1101.30	18.31
MEAN	.53	3.87	16.4	17.9	24.6	23.3	25.8	86.1	14.3	2.56	35.5	.61
MAX	1.4	31	114	79	276	263	368	749	115	17	730	1.3
MIN	.21	.52	2.3	1.3	2.7	2.5	2.0	4.9	1.3	.55	.48	.10
CFSM	.05	.34	1.43	1.57	2.16	2.04	2.26	7.55	1.26	.22	3.12	.05
IN.	.05	.38	1.65	1.81	2.25	2.36	2.52	8.71	1.40	.26	3.59	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1995, BY WATER YEAR (WY)

MEAN	2.37	10.4	17.2	18.6	22.2	28.2	23.4	19.6	7.35	7.38	4.50	1.63
MAX	19.7	64.5	86.9	70.4	51.8	89.6	59.8	86.1	45.2	72.0	41.9	11.0
(WY)	1984	1986	1991	1959	1971	1963	1972	1995	1981	1962	1978	1974
MIN	.000	.000	.000	.063	1.44	4.22	2.12	.76	.12	.025	.000	.000
(WY)	1958	1964	1964	1977	1964	1969	1976	1976	1965	1970	1964	1957

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1956 - 1995	
ANNUAL TOTAL	4327.29		7676.95			
ANNUAL MEAN	11.9		21.0		13.5	
HIGHEST ANNUAL MEAN					23.3	1973
LOWEST ANNUAL MEAN					5.92	1977
HIGHEST DAILY MEAN	735	Apr 10	749	May 18	1460	Jan 21 1959
LOWEST DAILY MEAN	.06	Aug 27	.10	Sep 30	.00	Oct 4 1955
ANNUAL SEVEN-DAY MINIMUM	.09	Aug 21	.16	Sep 24	.00	Aug 6 1956
INSTANTANEOUS PEAK FLOW			4740	Aug 7	9360	Jun 10 1981
INSTANTANEOUS PEAK STAGE			12.05	Aug 7	12.99	Jun 10 1981
ANNUAL RUNOFF (CFSM)	1.04		1.84		1.19	
ANNUAL RUNOFF (INCHES)	14.12		25.05		16.12	
10 PERCENT EXCEEDS	19		38		23	
50 PERCENT EXCEEDS	2.4		3.6		2.1	
90 PERCENT EXCEEDS	.23		.56		.00	

e Estimated

03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN

LOCATION.--Lat 39°02'55", long 85°32'40", in NW¼SE¼ sec.17, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on left bank 0.3 mi downstream from Muscatatuck State School dam, 1.1 mi downstream from Brush Creek, 2 mi northwest of Butlerville, and at mile 50.6.
DRAINAGE AREA.--85.9 mi².
PERIOD OF RECORD.--February 1942 to current year. Prior to October 1960, published as North Fork of Vernon Fork near Butlerville, and as Vernon Fork near Butlerville, October 1960 to September 1979.
REVISED RECORDS.--WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 669.40 ft above sea level. Prior to Aug. 19, 1942, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Water supply for the Muscatatuck State School is diverted and the sewage effluent returned above station. Flow regulated by Brush Creek Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.8	e1.4	19	17	104	111	22	71	91	106	e7.2	e5.6
2	e2.7	e1.5	15	16	224	79	21	400	333	48	e8.4	e5.4
3	e2.0	e1.5	13	13	206	64	20	156	212	28	e7.6	e5.4
4	e1.8	e1.6	14	e7.0	128	57	22	116	106	22	e8.4	e5.8
5	e1.9	e2.0	104	e6.0	87	65	21	201	73	33	e300	e6.4
6	e1.7	e3.5	68	e6.4	57	417	20	126	56	26	e880	e6.0
7	e1.4	e3.7	41	43	e48	738	20	92	43	18	e1200	e5.6
8	e1.6	e7.0	31	35	e40	1100	27	72	35	13	e2300	e5.4
9	e2.7	e14	400	26	e35	273	164	1380	33	e12	e200	e5.6
10	e3.6	73	492	22	e36	193	86	382	26	e11	e130	e6.4
11	e3.2	22	375	138	e33	153	56	238	22	e10	e80	e6.0
12	3.0	12	123	208	e21	117	119	145	25	e9.4	e46	e5.6
13	3.5	9.2	77	120	e18	91	90	490	20	e8.4	e35	e5.6
14	3.1	7.6	56	293	e17	75	62	1160	16	e9.0	e25	7.4
15	2.7	e6.4	44	374	626	63	49	252	13	e11	e19	7.7
16	2.3	e8.3	167	152	933	54	43	145	11	e25	e15	7.4
17	1.8	15	371	94	284	48	114	351	10	e17	e13	7.0
18	1.5	11	134	70	247	42	96	4630	12	e20	e16	6.0
19	2.1	8.7	81	138	234	38	65	1150	9.3	e17	e46	5.4
20	1.9	7.5	59	297	201	36	65	237	24	e12	e40	7.7
21	e1.8	e7.2	47	165	171	46	2510	149	198	e11	e17	6.8
22	e1.8	e7.0	39	102	113	36	322	104	59	e13	e16	6.3
23	e1.7	e6.5	35	e64	99	45	227	77	36	e20	e14	5.4
24	e1.6	e6.2	31	e50	91	49	543	62	39	e29	e12	5.1
25	e1.5	e5.6	27	e38	72	36	223	355	23	e18	e11	5.0
26	e1.4	e5.2	24	e32	65	32	156	199	20	e12	e10	4.6
27	e1.5	e5.0	21	e31	62	31	117	107	81	e11	e8.6	4.3
28	e1.5	148	19	e60	168	31	90	359	105	e9.0	e7.6	3.9
29	e1.4	47	18	265	---	27	74	1480	110	e8.0	e7.0	4.1
30	e1.4	26	17	e110	---	25	67	215	155	e7.4	e6.4	4.3
31	e1.3	---	16	e70	---	24	---	125	---	e7.0	e6.0	---
TOTAL	65.2	480.6	2978	3062.4	4420	4196	5511	15026	1996.3	601.2	5492.2	173.2
MEAN	2.10	16.0	96.1	98.8	158	135	184	485	66.5	19.4	177	5.77
MAX	3.8	148	492	374	933	1100	2510	4630	333	106	2300	7.7
MIN	1.3	1.4	13	6.0	17	24	20	62	9.3	7.0	6.0	3.9
CFSM	.02	.19	1.12	1.15	1.84	1.58	2.14	5.64	.77	.23	2.06	.07
IN.	.03	.21	1.29	1.33	1.91	1.82	2.39	6.51	.86	.26	2.38	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	15.8	63.4	107	152	163	205	163	128	54.6	45.3	29.0	15.6
MAX	99.7	441	395	763	492	604	446	554	297	277	308	126
(WY)	1991	1986	1991	1950	1950	1945	1947	1968	1960	1992	1978	1950
MIN	.33	.34	.37	1.28	11.3	29.3	18.4	6.91	1.56	1.22	1.32	.37
(WY)	1952	1944	1944	1977	1964	1983	1976	1949	1965	1954	1951	1943

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	28279.0		44002.1			
ANNUAL MEAN	77.5		121		95.0	
HIGHEST ANNUAL MEAN					188	1950
LOWEST ANNUAL MEAN					13.1	1954
HIGHEST DAILY MEAN	3090	Apr 10	4630	May 18	13200	Jan 21 1959
LOWEST DAILY MEAN	1.3	Oct 31	1.3	Oct 31	.00	Jul 20 1944
ANNUAL SEVEN-DAY MINIMUM	1.4	Oct 26	1.4	Oct 26	.00	Oct 29 1944
INSTANTANEOUS PEAK FLOW			9340	May 18	26200	Jan 21 1959
INSTANTANEOUS PEAK STAGE			17.11	May 18	25.41	Jan 21 1959
ANNUAL RUNOFF (CFSM)	.90		1.40		1.11	
ANNUAL RUNOFF (INCHES)	12.25		19.06		15.02	
10 PERCENT EXCEEDS	136		242		186	
50 PERCENT EXCEEDS	19		31		20	
90 PERCENT EXCEEDS	3.7		3.7		1.3	

e Estimated

03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN

LOCATION.--Lat 38°58'34", long 85°37'13", in NW¼SE¼ sec.10, T.6 N., R.8 E., Jennings County, Hydrologic Unit 05120207, at downstream end of left bank bridge pier, 1 mi southwest of Vernon, 3.1 mi downstream from Otter Creek, and at mile 36.4.

DRAINAGE AREA.--198 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1979, published as Vernon Fork at Vernon.

REVISED RECORDS.--WSP 1335: 1940, 1953. WSP 1909: 1952-53. WSP 2109: Drainage area. WDR IN-91-1: 1990. WDR IN-95-1: 1991, 1992, 1993, 1994.

GAGE.--Water-stage recorder. Datum of gage is 585.00 ft above sea level, (levels by State of Indiana, Department of Natural Resources). Prior to Jan. 14, 1940, and June 23 to Nov. 13, 1967, nonrecording gage, and Jan. 14, 1940, to June 22, 1967, water-stage recorder at site on right bank. Prior to Aug. 8, 1983, datum 2.30 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion above station for municipal water supply of North Vernon and Vernon. Part of this diverson returned above gage as sewage effluent by North Vernon Sewage Treatment Plant. Some regulation at times at low flow by Old Timbers Lake on Jefferson Proving Grounds and Brush Creek Reservoir.

REVISED RECORD.--The peak stage (period of record) was revised to 32.83 feet. The annual peak discharge for the 91-94 water years were revised as follows:

Water Year	Date	Discharge (ft^3/s)	Gage Height (ft)
1991	Dec. 30, 1990	13,830	18.35
1992	July 17, 1992	11,070	16.49
1993	Jan. 5, 1993	9,610	15.44
1994	Apr. 10, 1994	15,980	19.68

03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	2.2	36	45	303	288	63	152	271	e250	9.4	e9.6
2	3.9	2.4	24	44	538	193	60	917	669	e130	11	e9.3
3	2.9	2.4	19	e35	524	155	56	437	805	e84	9.8	e9.6
4	2.7	2.5	17	e29	362	135	55	281	356	e70	11	e10
5	2.8	4.1	263	e24	247	156	52	475	232	e105	697	e11
6	2.6	7.3	241	e27	e160	1090	49	324	174	e78	1970	e10
7	2.1	7.2	114	132	e130	1420	50	226	135	e60	2840	e9.6
8	2.3	10	70	139	e100	3250	62	180	128	43	5210	e9.4
9	3.8	17	648	94	e84	819	1390	3310	e105	33	559	e9.8
10	4.3	169	1060	76	e82	535	435	1190	e90	28	353	e11
11	3.7	131	1040	248	e68	395	246	673	e72	23	204	e9.8
12	3.5	39	355	546	e50	302	441	407	e96	20	129	e9.0
13	4.2	18	230	341	e45	240	352	1020	e78	17	90	e8.6
14	3.7	10	174	504	e42	203	225	2180	e60	18	64	e8.8
15	3.2	7.5	137	951	819	177	174	669	e48	21	51	e9.0
16	3.0	9.3	238	422	2800	155	144	355	e40	48	41	e9.6
17	2.6	17	961	257	774	137	181	634	e34	31	36	e9.8
18	2.3	28	386	184	610	122	282	10300	e58	39	49	e9.0
19	3.7	17	247	239	558	111	187	3130	e29	32	95	e8.6
20	4.3	11	187	671	463	105	157	707	e100	22	85	e9.2
21	3.6	11	146	426	376	110	4980	462	573	21	44	e10
22	3.3	11	119	270	265	115	924	306	184	26	31	e9.0
23	2.9	9.6	103	205	218	99	499	223	119	41	24	e8.4
24	2.6	9.1	91	e130	200	121	1220	174	137	55	20	e8.0
25	2.4	7.3	79	e105	162	100	587	1170	89	27	18	e8.2
26	2.6	6.9	68	e90	142	86	399	716	87	22	17	e9.0
27	2.5	6.2	62	e82	135	85	284	375	120	20	14	e7.4
28	2.5	275	56	455	362	83	221	755	102	16	13	e6.4
29	2.5	187	52	702	---	77	181	3400	300	13	e12	e5.6
30	2.4	67	49	e400	---	71	160	705	495	11	e11	e5.0
31	2.2	---	44	e260	---	66	---	385	---	8.8	e10	---
TOTAL	96.2	1102.0	7316	8133	10619	11001	14116	36238	5786	1412.8	12728.2	267.7
MEAN	3.10	36.7	236	262	379	355	471	1169	193	45.6	411	8.92
MAX	5.1	275	1060	951	2800	3250	4980	10300	805	250	5210	11
MIN	2.1	2.2	17	24	42	66	49	152	29	8.8	9.4	5.0
CFSM	.02	.19	1.19	1.33	1.92	1.79	2.38	5.90	.97	.23	2.07	.05
IN.	.02	.21	1.37	1.53	2.00	2.07	2.65	6.81	1.09	.27	2.39	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

MEAN	37.2	145	257	353	393	478	387	292	141	101	66.2	34.1
MAX	292	986	962	2049	1188	1798	1014	1440	963	581	639	284
(WY)	1984	1986	1991	1950	1950	1945	1947	1968	1960	1962	1978	1974
MIN	.22	.61	1.03	4.23	24.4	19.0	37.3	8.77	1.80	.63	.003	.19
(WY)	1941	1954	1944	1977	1964	1941	1941	1941	1988	1954	1940	1943

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	67065.6		108815.9			
ANNUAL MEAN	184		298		223	
HIGHEST ANNUAL MEAN					468	1950
LOWEST ANNUAL MEAN					32.8	1954
HIGHEST DAILY MEAN	7090	Apr 10	10300	May 18	31900	Jan 21 1959
LOWEST DAILY MEAN	2.1	Oct 7	2.1	Oct 7	.00	Aug 2 1940
ANNUAL SEVEN-DAY MINIMUM	2.4	Oct 28	2.4	Oct 28	.00	Aug 2 1940
INSTANTANEOUS PEAK FLOW			20400	May 18	56800	Jan 21 1959
INSTANTANEOUS PEAK STAGE			22.17	May 18	32.83	Jan 21 1959
ANNUAL RUNOFF (CFSM)	.93		1.51		1.13	
ANNUAL RUNOFF (INCHES)	12.60		20.44		15.30	
10 PERCENT EXCEEDS	359		670		457	
50 PERCENT EXCEEDS	49		85		47	
90 PERCENT EXCEEDS	5.0		5.1		2.6	

e Estimated

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 end of the 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 mi².
PERIOD OF RECORD.--May 1939 to current year (high-water records only October 1943 to September 1957).
REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-73-1: 1972.
GAGE.--Water-stage recorder. Datum of gage is 473.59 ft above sea level. 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.
REMARKS.--Records good except for estimated daily discharges, which are fair.
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 ft³/s, at former site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	567	394	1910	1420	5560	4020	2150	6310	16600	2420	955	e950
2	522	391	1550	1360	4990	4450	2050	6020	15400	2670	900	e930
3	487	390	1270	1320	5440	4430	1970	6920	14100	2730	874	e900
4	462	394	1130	1270	5870	3980	1910	7650	11900	2370	836	e880
5	444	432	1750	e1200	5750	3590	1840	7110	10700	2070	1090	e860
6	430	556	2620	e1400	e4800	4220	1780	6190	9440	1990	3340	e830
7	419	609	2970	1640	e4200	5850	1740	5710	7130	2230	6830	e800
8	409	624	2560	e1500	e3600	8730	1680	4920	5340	2320	8810	e770
9	415	749	2820	e1440	e3200	9810	2780	4810	4520	2040	9850	e770
10	412	1130	4820	e1390	e2850	11100	4800	7110	4200	1750	11100	e790
11	412	1460	7510	1710	e2600	13200	5200	8890	3910	1540	13000	e800
12	408	1750	7750	2110	e2400	14800	5050	9240	3610	1380	12600	e780
13	409	1510	7390	3140	e2300	14400	4270	9340	3350	1260	9340	e760
14	414	1210	6770	3940	e2270	11900	3860	10200	3160	1180	6750	e750
15	417	1020	6070	4250	e2300	9350	3490	10200	2930	1110	4260	e760
16	411	928	4780	5120	4830	6820	2960	10800	2670	1120	2860	e790
17	403	946	4640	5880	7150	5180	2600	12600	2440	1470	2330	e790
18	399	1030	5670	5500	8420	4450	2610	18700	2260	1590	2080	e740
19	415	1050	6310	4480	8560	3950	3020	21300	2130	1660	1840	e700
20	427	964	5630	4370	8620	3580	3320	23900	2010	1440	1890	e700
21	426	899	4320	5080	8790	3310	9850	35200	1940	1220	2130	e700
22	416	837	3360	5920	8530	3100	12700	38200	2040	1090	2120	e670
23	412	790	2810	6030	7400	2920	13000	36900	2730	1040	1820	e640
24	406	770	2460	5360	5930	2750	17200	32900	3110	1130	1560	e620
25	403	738	2210	4470	4930	2660	19900	27300	2870	1560	1380	e600
26	402	703	2020	e3500	4300	2640	19800	20900	2570	1780	1250	e580
27	402	722	1870	e2900	3840	2540	18600	15900	2390	1640	1140	e570
28	400	890	1740	e3500	3710	2440	16000	15600	2180	1400	e1090	e560
29	397	1360	1640	5150	---	2360	12400	15600	2130	1240	e1040	e540
30	395	2000	1550	6080	---	2310	9140	15200	2260	1130	e1010	e525
31	392	---	1470	6330	---	2240	---	16100	---	1030	e980	---
TOTAL	13133	27246	111370	108760	143140	177080	207670	467720	152020	50600	117055	22055
MEAN	424	908	3593	3508	5112	5712	6922	15090	5067	1632	3776	735
MAX	567	2000	7750	6330	8790	14800	19900	38200	16600	2730	13000	950
MIN	392	390	1130	1200	2270	2240	1680	4810	1940	1030	836	525
CFSM	.11	.24	.93	.91	1.32	1.48	1.79	3.91	1.31	.42	.98	.19
IN.	.13	.26	1.07	1.05	1.38	1.71	2.00	4.51	1.46	.49	1.13	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

MEAN	1052	2495	4391	4859	6412	8093	7308	5958	3166	2438	1844	1103
MAX	4186	15520	12090	15010	15610	18710	15180	17550	8584	9649	11280	5234
(WY)	1994	1994	1958	1991	1982	1964	1989	1990	1960	1958	1979	1989
MIN	228	297	272	300	712	450	730	382	622	603	291	244
(WY)	1941	1965	1964	1977	1941	1941	1941	1941	1988	1941	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	1398246		1597849			
ANNUAL MEAN	3831		4378		4082	
HIGHEST ANNUAL MEAN					6710	1979
LOWEST ANNUAL MEAN					643	1941
HIGHEST DAILY MEAN	34100	Apr 15	38200	May 22	73100	Mar 12 1964
LOWEST DAILY MEAN	390	Nov 3	390	Nov 3	138	Sep 7 1941
ANNUAL SEVEN-DAY MINIMUM	393	Oct 29	393	Oct 29	196	Sep 5 1941
INSTANTANEOUS PEAK FLOW			38300	May 22	75700	Mar 12 1964
INSTANTANEOUS PEAK STAGE			28.50	May 22	35.97	May 11 1961
ANNUAL RUNOFF (CFSM)	.99		1.13		1.06	
ANNUAL RUNOFF (INCHES)	13.47		15.39		14.36	
10 PERCENT EXCEEDS	9580		10700		10000	
50 PERCENT EXCEEDS	2160		2330		2090	
90 PERCENT EXCEEDS	444		534		478	

e Estimated

03371520 BACK CREEK AT LEESVILLE, IN

LOCATION.--Lat 38°50'48", long 86°18'06", in SW¼SE¼ 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 mi².
PERIOD OF RECORD.--October 1970 to current year.
REVISED RECORDS.--WDR IN-72-1: 1971.
GAGE.--Water-stage recorder. Datum of gage is 575.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached a stage of 18.1 ft from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	.36	9.7	7.3	78	34	7.8	60	77	4.6	e.24	e.46
2	.45	.37	7.4	e5.4	59	27	7.2	157	211	3.3	e.24	e.47
3	.41	.36	6.0	e4.9	47	24	6.8	81	185	2.5	e.23	e.41
4	.36	.43	17	e4.7	32	21	6.8	69	102	2.3	e.20	e.36
5	.36	1.6	148	e4.7	e28	27	5.9	89	64	8.3	e6.0	e.33
6	.31	15	56	e8.7	e25	145	5.5	54	41	6.6	e3.0	e.30
7	.30	5.2	34	14	e23	158	5.3	36	28	4.0	e1.5	e.30
8	.29	2.7	20	e8.4	e21	219	454	25	22	2.8	e3.0	e.33
9	.47	48	282	e6.0	e18	107	473	44	18	2.1	e5.6	e.35
10	.46	75	308	17	e16	72	145	30	14	1.8	e4.3	e.37
11	.39	18	169	111	e15	51	90	23	13	1.4	e3.4	e.30
12	.34	9.0	81	50	e14	36	150	18	18	1.2	e2.9	e.30
13	.34	5.7	45	31	e13	29	94	144	11	e.86	e2.5	e.35
14	.39	4.1	27	59	e13	25	66	93	8.9	e.76	e2.3	e.40
15	.39	3.3	20	47	e185	23	48	41	7.0	e.70	e2.0	e.30
16	.35	6.2	200	30	202	20	36	31	5.7	e.68	e1.7	e.42
17	.32	9.0	90	24	88	18	112	189	4.8	e.68	e1.6	e.52
18	.33	6.5	47	22	57	16	234	1700	4.0	e.60	e1.4	e.39
19	.52	4.6	30	56	42	14	117	413	3.4	e.53	e1.3	e.30
20	.53	3.7	24	38	34	14	201	213	3.3	e.49	e1.4	e.48
21	.49	4.1	20	27	29	13	1160	129	5.2	e.45	e1.1	e.88
22	.44	3.8	18	22	25	11	276	78	5.4	e.43	e1.0	.75
23	.40	3.0	16	18	24	11	247	48	3.9	e.60	e.90	.51
24	.44	2.5	14	16	21	9.8	316	31	3.2	e.60	e.80	.44
25	.40	2.2	12	e15	18	8.7	181	271	3.1	e.50	e.72	.40
26	.39	2.0	11	e13	18	8.1	123	144	3.5	e.44	e.66	e.36
27	.36	24	9.9	71	20	11	87	116	2.5	e.40	e.64	e.36
28	.35	67	9.6	238	57	11	59	340	2.4	e.35	e.54	e.36
29	.34	24	8.7	88	---	9.5	42	451	12	e.31	e.48	e.34
30	.32	14	8.2	52	---	8.8	33	183	6.9	e.28	e.45	e.33
31	.34	---	7.9	43	---	8.5	---	105	---	e.25	e.47	---
TOTAL	12.08	365.72	1756.4	1152.1	1222	1190.4	4789.3	5406	889.2	50.81	52.57	12.17
MEAN	.39	12.2	56.7	37.2	43.6	38.4	160	174	29.6	1.64	1.70	.41
MAX	.53	75	308	238	202	219	1160	1700	211	8.3	6.0	.88
MIN	.29	.36	6.0	4.7	13	8.1	5.3	18	2.4	.25	.20	.30
CFSM	.02	.51	2.35	1.54	1.81	1.59	6.62	7.24	1.23	.07	.07	.02
IN.	.02	.56	2.71	1.78	1.89	1.84	7.39	8.34	1.37	.08	.08	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	8.81	33.1	42.4	39.6	50.2	63.5	62.9	42.4	14.6	22.2	14.8	6.03
MAX	48.0	132	101	147	105	168	176	174	63.3	195	92.4	60.9
(WY)	1984	1986	1983	1982	1979	1989	1972	1995	1973	1973	1979	1974
MIN	.000	1.05	2.37	.98	5.78	9.74	8.62	2.70	.25	.014	.080	.000
(WY)	1989	1988	1990	1977	1992	1981	1976	1988	1988	1991	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	11664.37		16898.75			
ANNUAL MEAN	32.0		46.3		33.3	
HIGHEST ANNUAL MEAN					64.6	1973
LOWEST ANNUAL MEAN					14.4	1987
HIGHEST DAILY MEAN	762	Apr 10	1700	May 18	5000	Jul 21 1973
LOWEST DAILY MEAN	.01	Sep 22	.20	Aug 4	.00	Oct 4 1970
ANNUAL SEVEN-DAY MINIMUM	.03	Sep 16	.25	Jul 29	.00	Jul 12 1975
INSTANTANEOUS PEAK FLOW			6150	May 18	15300	Jul 21 1973
INSTANTANEOUS PEAK STAGE			9.54	May 18	14.00	Jul 21 1973
ANNUAL RUNOFF (CFSM)	1.33		1.92		1.38	
ANNUAL RUNOFF (INCHES)	18.00		26.08		18.77	
10 PERCENT EXCEEDS	80		125		73	
50 PERCENT EXCEEDS	6.7		8.9		9.2	
90 PERCENT EXCEEDS	.16		.36		.35	

e Estimated

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^2.

PERIOD OF RECORD.--May 1955 to current year.

REVISED RECORDS.--WSP 1705: 1959. WSP 1725: 1956(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 480.00 ft above sea level, (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 U.S. Army Corps of Engineers from Monroe Lake since April 1966.

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

AVERAGE DISCHARGE.--40 years, 490 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,000 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2190 ft^3/s June 16 and 17; minimum daily, 54 ft^3/s Oct. 27-31, Nov. 1-5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	54	55	78	565	201	56	866	239	2070	92	77
2	55	54	55	56	565	350	56	1430	239	2060	92	56
3	55	54	55	56	767	558	56	1680	240	2050	92	56
4	55	54	55	56	887	557	56	1850	530	2040	92	56
5	55	54	55	56	887	557	56	1990	1100	2030	92	56
6	55	55	55	56	885	557	56	1990	1590	2020	93	56
7	55	55	55	56	883	395	56	1980	1940	2010	219	56
8	55	55	55	56	882	205	56	1980	2100	2000	253	56
9	55	55	55	56	880	207	130	1970	2090	1550	207	56
10	55	55	56	56	878	208	208	1960	2090	804	208	56
11	55	55	56	56	553	208	209	1960	2080	937	362	56
12	55	55	56	140	200	209	210	1950	2070	743	879	56
13	55	55	56	297	200	209	485	1280	2070	475	1070	56
14	55	55	72	366	200	209	583	948	2060	205	1070	56
15	55	55	100	367	200	644	796	1290	2160	205	1060	56
16	55	55	142	431	540	1090	908	1230	2190	205	1060	56
17	55	55	278	716	1040	1430	907	557	2190	205	1060	56
18	55	55	456	879	1210	1550	909	227	2180	205	1050	56
19	55	55	561	878	1210	1540	1080	232	2170	204	811	56
20	55	55	560	878	1210	1530	574	235	2160	204	559	56
21	55	55	559	877	1210	1530	577	236	2150	204	414	56
22	55	55	558	716	1210	1240	221	236	2140	204	157	55
23	55	55	557	556	1200	718	224	236	2130	204	92	55
24	55	55	378	378	736	437	226	236	2120	204	92	55
25	55	55	200	200	200	365	227	236	2110	204	74	55
26	55	55	200	200	200	283	228	237	1810	203	56	55
27	54	55	200	200	200	200	273	237	1580	203	86	55
28	54	55	200	201	201	110	321	238	2090	203	56	55
29	54	55	200	203	---	56	321	239	2080	203	72	55
30	54	55	200	430	---	56	466	333	2080	203	92	55
31	54	---	150	565	---	56	---	301	---	138	92	---
TOTAL	1700	1645	6290	10116	19799	17465	10531	30370	53778	24395	11704	1692
MEAN	54.8	54.8	203	326	707	563	351	980	1793	787	378	56.4
MAX	55	55	561	879	1210	1550	1080	1990	2190	2070	1070	77
MIN	54	54	55	56	200	56	56	227	239	138	56	55

CAL YR 1994 TOTAL 177613 MEAN 487 MAX 2140 MIN 54
WTR YR 1995 TOTAL 189485 MEAN 519 MAX 2190 MIN 54

03373500 EAST FORK WHITE RIVER AT SHOALS, IN

LOCATION.--Lat 38°39'58", long 86°47'35", in SW¼NW¼ sec.30, T.3 N., R.3 W., Martin County, Hydrologic Unit 05120208, on left bank 100 feet downstream of Baltimore and Ohio Railroad bridge, 440 feet downstream from U.S. Highway 50 bridge at Shoals, 0.9 mi upstream from Beaver Creek, 6.6 mi downstream from Indian Creek, and at mile 105.2

DRAINAGE AREA.--4,927 mi².

PERIOD OF RECORD.--June 1903 to July 1906, October 1908 to September 1916, June 1923 to current year. Monthly discharge only for some periods, published in WSP 1305. Published as East Branch White River at Shoals, 1903-06, 1908-16. Gage-height records collected at same site since May 1908 are contained in reports of the National Weather Service. Prior to Dec. 13, 1989 at site 440 ft upstream at same datum.

REVISED RECORDS.--WSP 353: 1912. WSP 1335: 1903-6. WSP 2109: Drainage area. WDR IN-91-1: Location.

GAGE.--Water-stage recorder. Datum of gage is 442.25 ft above sea level. Oct. 26, 1932 to Dec. 13, 1989, water-stage recorder located at U.S. Highway 50 bridge 440 ft upstream. See WSP 1725 for history of changes prior to Oct. 26, 1932.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by upstream reservoirs.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	760	455	2580	2000	e7000	4960	3010	9490	18400	5140	1110	1280
2	695	453	2390	1810	6630	5130	2900	8570	18400	5190	941	1210
3	635	451	1950	1660	6470	5410	2810	9170	18000	5320	866	1140
4	585	465	1650	1560	6970	5410	2730	9850	16000	5200	813	1080
5	552	557	1880	1440	7200	5090	2670	10200	13600	4940	932	1040
6	519	1010	2970	1260	6730	5750	2590	e9400	12600	4660	4000	996
7	501	1380	3590	e1300	5970	7510	2560	e9000	11000	4610	6060	953
8	492	1050	3610	e1400	5100	12200	2520	e8600	8780	4820	8610	928
9	501	1010	3700	e1600	e4300	13100	4450	e8200	7360	4680	11100	904
10	501	2320	6450	e1800	e3800	12700	9090	8080	6720	3910	12900	909
11	493	2850	9670	e2100	e3400	13800	7270	10100	6410	2980	13300	879
12	468	2380	9490	3440	e3000	15500	6710	11600	6150	2540	14500	843
13	455	2250	8580	4120	e2800	16600	6320	11700	5900	2150	13100	840
14	455	1880	7620	4830	e2700	15500	5730	13000	5690	1860	9720	832
15	455	1550	6860	5440	e3000	12600	5470	12700	5510	1420	6990	801
16	455	1340	6170	5910	e7000	9800	5170	12600	5380	1280	5290	859
17	465	1260	6420	6560	e9000	7560	4960	14700	5260	1310	4430	833
18	470	1260	6710	6910	10200	6580	5540	24200	5050	1580	4100	842
19	482	1290	7170	6500	10800	6110	5860	33700	4890	1700	3840	837
20	490	1310	7090	6040	10700	5780	6010	34200	4740	1740	3460	834
21	494	1220	6180	6260	10700	5510	15900	31900	4690	1580	3210	789
22	501	1120	5150	6790	10600	5300	23200	32900	4600	1400	3210	745
23	501	1020	4400	7040	9960	4910	20700	35200	4820	1390	2810	715
24	494	939	3930	6670	8440	4300	19700	36100	5490	1360	2390	702
25	471	903	3470	5830	6690	3840	21900	35500	5510	1490	2110	676
26	455	867	2990	4960	5520	3680	22300	32400	5340	1780	1900	656
27	455	871	2720	4340	5000	3650	21800	26200	4950	1940	1710	645
28	446	1770	2520	4770	4840	3760	21700	21000	4360	1760	1570	636
29	440	2600	2370	9380	---	3510	18500	20200	5100	1520	1470	620
30	440	2370	2220	8160	---	3250	13300	18900	5260	1370	1370	601
31	443	---	2110	e7400	---	3130	---	18000	---	1240	1340	---
TOTAL	15569	40201	144610	139280	184520	231930	293370	577360	235960	83860	149152	25625
MEAN	502	1340	4665	4493	6590	7482	9779	18620	7865	2705	4811	854
MAX	760	2850	9670	9380	10800	16600	23200	36100	18400	5320	14500	1280
MIN	440	451	1650	1260	2700	3130	2520	8080	4360	1240	813	601
CFSM	.10	.27	.95	.91	1.34	1.52	1.98	3.78	1.60	.55	.98	.17
IN.	.12	.30	1.09	1.05	1.39	1.75	2.22	4.36	1.78	.63	1.13	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1995, BY WATER YEAR (WY)

MEAN	1608	2984	5331	8703	8689	11100	10080	7295	4153	2901	1941	1373
MAX	12520	18370	17890	47640	30870	34300	24000	24990	14840	13520	15220	9154
(WY)	1911	1994	1928	1937	1950	1945	1913	1961	1947	1958	1979	1926
MIN	262	293	305	432	589	562	1029	529	696	365	265	233
(WY)	1941	1955	1964	1931	1931	1941	1915	1941	1936	1954	1936	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1904 - 1995	
ANNUAL TOTAL	1812700		2121437			
ANNUAL MEAN	4966		5812		5491	
HIGHEST ANNUAL MEAN					10370	1950
LOWEST ANNUAL MEAN					855	1941
HIGHEST DAILY MEAN	31600	Apr 17	36100	May 24	155000	Mar 28 1913
LOWEST DAILY MEAN	440	Oct 29	440	Oct 29	64	Oct 6 1935
ANNUAL SEVEN-DAY MINIMUM	447	Oct 28	447	Oct 28	168	Oct 3 1935
INSTANTANEOUS PEAK FLOW			36300	May 24	160000	Mar 28 1913
INSTANTANEOUS PEAK STAGE			22.63	May 24	42.20	Mar 28 1913
ANNUAL RUNOFF (CFSM)	1.01		1.18		1.11	
ANNUAL RUNOFF (INCHES)	13.69		16.02		15.14	
10 PERCENT EXCEEDS	12600		13200		14300	
50 PERCENT EXCEEDS	2730		4100		2600	
90 PERCENT EXCEEDS	552		636		520	

e Estimated

03373530 LOST RIVER NEAR LEIPSIC, IN

LOCATION.--Lat 38°38'11", long 86°21'55", in NE¼SE¼, sec.2, T.2N., R.1E., Orange County, Hydrologic Unit 05120208, on left bank 5 ft upstream from bridge on Potato Road, and 2.2 mile south of Leipsic.
DRAINAGE AREA.--35 mi².
PERIOD OF RECORD.--October 1992 to current year.
REVISED RECORDS.--WDR IN-94-1: 1993.
GAGE.--Water-stage recorder. Datum of gage is 645.00 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.2	20	18	53	30	12	44	104	35	3.7	3.4
2	2.4	2.9	18	17	63	25	12	107	206	31	3.7	3.5
3	2.3	3.0	17	e15	50	23	11	55	371	e28	3.4	2.9
4	2.2	3.4	20	e13	46	21	11	47	122	e80	3.2	2.5
5	2.1	16	100	e12	e35	43	10	51	100	204	170	2.2
6	2.2	35	52	e14	e30	89	9.9	39	87	71	77	2.0
7	2.2	17	43	e17	e27	169	9.5	35	76	53	33	2.0
8	2.5	13	34	e16	e25	246	9.3	31	67	43	55	2.2
9	4.0	45	231	e15	e21	112	9.1	384	60	36	157	2.3
10	3.3	71	387	e16	e22	92	8.3	114	55	31	82	2.4
11	2.9	40	172	52	e18	79	8.6	81	50	27	52	1.9
12	2.7	29	108	68	e15	65	12	63	51	24	39	1.9
13	3.3	23	88	41	e13	54	9.9	92	43	20	31	2.4
14	3.5	19	72	68	e15	48	8.8	83	39	18	26	e2.7
15	3.2	17	61	78	189	43	8.1	57	36	16	22	e2.0
16	2.9	36	132	52	172	39	7.9	55	33	16	19	e3.1
17	2.6	40	146	43	87	34	9.6	269	30	16	17	e3.4
18	2.8	30	88	38	70	30	9.7	1370	28	13	15	e3.1
19	7.0	24	69	83	61	28	8.6	238	26	11	13	e2.5
20	7.0	21	58	73	55	27	60	140	26	9.9	14	e5.4
21	5.1	22	51	51	47	25	1470	110	38	9.4	11	e5.7
22	5.1	21	45	42	39	22	157	89	33	9.1	9.2	e4.5
23	5.3	17	41	37	36	21	122	75	25	13	7.7	e3.8
24	4.7	16	36	31	31	18	158	65	23	13	6.8	e3.0
25	4.2	15	32	27	28	17	101	1270	21	8.9	6.1	e2.3
26	3.7	14	29	25	26	16	82	201	19	7.4	5.4	e2.2
27	3.6	17	26	24	25	17	69	1020	18	6.5	5.0	e2.2
28	3.4	59	24	172	51	16	57	1110	31	5.7	4.0	e2.2
29	3.3	30	22	102	---	15	49	204	52	5.2	3.6	e2.0
30	3.3	24	20	69	---	14	44	148	41	4.6	3.4	e1.9
31	3.3	---	19	56	---	13	---	119	---	4.1	3.5	---
TOTAL	109.0	723.5	2261	1385	1350	1491	2554.3	7766	1911	869.8	901.7	83.6
MEAN	3.52	24.1	72.9	44.7	48.2	48.1	85.1	251	63.7	28.1	29.1	2.79
MAX	7.0	71	387	172	189	246	1470	1370	371	204	170	5.7
MIN	2.1	2.9	17	12	13	13	7.9	31	18	4.1	3.2	1.9
CFSM	.10	.69	2.08	1.28	1.38	1.37	2.43	7.16	1.82	.80	.83	.08
IN.	.12	.77	2.40	1.47	1.43	1.58	2.71	8.25	2.03	.92	.96	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	8.89	63.5	52.1	56.4	48.5	51.7	91.0	116	29.7	14.1	25.1	7.37
MAX	16.3	148	75.2	69.1	50.5	83.0	108	251	63.7	28.1	40.2	15.2
(WY)	1994	1994	1994	1993	1993	1993	1994	1995	1995	1995	1993	1993
MIN	3.52	18.3	8.16	44.7	46.9	24.1	80.3	37.8	8.15	5.95	5.98	2.79
(WY)	1995	1993	1993	1995	1994	1994	1993	1993	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	12720.0		21405.9			
ANNUAL MEAN	34.8		58.6		47.1	
HIGHEST ANNUAL MEAN					58.6	1995
LOWEST ANNUAL MEAN					36.2	1993
HIGHEST DAILY MEAN	1290	Apr 30	1470	Apr 21	2320	Nov 14 1993
LOWEST DAILY MEAN	1.9	Sep 20	1.9	Sep 11	1.9	Sep 20 1994
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 16	2.1	Sep 6	2.1	Sep 6 1995
INSTANTANEOUS PEAK FLOW			5090	Apr 21	6910	Nov 14 1993
INSTANTANEOUS PEAK STAGE			13.56	Apr 21	14.29	Nov 14 1993
ANNUAL RUNOFF (CFSM)	1.00		1.68		1.34	
ANNUAL RUNOFF (INCHES)	13.52		22.75		18.26	
10 PERCENT EXCEEDS	72		107		87	
50 PERCENT EXCEEDS	16		25		19	
90 PERCENT EXCEEDS	2.9		3.1		3.6	

e Estimated

03373980 WHITE RIVER ABOVE PETERSBURG, IN

LOCATION.--Lat 38°31'42", long 87°15'12", in NE¼SW¼ sec.12, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, on left bank 300 ft upstream from intake structure of Indianapolis Power and Light Company's generating plant, 1.5 mi downstream from East Fork White River, 2.2 mi upstream from State Highway 61, 2.9 mi northeast of Petersburg, and at mile 48.0.

DRAINAGE AREA.--11,123 mi^2.

PERIOD OF RECORD.--October 1976 to current year. Discharges below 1500 ft^3/s only, published 1980 to 1993, and 1995.

GAGE.--Water-stage recorder. Datum of gage is 401.52 ft above sea level.

REMARKS.--Discharges below 1,500 ft^3/s only published. No estimated daily discharges. Records good. For a complete record of White River in this vicinity use records of White River at Petersburg, IN (sta. 03374000), 2.3 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1210	---	---	---	---	---	---	---	---	---	---
2	---	1200	---	---	---	---	---	---	---	---	---	---
3	---	1180	---	---	---	---	---	---	---	---	---	---
4	---	1210	---	---	---	---	---	---	---	---	---	---
5	---	1470	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	1450	---	---	---	---	---	---	---	---	---	---	---
8	1410	---	---	---	---	---	---	---	---	---	---	---
9	1420	---	---	---	---	---	---	---	---	---	---	---
10	1390	---	---	---	---	---	---	---	---	---	---	---
11	1350	---	---	---	---	---	---	---	---	---	---	---
12	1330	---	---	---	---	---	---	---	---	---	---	---
13	1350	---	---	---	---	---	---	---	---	---	---	---
14	1360	---	---	---	---	---	---	---	---	---	---	---
15	1320	---	---	---	---	---	---	---	---	---	---	---
16	1320	---	---	---	---	---	---	---	---	---	---	---
17	1310	---	---	---	---	---	---	---	---	---	---	---
18	1290	---	---	---	---	---	---	---	---	---	---	---
19	1310	---	---	---	---	---	---	---	---	---	---	---
20	1310	---	---	---	---	---	---	---	---	---	---	---
21	1280	---	---	---	---	---	---	---	---	---	---	---
22	1270	---	---	---	---	---	---	---	---	---	---	---
23	1280	---	---	---	---	---	---	---	---	---	---	---
24	1270	---	---	---	---	---	---	---	---	---	---	---
25	1250	---	---	---	---	---	---	---	---	---	---	---
26	1230	---	---	---	---	---	---	---	---	---	---	---
27	1220	---	---	---	---	---	---	---	---	---	---	---
28	1200	---	---	---	---	---	---	---	---	---	---	---
29	1200	---	---	---	---	---	---	---	---	---	---	---
30	1190	---	---	---	---	---	---	---	---	---	---	---
31	1200	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
CFSM	---	---	---	---	---	---	---	---	---	---	---	---
IN.	---	---	---	---	---	---	---	---	---	---	---	---

03374000 WHITE RIVER AT PETERSBURG, IN

LOCATION.--Lat 38°30'39", long 87°17'22", in SE$^1/_4$SW$^1/_4$ sec.15, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, on left bank 300 ft downstream from bridge on State Highway 61, 0.4 mi upstream from Prides Creek, 1.4 mi north of Petersburg, and at mile 45.7.
DRAINAGE AREA.--11,125 mi^2.
PERIOD OF RECORD.--October 1927 to current year. Monthly discharge only for October 1927, published in WSP 1305. Published as "at Hazleton" October 1927 to September 1938. Records published for both sites October 1937 to September 1938. Gage-height records collected at present site and datum since January 1935 are contained in reports of National Weather Service.
REVISED RECORDS.--WSP 1305: 1930(M). WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level. See WSP 1725 for history of changes prior to Apr. 1, 1941.
REMARKS.--Records good except for estimated daily discharges which are fair. Flow partially regulated by upstream reservoirs.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913, reached a stage of 29.5 ft, present site and datum, from floodmarks by U.S. Army Corps of Engineers, discharge, 235,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1980	1270	5130	4070	13600	8910	7010	21300	38300	11700	3940	2800
2	1930	1240	5190	3890	12500	8790	6570	18000	34700	11200	3650	2730
3	1830	1220	4740	3720	11700	8790	6250	16100	33700	10500	3380	2650
4	1720	1260	4210	3540	11700	8980	6020	15900	31100	10200	3170	2560
5	1620	1510	3850	3320	11800	9120	5750	15900	27200	10400	3360	2480
6	1540	2210	3810	3070	11600	10100	5570	15600	23400	9730	4030	2410
7	1470	2380	4700	3210	10800	13600	5450	14600	21000	9090	5110	2340
8	1440	2740	5210	3330	e9500	21400	5300	13600	18900	8480	8210	2290
9	1470	2940	6080	3760	e8400	26100	5130	12600	16500	8060	16300	2250
10	1420	4130	8910	3850	e7600	28200	8900	11700	14800	7870	22600	2230
11	1380	5130	12600	4240	e6900	29200	15100	12600	13700	7120	24000	2240
12	1360	5450	13900	5520	e6500	30900	12300	14400	13000	6110	22800	2360
13	1370	4800	13600	6700	e6200	33000	10800	15700	12300	5560	20500	2410
14	1390	4390	12700	7580	e6000	32100	10900	17000	11600	5120	17200	2390
15	1350	3940	11400	8600	5920	26300	10400	18100	10800	4780	13700	2310
16	1340	3620	10200	9360	9850	21400	9930	19200	10000	4450	10600	2260
17	1330	3420	10900	9890	14000	17900	9630	25800	9390	4150	8210	2270
18	1320	3250	11300	10500	15200	15200	9500	40100	8900	3960	7060	2240
19	1350	3160	11300	11100	15300	13500	11300	54000	8450	4110	6310	2170
20	1350	3100	11200	11200	15200	12500	12700	63100	8070	4200	5890	2170
21	1320	3050	10800	10700	14900	11700	22700	72400	7950	4210	5480	2200
22	1310	2910	9670	10600	14600	10800	31200	76900	7670	4030	5180	2150
23	1330	2760	8340	11100	14300	9960	36000	77600	7520	4210	5090	2070
24	1310	2640	7260	11800	13600	9200	38700	78300	7740	4440	4680	2040
25	1290	2570	6500	11900	12100	8450	38600	78200	8640	4400	4210	2010
26	1270	2500	5870	10700	10400	8070	39500	75200	10500	4110	3860	1970
27	1260	2660	5290	9140	8960	7790	39600	68300	10600	4440	3600	1880
28	1230	4100	4950	9740	9140	7530	37100	59800	9510	4570	3360	1810
29	1230	4530	4650	13500	---	7500	32900	51400	9290	4710	3170	1770
30	1220	5180	4400	16900	---	7400	27200	45800	11200	4480	3040	1750
31	1230	---	4200	15400	---	7330	---	42500	---	4180	2900	---
TOTAL	43960	94060	242860	251930	308270	471720	518010	1161700	456430	194570	254590	67210
MEAN	1418	3135	7834	8127	11010	15220	17270	37470	15210	6276	8213	2240
MAX	1980	5450	13900	16900	15300	33000	39600	78300	38300	11700	24000	2800
MIN	1220	1220	3810	3070	5920	7330	5130	11700	7520	3960	2900	1750
CFSM	.13	.28	.70	.73	.99	1.37	1.55	3.37	1.37	.56	.74	.20
IN.	.15	.31	.81	.84	1.03	1.58	1.73	3.88	1.53	.65	.85	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	3231	6751	11070	17320	18340	22650	22150	16970	10450	7298	4730	3417
MAX	12780	46800	38140	86440	67070	55340	42900	53820	30850	25620	39590	19640
(WY)	1994	1994	1986	1950	1950	1945	1944	1961	1947	1958	1979	1989
MIN	653	884	861	981	1388	1597	3767	1597	1950	1118	870	878
(WY)	1941	1954	1964	1977	1931	1941	1941	1941	1988	1954	1936	1936

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	3781220		4065310			
ANNUAL MEAN	10360		11140		12000	
HIGHEST ANNUAL MEAN					22760	1950
LOWEST ANNUAL MEAN					2138	1941
HIGHEST DAILY MEAN	65800	Apr 17	78300	May 24	182000	Jan 22 1937
LOWEST DAILY MEAN	1220	Oct 30	1220	Oct 30	573	Oct 1 1941
ANNUAL SEVEN-DAY MINIMUM	1230	Oct 28	1230	Oct 28	598	Sep 26 1941
INSTANTANEOUS PEAK FLOW			78700	May 25	183000	Jan 22 1937
INSTANTANEOUS PEAK STAGE			23.78	May 25	28.30	Jan 22 1937
ANNUAL RUNOFF (CFSM)	.93		1.00		1.08	
ANNUAL RUNOFF (INCHES)	12.64		13.59		14.66	
10 PERCENT EXCEEDS	25200		24700		29500	
50 PERCENT EXCEEDS	5500		7580		6360	
90 PERCENT EXCEEDS	1500		1820		1490	

e Estimated

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 end 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 mi².
PERIOD OF RECORD.--October 1968 to current year.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 606.89 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	.46	6.9	e3.4	23	30	5.8	25	21	5.5	1.7	1.3
2	.26	.44	5.8	e3.2	19	20	5.5	103	42	4.4	1.6	1.3
3	.22	.42	4.9	e3.0	15	16	5.5	40	67	3.8	1.4	1.2
4	.17	.50	7.9	e2.8	e12	13	6.0	29	31	27	1.4	1.1
5	.15	3.4	36	e2.7	e11	32	5.8	25	20	335	94	1.1
6	.14	9.3	17	e2.5	e9.4	62	5.9	20	16	60	55	1.0
7	.12	3.9	13	e2.6	e8.4	119	5.7	16	14	23	26	.93
8	.13	2.6	9.4	e2.7	e7.4	199	5.6	13	22	13	61	1.0
9	.29	6.2	162	e3.0	e6.7	72	5.4	271	23	8.4	149	1.0
10	.31	15	230	10	e6.4	40	4.9	96	13	6.2	81	.93
11	.29	7.0	115	21	e5.8	28	4.8	41	19	4.9	30	.83
12	.29	4.4	37	40	e5.1	21	19	26	52	4.0	15	.67
13	.31	3.4	21	27	e4.5	16	13	52	22	3.5	9.0	.57
14	.34	3.0	14	32	e4.9	14	9.7	51	14	3.1	6.8	.53
15	.29	2.7	11	80	175	12	8.3	26	10	2.9	5.4	.47
16	.29	12	50	38	188	11	7.5	27	8.0	3.0	4.7	.55
17	.25	11	122	23	59	9.4	7.8	235	6.7	2.8	5.2	.78
18	.28	6.7	42	17	34	8.5	9.1	601	5.7	2.5	5.1	.68
19	.86	4.9	22	18	24	8.0	8.2	200	5.3	2.3	3.8	.53
20	1.2	4.1	16	58	20	7.9	102	68	10	2.2	3.4	.91
21	.84	4.9	12	33	16	7.5	766	35	14	2.2	3.1	.95
22	.89	5.4	10	21	13	6.9	121	23	7.2	3.2	2.6	.65
23	.74	4.6	8.7	16	12	7.1	66	17	5.6	6.3	2.3	.47
24	.61	4.1	7.7	13	9.8	6.6	106	13	4.8	8.3	2.0	.40
25	.53	4.0	6.7	10	8.9	6.2	49	681	4.9	4.0	1.9	.42
26	.50	3.5	5.9	9.1	8.5	6.2	30	152	4.4	3.1	1.8	.48
27	.47	10	5.4	8.2	10	7.0	22	134	3.9	2.6	1.7	.50
28	.46	43	5.0	42	60	7.6	16	574	3.8	2.3	1.6	.45
29	.42	15	4.7	196	---	7.0	14	110	11	2.1	1.5	.41
30	.42	9.4	4.3	58	---	6.5	12	47	7.7	1.9	1.4	.33
31	.43	---	4.1	32	---	6.1	---	28	---	1.7	1.3	---
TOTAL	12.83	205.32	1017.4	828.2	776.8	813.5	1447.5	3779	489.0	555.2	581.7	22.44
MEAN	.41	6.84	32.8	26.7	27.7	26.2	48.2	122	16.3	17.9	18.8	.75
MAX	1.2	43	230	196	188	199	766	681	67	335	149	1.3
MIN	.12	.42	4.1	2.5	4.5	6.1	4.8	13	3.8	1.7	1.3	.33
CFSM	.03	.53	2.56	2.09	2.17	2.05	3.77	9.52	1.27	1.40	1.47	.06
IN.	.04	.60	2.96	2.41	2.26	2.36	4.21	10.98	1.42	1.61	1.69	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	3.41	20.6	32.6	32.8	39.2	48.0	47.9	33.1	13.9	9.85	5.18	3.29
MAX	11.9	77.3	109	107	89.6	101	102	138	59.0	89.6	33.4	18.9
(WY)	1991	1980	1991	1982	1990	1973	1972	1983	1990	1979	1977	1981
MIN	.001	.20	1.17	.61	2.58	8.80	6.79	2.66	.46	.26	.000	.003
(WY)	1992	1992	1981	1981	1992	1981	1976	1988	1988	1983	1991	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	6621.32		10528.89			
ANNUAL MEAN	18.1		28.8		24.1	
HIGHEST ANNUAL MEAN					43.6	1979
LOWEST ANNUAL MEAN					6.35	1992
HIGHEST DAILY MEAN	755	Apr 30	766	Apr 21	1770	Jul 26 1979
LOWEST DAILY MEAN	.00	Aug 16	.12	Oct 7	.00	Oct 4 1970
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 16	.17	Oct 2	.00	Sep 11 1972
INSTANTANEOUS PEAK FLOW			2040	May 25	9270	Jul 26 1979
INSTANTANEOUS PEAK STAGE			8.38	May 25	11.35	Jul 26 1979
ANNUAL RUNOFF (CFSM)	1.42		2.25		1.88	
ANNUAL RUNOFF (INCHES)	19.24		30.60		25.55	
10 PERCENT EXCEEDS	40		60		51	
50 PERCENT EXCEEDS	4.9		7.1		5.3	
90 PERCENT EXCEEDS	.03		.50		.32	

e Estimated

03374500 PATOKA RIVER NEAR CUZCO, IN

LOCATION.--Lat 38°26'31", long 86°42'51", in SW¼SW¼ sec.11, T.1 S., R.3 W., Dubois County, Hydrologic Unit 05120209, on right bank 20 ft upstream from bridge on Cuzco Road South, 2.3 mi south of Cuzco, 0.7 mi downstream from Patoka Lake, 4.5 mi upstream from Dillon Creek, and at mile 117.8.

DRAINAGE AREA.--170 mi^2.

PERIOD OF RECORD.--June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 477.00 ft above sea level, (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".

REMARKS.--Flow regulated by U.S. Army Corps of Engineers from Patoka Lake since February 1978.

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

AVERAGE DISCHARGE.--34 years, 216 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 14,700 ft^3/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^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 816 ft^3/s Mar. 14; minimum daily, 19 ft $^3/s$ Mar. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	52	306	543	165	103	19	20	42	42	403	393
2	155	52	306	542	161	103	19	20	42	42	451	392
3	155	52	306	541	203	103	19	20	42	71	383	392
4	155	52	306	540	203	103	19	20	42	85	188	392
5	155	52	306	539	203	103	19	20	42	54	81	453
6	155	52	306	539	203	103	19	20	42	43	56	479
7	155	52	306	538	203	103	19	20	42	43	56	478
8	155	52	306	538	203	103	19	20	42	43	56	478
9	155	52	243	537	203	103	19	20	42	43	122	526
10	155	52	213	537	203	104	19	20	42	87	155	550
11	155	52	213	536	203	104	19	73	42	106	155	501
12	155	52	213	536	202	104	19	105	42	135	155	476
13	155	52	213	535	202	503	19	105	42	155	155	476
14	86	52	213	535	202	816	19	105	42	155	219	475
15	52	52	213	535	203	814	19	105	84	155	246	475
16	52	52	213	535	204	813	19	105	106	184	319	475
17	52	52	214	534	127	812	19	57	106	254	349	474
18	52	52	214	451	102	810	19	40	106	352	349	474
19	52	52	214	345	102	809	19	41	106	385	305	473
20	52	52	213	307	102	807	19	41	106	385	349	473
21	52	52	257	307	102	806	19	41	106	367	349	473
22	52	52	369	307	102	804	20	41	128	301	348	472
23	52	52	421	307	102	672	20	41	155	155	376	472
24	52	52	420	307	102	464	20	41	155	71	395	471
25	52	52	420	306	102	373	23	42	183	42	395	471
26	52	52	420	237	102	396	23	42	211	113	395	471
27	52	52	509	202	102	396	20	42	211	212	394	470
28	52	129	545	202	103	605	20	42	211	260	394	470
29	52	273	545	203	---	707	20	42	127	260	394	469
30	52	306	545	203	---	266	20	42	42	260	393	469
31	52	---	543	203	---	19	---	42	---	333	393	---
TOTAL	2985	2112	10031	13027	4416	12931	585	1435	2731	5193	8778	14013
MEAN	96.3	70.4	324	420	158	417	19.5	46.3	91.0	168	283	467
MAX	155	306	545	543	204	816	23	105	211	385	451	550
MIN	52	52	213	202	102	19	19	20	42	42	56	392

CAL YR 1994 TOTAL 73781 MEAN 202 MAX 1060 MIN 18
WTR YR 1995 TOTAL 78237 MEAN 214 MAX 816 MIN 19

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 mi².
PERIOD OF RECORD.--November 1947 to current year.
REVISED RECORDS.--WSP 1909: 1958. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 446.00 ft above sea level (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 ft³/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.--Records good except for estimated daily discharges, which are fair. Flow regulated by Beaver Creek Reservoir beginning Oct. 11, 1955, and by Patoka Lake beginning Feb. 13, 1978.
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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	94	346	e640	331	278	96	113	178	202	346	369
2	158	95	340	e630	283	222	77	253	354	132	394	369
3	159	96	339	e620	e260	201	73	227	431	107	416	368
4	159	100	341	e600	e245	191	73	156	242	127	349	368
5	159	224	437	e590	e230	236	72	133	175	581	326	369
6	159	539	412	e580	e220	441	69	116	145	514	536	424
7	160	228	378	e580	e210	476	68	100	160	197	177	439
8	162	139	358	e610	e210	819	66	87	140	140	144	440
9	167	203	658	e650	e210	500	65	111	165	118	347	441
10	166	467	1120	693	e210	318	63	216	124	107	634	485
11	165	257	1230	746	e210	262	62	124	116	132	344	495
12	165	160	847	805	e210	232	70	134	191	146	237	448
13	167	134	456	747	e210	215	82	191	152	160	206	434
14	167	122	365	706	e210	676	76	244	115	172	192	432
15	127	114	341	716	435	867	70	206	100	171	248	429
16	93	125	415	676	1080	868	70	198	123	171	265	429
17	91	140	818	629	761	867	81	996	142	198	322	428
18	92	130	548	658	371	869	94	1850	139	258	358	433
19	105	117	398	658	278	860	91	2380	137	339	348	438
20	106	111	352	550	249	851	253	2170	145	359	373	447
21	99	112	341	431	229	844	1560	1460	160	361	375	442
22	97	112	393	390	206	833	1820	589	155	358	360	441
23	96	105	549	371	196	824	1660	224	162	410	347	441
24	96	102	605	356	186	738	1090	159	184	501	370	441
25	96	103	578	345	175	483	546	707	189	160	380	441
26	96	103	587	338	172	361	278	1220	264	88	376	439
27	96	133	587	276	178	387	197	864	246	136	375	438
28	96	248	676	640	299	444	153	977	237	231	373	438
29	96	279	694	948	---	711	127	1150	606	265	372	437
30	95	338	681	516	---	818	114	514	618	264	371	438
31	96	---	669	369	---	367	---	237	---	281	370	---
TOTAL	3886	5230	16859	18064	8064	17059	9216	18106	6295	7386	10631	12881
MEAN	125	174	544	583	288	550	307	584	210	238	343	429
MAX	167	539	1230	948	1080	869	1820	2380	618	581	634	495
MIN	91	94	339	276	172	191	62	87	100	88	144	368
CFSM	.48	.67	2.08	2.22	1.10	2.10	1.17	2.23	.80	.91	1.31	1.64
IN.	.55	.74	2.39	2.56	1.14	2.42	1.31	2.57	.89	1.05	1.51	1.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	93.7	239	421	614	662	777	609	411	195	120	95.5	83.2
MAX	494	800	1506	2742	1898	2543	1574	2001	668	787	530	484
(WY)	1980	1975	1952	1950	1950	1964	1972	1961	1949	1958	1977	1979
MIN	.000	.000	.17	17.5	27.7	144	130	37.5	8.66	.074	.000	.000
(WY)	1949	1954	1954	1964	1964	1992	1976	1952	1953	1954	1952	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	120539		133677			
ANNUAL MEAN	330		366		359	
HIGHEST ANNUAL MEAN					673	1950
LOWEST ANNUAL MEAN					63.6	1954
HIGHEST DAILY MEAN	1930	May 2	2380	May 19	13500	Mar 11 1964
LOWEST DAILY MEAN	25	Sep 3	62	Apr 11	.00	Oct 1 1948
ANNUAL SEVEN-DAY MINIMUM	27	Aug 21	66	Apr 6	.00	Oct 1 1948
INSTANTANEOUS PEAK FLOW			2530	May 19	14100	Mar 11 1964
INSTANTANEOUS PEAK STAGE			15.28	May 19	21.20	Mar 11 1964
ANNUAL RUNOFF (CFSM)	1.26		1.40		1.37	
ANNUAL RUNOFF (INCHES)	17.11		18.98		18.60	
10 PERCENT EXCEEDS	882		713		1060	
50 PERCENT EXCEEDS	196		276		121	
90 PERCENT EXCEEDS	38		97		6.0	

e Estimated

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 right bank 10 ft downstream 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^2.
PERIOD OF RECORD.--October 1970 to current year.
REVISED RECORDS.--WDR IN-75-1: 1971-74.
GAGE.--Water-stage recorder. Datum of gage is 459.22 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharge, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	.81	7.5	6.1	14	32	6.7	42	20	18	.42	.40
2	.56	.69	6.4	4.9	12	22	6.3	71	150	11	.33	.34
3	.44	.69	5.5	e3.7	11	19	5.9	30	97	7.6	.27	.30
4	.33	1.1	23	e2.6	12	16	6.7	23	35	59	.23	.25
5	.29	182	40	e2.3	e9.4	75	5.5	18	22	386	102	.23
6	.30	72	21	34	e8.0	83	5.5	15	16	45	23	.22
7	.40	21	17	28	e6.8	193	5.2	12	14	20	8.8	.23
8	.53	11	12	e15	e5.8	148	5.0	10	9.6	12	6.2	.24
9	1.7	87	216	12	e5.0	57	4.9	154	7.8	8.6	72	1.1
10	1.4	47	311	15	e4.5	38	4.3	43	6.7	19	54	.31
11	.88	20	83	49	e4.0	28	4.5	24	49	7.3	12	.21
12	.67	12	37	36	e3.8	22	12	18	51	5.3	7.2	.17
13	.83	8.4	25	24	e3.5	19	7.1	91	17	3.9	5.0	.17
14	1.2	6.8	19	26	4.0	16	6.1	85	11	2.9	3.7	.15
15	.99	6.4	15	27	326	14	5.7	33	7.8	2.3	2.9	.15
16	.81	21	147	19	173	13	5.9	64	5.7	1.9	2.4	.14
17	.75	15	83	16	64	11	30	1060	4.4	1.2	8.5	.15
18	.92	9.9	36	13	41	10	20	938	3.5	.83	7.6	.16
19	12	7.2	25	64	32	9.5	13	211	3.0	.58	19	.20
20	3.7	6.4	19	36	27	9.1	296	64	2.8	.43	15	.42
21	2.0	8.7	15	23	20	8.4	807	35	12	.45	9.0	.90
22	1.9	5.8	13	17	17	7.6	87	22	11	2.2	4.2	.36
23	1.8	4.9	11	14	16	9.8	94	16	5.1	67	2.4	.23
24	1.3	4.5	9.8	e10	13	7.7	103	12	36	19	1.6	.19
25	1.2	5.1	8.6	e8.4	12	6.6	47	523	15	6.3	1.2	.16
26	1.0	5.4	7.6	e7.2	11	6.2	30	93	11	3.5	.91	.15
27	.88	35	7.0	8.1	31	12	22	302	8.0	2.2	.73	.15
28	.81	29	6.6	239	71	9.7	17	538	5.7	1.5	.55	.16
29	.76	15	5.9	55	---	8.6	14	82	274	1.1	.52	.18
30	.70	9.7	5.4	26	---	7.9	13	42	41	.74	.46	.17
31	.77	---	5.2	17	---	7.3	---	26	---	.53	.44	---
TOTAL	42.48	659.49	1243.5	858.3	957.8	926.4	1690.3	4697	952.1	717.36	372.56	8.19
MEAN	1.37	22.0	40.1	27.7	34.2	29.9	56.3	152	31.7	23.1	12.0	.27
MAX	12	182	311	239	326	193	807	1060	274	386	102	1.1
MIN	.29	.69	5.2	2.3	3.5	6.2	4.3	10	2.8	.43	.23	.14
CFSM	.06	1.01	1.84	1.27	1.57	1.37	2.58	6.95	1.46	1.06	.55	.01
IN.	.07	1.13	2.12	1.46	1.63	1.58	2.88	8.02	1.62	1.22	.64	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	9.01	36.5	42.7	39.1	57.8	60.0	53.7	34.1	18.7	19.8	12.0	11.0
MAX	34.1	147	125	154	131	131	142	153	73.7	247	52.5	68.0
(WY)	1978	1980	1991	1982	1985	1989	1972	1983	1979	1979	1979	1986
MIN	.003	.38	3.28	.17	4.96	13.9	5.83	.35	.003	.32	.040	.022
(WY)	1988	1988	1977	1977	1992	1981	1986	1988	1988	1983	1991	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	8009.61		13125.48			
ANNUAL MEAN	21.9		36.0		32.7	
HIGHEST ANNUAL MEAN					78.4	1979
LOWEST ANNUAL MEAN					11.5	1992
HIGHEST DAILY MEAN	1080	Apr 30	1060	May 17	5110	Jul 26 1979
LOWEST DAILY MEAN	.04	Aug 17	.14	Sep 16	.00	Jun 23 1972
ANNUAL SEVEN-DAY MINIMUM	.06	Aug 15	.16	Sep 12	.00	Jun 23 1972
INSTANTANEOUS PEAK FLOW			2250	May 17	11500	Jul 26 1979
INSTANTANEOUS PEAK STAGE			11.87	May 17	15.30	Jul 26 1979
ANNUAL RUNOFF (CFSM)	1.01		1.65		1.50	
ANNUAL RUNOFF (INCHES)	13.67		22.40		20.39	
10 PERCENT EXCEEDS	42		72		63	
50 PERCENT EXCEEDS	6.4		9.4		7.2	
90 PERCENT EXCEEDS	.39		.43		.31	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1963 to September 1974, May 1986 to current year. Discharge measurements and gage readings June 1961 to September 1963, obtained by State of Indiana, Department of Natural Resources, are available in the district office.
GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Nov. 21, 1963, nonrecording gage on downstream side of bridge 65 ft downstream at same datum.
REMARKS.--Records good except for discharges below 150 ft³/s, which are fair, and estimated daily discharges, which are poor. Flow regulated by Patoka Lake. Minor diversion by municipal water supply 100 ft above gage.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 28.9 ft, from floodmarks, information from State of Indiana, Department of Natural Resources.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	91	411	e700	1400	961	703	1400	2990	972	419	355
2	49	87	416	e680	1230	820	405	1430	2770	664	476	353
3	72	88	408	e660	1000	621	226	1360	2730	344	406	353
4	141	90	400	e650	e740	493	172	1200	2420	209	412	353
5	151	147	445	e640	e600	517	155	979	2190	370	460	353
6	151	741	672	e640	e500	994	146	764	1950	999	910	352
7	152	994	665	e640	e410	1310	137	588	1610	1130	1040	370
8	155	805	541	e660	e400	1720	128	424	1300	1050	794	411
9	163	471	652	e730	e390	1630	121	321	1050	660	431	427
10	176	733	1340	887	e390	1590	113	586	837	382	849	428
11	174	888	1650	915	e390	1520	109	798	682	396	1160	436
12	166	725	1570	1090	e390	1330	106	575	758	288	1100	466
13	164	414	1580	1140	e390	1050	118	475	846	226	777	459
14	169	269	1590	1140	e390	788	137	1070	646	205	445	429
15	173	210	1540	1160	600	750	131	1250	420	208	302	427
16	166	197	1410	1130	1610	899	122	1170	279	207	265	429
17	137	216	1450	1070	1570	947	210	2310	215	201	289	429
18	96	251	1400	997	1570	943	455	4050	204	206	306	427
19	90	230	1380	1000	1610	940	443	4450	203	233	362	425
20	128	198	1300	1140	1580	941	592	6110	196	295	372	443
21	166	179	1100	1110	1410	927	3750	6890	193	355	386	466
22	133	175	873	952	1130	911	3630	6470	222	392	391	456
23	107	174	720	768	844	907	3480	5730	305	678	378	439
24	95	159	696	633	614	906	3820	4940	238	701	355	437
25	90	148	735	548	471	874	4080	4330	236	772	351	437
26	88	142	718	499	392	751	4070	3730	346	500	364	435
27	87	165	690	472	367	594	3740	3150	344	252	365	436
28	87	403	682	929	731	577	3200	3310	336	150	362	433
29	85	591	700	1450	---	572	2530	3430	342	177	360	428
30	85	461	735	1420	---	643	1890	3370	777	256	359	431
31	87	---	737	1430	---	780	---	3230	---	289	357	---
TOTAL	3835	10442	29206	27880	23119	29206	38919	79890	27635	13767	15603	12523
MEAN	124	348	942	899	826	942	1297	2577	921	444	503	417
MAX	176	994	1650	1450	1610	1720	4080	6890	2990	1130	1160	466
MIN	49	87	400	472	367	493	106	321	193	150	265	352
CFSM	.21	.58	1.56	1.49	1.37	1.56	2.15	4.27	1.53	.74	.83	.69
IN.	.24	.64	1.80	1.72	1.43	1.80	2.40	4.93	1.70	.85	.96	.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	125	397	721	983	1309	1548	1437	982	410	271	156	164
MAX	579	2218	2048	2576	2832	5126	3426	2909	1360	1305	503	417
(WY)	1991	1994	1991	1991	1991	1964	1972	1990	1990	1969	1995	1995
MIN	2.84	6.83	13.8	56.3	45.5	428	349	85.7	13.4	13.5	7.46	.94
(WY)	1965	1964	1964	1964	1964	1969	1967	1988	1972	1966	1965	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	242600		312025			
ANNUAL MEAN	665		855		702	
HIGHEST ANNUAL MEAN					1064	1990
LOWEST ANNUAL MEAN					224	1992
HIGHEST DAILY MEAN	3980	Jan 31	6890	May 21	15200	Mar 13 1964
LOWEST DAILY MEAN	29	Aug 18	49	Oct 2	.50	Aug 5 1964
ANNUAL SEVEN-DAY MINIMUM	30	Aug 17	87	Oct 25	.61	Sep 8 1972
INSTANTANEOUS PEAK FLOW			7020	May 21	15500	Mar 13 1964
INSTANTANEOUS PEAK STAGE			25.41	May 21	28.84	Mar 13 1964
ANNUAL RUNOFF (CFSM)	1.10		1.42		1.16	
ANNUAL RUNOFF (INCHES)	14.97		19.25		15.83	
10 PERCENT EXCEEDS	1570		1610		1890	
50 PERCENT EXCEEDS	355		493		276	
90 PERCENT EXCEEDS	41		149		17	

e Estimated

03376500 PATOKA RIVER NEAR PRINCETON, IN

LOCATION.--Lat 38°23'25", long 87°32'55", in section 107, T.1 S., R.10 W., Gibson County, Hydrologic Unit 05120209, on right downstream side of bridge on State Highway 65, 0.5 mi downstream from Indian Creek, 2 mi northeast of Princeton, and at mile 21.4.
DRAINAGE AREA.--822 mi^2.
PERIOD OF RECORD.--August 1934 to current year. 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).
REVISED RECORDS.--WSP 1275: 1952. WSP 1335: 1935-36, 1938-39, 1949(M), 1940-50. WSP 1385: 1951-52. WSP 2109: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 390.00 ft above sea level. Jan. 21, 1941 to Oct. 23, 1986, water-stage recorder at dam 0.1 mi downstream and at datum 4.14 ft higher. See WSP 1725 for history of changes prior to Jan. 21, 1941.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Patoka Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	103	461	e780	1720	1190	860	3730	4430	1150	323	373
2	58	110	436	e760	1710	1170	619	3550	4250	1110	512	368
3	55	107	435	e740	1620	944	337	3210	4170	687	466	368
4	99	111	423	e720	e1200	697	233	2930	4010	375	430	365
5	150	187	435	e710	e840	755	204	2660	3840	675	524	364
6	154	549	569	e700	e620	1180	191	2330	3640	965	828	364
7	152	980	677	e700	e500	1850	183	1750	3390	1270	1160	368
8	151	996	628	e700	e440	2050	174	1110	3130	1340	1160	407
9	161	804	765	e760	e430	2030	167	714	2890	1180	804	440
10	170	763	1330	1050	e425	2060	161	568	2580	689	1050	450
11	182	934	1670	1070	e425	2060	156	885	2170	458	1270	449
12	173	901	1700	1240	e425	2010	157	843	1560	411	1340	470
13	169	598	1720	1330	e425	1900	152	775	1480	290	1210	487
14	173	354	1730	1390	e425	1620	165	1110	1330	246	785	464
15	174	253	1730	1450	611	1230	169	1420	1010	232	446	438
16	172	224	1770	1440	1560	1100	161	1500	632	232	322	430
17	162	226	1810	1380	1710	1110	215	2220	420	224	307	430
18	131	250	1780	1360	1800	1110	515	3880	353	217	322	429
19	107	256	1730	1480	1850	1110	613	4140	334	229	360	428
20	121	227	1690	1550	1890	1100	798	4600	310	268	400	435
21	157	207	1600	1470	1890	1090	2700	5120	455	351	400	468
22	163	196	1410	1350	1840	1070	2680	5620	299	392	419	468
23	130	195	1150	1150	1620	1050	2990	6190	378	611	413	448
24	111	186	910	909	1190	1040	3430	6480	412	758	391	438
25	103	176	824	715	789	1030	3720	6480	347	851	370	436
26	101	167	821	596	544	957	3880	6140	400	758	376	439
27	101	353	788	547	520	788	3950	5770	490	409	387	438
28	101	473	753	1250	1050	679	3960	5660	471	216	385	438
29	101	585	746	1640	---	659	3950	5270	758	166	379	433
30	101	570	772	1690	---	665	3860	4910	1010	218	378	433
31	100	---	798	1710	---	803	---	4660	---	267	375	---
TOTAL	4046	12041	34061	34337	30069	38107	41350	106225	50949	17245	18292	12766
MEAN	131	401	1099	1108	1074	1229	1378	3427	1698	556	590	426
MAX	182	996	1810	1710	1890	2060	3960	6480	4430	1340	1340	487
MIN	55	103	423	547	425	659	152	568	299	166	307	364
CFSM	.16	.49	1.34	1.35	1.31	1.50	1.68	4.17	2.07	.68	.72	.52
IN.	.18	.54	1.54	1.55	1.36	1.72	1.87	4.81	2.31	.78	.83	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1995, BY WATER YEAR (WY)

MEAN	243	525	965	1519	1791	2207	1979	1423	743	433	310	219
MAX	2573	2978	3735	8365	5570	8531	4664	6810	3172	3075	3915	1125
(WY)	1946	1994	1952	1937	1950	1945	1989	1961	1957	1958	1979	1979
MIN	1.53	9.83	10.2	44.3	64.2	61.5	373	117	7.93	15.0	4.60	8.12
(WY)	1943	1944	1944	1944	1964	1941	1976	1941	1936	1944	1936	1942

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1935 - 1995	
ANNUAL TOTAL	302091		399488			
ANNUAL MEAN	828		1094		1026	
HIGHEST ANNUAL MEAN					2080	1950
LOWEST ANNUAL MEAN					151	1954
HIGHEST DAILY MEAN	3670	Feb 4	6480	May 24	18500	Jan 26 1937
LOWEST DAILY MEAN	42	Aug 27	55	Oct 3	.00	Aug 29 1936
ANNUAL SEVEN-DAY MINIMUM	45	Aug 22	101	Oct 25	.00	Aug 29 1936
INSTANTANEOUS PEAK FLOW			6560	May 25	18700	Jan 26 1937
INSTANTANEOUS PEAK STAGE			21.20	May 25	26.80	Jan 26 1937
ANNUAL RUNOFF (CFSM)	1.01		1.33		1.25	
ANNUAL RUNOFF (INCHES)	13.67		18.08		16.96	
10 PERCENT EXCEEDS	2100		2690		2800	
50 PERCENT EXCEEDS	448		677		370	
90 PERCENT EXCEEDS	63		167		25	

e Estimated

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 mi².
PERIOD OF RECORD.--January 1908 to September 1913 (gage heights only), October 1927 to current year. 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.
REVISED RECORDS.--WDR IN-73-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 369.46 ft above sea level. 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.--Records good except those for estimated daily discharges, which are fair. Flow partially regulated by upstream reservoirs.
EXTREMES OUTSIDE THE PERIOD OF RECORD.--(1874-78, 1884 to 1985) Maximum discharge, 428,000 ft³/s Mar. 30, 1913, from rating curve extended above 310,000 ft³/s, gage height, 33.0 ft, present site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5050	4510	10900	9810	27700	17200	17200	46500	93000	30300	9810	6610
2	4850	4410	11300	9490	25000	16800	16400	40500	87900	33400	9350	6490
3	4670	4690	11200	9180	23800	16200	15400	35400	84800	e35000	9010	6390
4	4530	5230	10300	8860	23600	15600	14600	32200	80900	e32000	8400	6110
5	4380	5500	9500	8470	23000	15800	14000	30600	73300	e29000	8680	5870
6	4220	5940	8870	8090	21800	18000	13400	29500	62200	e28000	9630	5670
7	4140	6650	8780	7490	20300	24600	12900	28000	e49100	e27000	10800	5490
8	4100	7360	9120	7120	e18200	43100	12400	25700	e44200	e25000	14200	5540
9	4160	8310	9930	7200	e16700	56500	11900	24200	39200	e22000	23300	5390
10	4150	10100	e13100	7770	e15000	62400	11500	22500	34900	e20000	36400	5320
11	4250	11100	e18800	8670	13700	66000	16600	22800	31500	e18000	42400	5300
12	4580	11400	23900	10600	e12800	68800	20900	25900	29600	16400	42500	5350
13	4820	11600	24900	12200	e12500	71300	21400	28200	30400	14600	40200	5620
14	4920	11400	23900	14100	e12200	73500	27300	31900	30500	13200	36500	5610
15	4910	10800	22300	16700	e12000	72500	31500	34500	29700	12300	30500	5420
16	4850	10100	20500	19000	14400	66900	33200	35200	28000	12200	24700	5260
17	4710	9720	19700	23200	18300	58900	33800	46300	25800	11600	20700	5220
18	4380	9300	19900	27200	22100	50200	33000	73200	23500	10100	18200	5090
19	4190	8690	19900	29300	23200	42000	32100	91500	21400	9570	16600	5090
20	3950	8300	19900	30800	23700	36400	33200	102000	19500	10100	15200	5070
21	3880	8340	20000	30300	23800	32100	39300	116000	18500	11400	13600	4970
22	3880	8030	19700	28800	23700	28600	48100	131000	17500	11500	12400	4870
23	3950	7840	18600	29400	23000	26000	52800	144000	16900	12100	11800	5210
24	4150	7930	16800	32100	21900	23600	58000	149000	16800	12600	11400	5510
25	4250	7890	15300	33700	20400	21700	61500	148000	17300	12300	11000	5450
26	4260	7510	14100	32900	18400	20500	62000	145000	19500	11100	10500	5380
27	4260	7450	12900	29600	16600	20100	60300	137000	e22000	10400	9750	5180
28	4340	10000	11900	27700	16400	19000	58300	128000	e21500	10700	8820	5070
29	4320	10400	11100	29900	---	18000	56000	119000	20800	11600	8040	4920
30	4330	10700	10500	30900	---	17600	52400	109000	24300	11800	7480	4820
31	4540	---	10200	31000	---	17300	---	100000	---	10700	7050	---
TOTAL	135970	251200	477800	611550	544200	1137200	971400	2232600	1114500	535970	538920	163290
MEAN	4386	8373	15410	19730	19440	36680	32380	72020	37150	17290	17380	5443
MAX	5050	11600	24900	33700	27700	73500	62000	149000	93000	35000	42500	6610
MIN	3880	4410	8780	7120	12000	15600	11500	22500	16800	9570	7050	4820
CFSM	.15	.29	.54	.69	.68	1.28	1.13	2.52	1.30	.60	.61	.19
IN.	.18	.33	.62	.79	.71	1.48	1.26	2.90	1.45	.70	.70	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	9333	15790	25890	37950	40880	50180	50710	40500	26740	18800	11850	9039
MAX	37700	87950	92340	199300	147100	108700	106400	129400	74500	73580	75530	50670
(WY)	1994	1994	1986	1950	1950	1985	1938	1961	1958	1958	1979	1989
MIN	2465	2632	2266	2861	3757	4815	11900	5805	5035	3366	2372	2572
(WY)	1941	1931	1964	1977	1931	1941	1941	1934	1988	1936	1936	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	8857900		8714600			
ANNUAL MEAN	24270		23880		28070	
HIGHEST ANNUAL MEAN					56740	1950
LOWEST ANNUAL MEAN					6144	1941
HIGHEST DAILY MEAN	158000	Apr 20	149000	May 24	302000	May 25 1943
LOWEST DAILY MEAN	3880	Oct 21	3880	Oct 21	1650	Sep 27 1941
ANNUAL SEVEN-DAY MINIMUM	4040	Oct 19	4040	Oct 19	1700	Dec 19 1963
INSTANTANEOUS PEAK FLOW			149000	May 24	305000	May 25 1943
INSTANTANEOUS PEAK STAGE			27.44	May 24	31.75	Jan 7 1991
ANNUAL RUNOFF (CFSM)	.85		.83		.98	
ANNUAL RUNOFF (INCHES)	11.51		11.32		13.32	
10 PERCENT EXCEEDS	63500		52600		67300	
50 PERCENT EXCEEDS	15800		16600		16400	
90 PERCENT EXCEEDS	4540		4950		4280	

e Estimated

03378500 WABASH RIVER AT NEW HARMONY, IN

LOCATION.--Lat 38°07'55", long 87°56'25" in SE¼SE¼ sec.35, T.4 S., R.14 W., Posey County, Hydrologic Unit 05120113, at bridge on U.S. Highway 66 at New Harmony, at Indiana-Illinois state line, and at mile 51.5.

DRAINAGE AREA.--29,234 mi².

PERIOD OF RECORD.--August 1988 to current year. Water discharge published October 1938 to September 1947.

GAGE.--Water-stage recorder. Datum of gage is 353.20 ft above sea level. (Furnished by National Weather Service). (Prior to October 1992, erroneously published as 353.30 ft above sea level).

REMARKS.--Water-quality data collected October 1974 to September 1986.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.84 ft. May 26, 1943. Beginning August 1988, minimum gage height 0.46 ft. Oct. 12, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of 27.7 ft. Flood of Jan. 31, 1937, reached a stage of 24.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.31 ft. May 26; minimum gage height, .89 ft., Oct. 23, 24.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.32	1.09	2.85	2.60	6.53	4.32	4.14	10.59	16.76	6.80	2.57	1.77
2	1.26	1.07	2.95	2.52	5.97	4.17	4.00	9.51	16.32	7.47	2.47	1.71
3	1.21	1.13	2.93	2.45	5.71	3.99	3.78	8.35	16.02	7.51	2.37	1.69
4	1.16	1.43	2.75	2.37	5.67	3.87	3.61	7.53	15.71	7.25	2.23	1.63
5	1.11	1.54	2.55	2.29	5.50	3.95	3.48	7.11	15.18	7.03	2.41	1.55
6	1.05	1.53	2.39	2.24	5.19	4.56	3.35	6.83	14.00	6.58	2.54	1.49
7	1.00	1.78	2.35	2.07	4.85	6.32	3.25	6.51	12.23	6.19	2.71	1.43
8	1.01	1.98	2.46	1.93	---	9.87	3.15	6.04	10.60	5.85	3.30	1.45
9	1.01	2.37	2.73	1.95	---	12.22	3.03	5.80	9.36	5.29	5.22	1.39
10	1.01	2.73	---	2.10	---	13.31	2.99	5.34	8.31	4.72	8.24	1.37
11	1.05	2.91	---	2.37	3.45	13.90	3.96	5.33	7.53	4.33	9.35	1.37
12	1.15	2.97	5.57	2.89	3.29	14.29	4.87	5.89	6.98	3.91	9.32	1.36
13	1.25	3.00	5.79	3.21	3.23	14.55	4.95	6.45	7.03	3.53	8.91	1.42
14	1.27	2.97	5.60	3.87	3.25	14.77	6.19	7.26	7.04	3.25	8.20	1.43
15	1.25	2.87	5.25	4.29	3.29	14.74	7.11	7.73	6.86	3.17	6.99	1.39
16	1.24	2.70	4.93	4.73	3.73	14.19	7.49	7.95	6.48	3.06	5.76	1.35
17	1.19	2.61	4.73	5.59	4.38	13.08	7.63	11.22	6.01	2.94	4.86	1.31
18	1.13	2.51	4.77	6.56	5.20	11.54	7.49	15.14	5.51	2.62	4.29	1.27
19	1.03	2.37	4.75	7.15	5.49	9.87	7.29	16.32	5.02	2.48	3.95	1.29
20	.93	2.30	4.73	7.35	5.61	8.55	7.73	17.01	4.74	2.55	3.65	1.26
21	.91	2.24	4.77	7.20	5.63	7.55	9.02	17.61	4.45	2.83	3.33	1.21
22	.91	2.19	4.71	6.77	5.61	6.77	10.49	18.25	4.17	2.87	3.09	1.17
23	.89	2.13	4.48	6.82	5.43	6.15	11.34	18.63	4.01	2.97	2.95	1.25
24	.97	2.14	4.10	7.39	5.21	5.65	12.31	18.81	4.01	3.11	2.87	1.37
25	.99	2.14	3.79	7.74	4.91	5.21	12.93	19.26	4.21	3.07	2.79	1.35
26	1.01	2.05	3.55	7.57	4.48	4.93	13.03	19.26	4.83	2.81	2.69	1.33
27	1.01	2.21	3.31	6.95	4.23	4.95	12.83	19.11	5.17	2.66	2.54	1.29
28	1.05	2.76	3.07	6.71	4.29	4.69	12.53	18.77	4.83	3.01	2.34	1.25
29	1.03	2.87	2.92	7.12	---	4.37	12.13	18.28	5.01	3.02	2.16	1.21
30	1.04	2.83	2.79	7.23	---	4.24	11.52	17.83	5.60	3.06	2.01	1.16
31	1.11	---	2.70	7.23	---	4.17	---	17.22	---	2.81	1.89	---
MEAN	1.08	2.25	---	4.81	---	8.22	7.25	12.16	8.13	4.15	4.13	1.38
MAX	1.32	3.00	---	7.74	---	14.77	13.03	19.26	16.76	7.51	9.35	1.77
MIN	.89	1.07	---	1.93	---	3.87	2.99	5.33	4.01	2.48	1.89	1.16

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^2.
PERIOD OF RECORD.--July 1965 to current year.
GAGE.--Water-stage recorder. Datum of gage is 370.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.93	.48	1.9	3.6	64	132	14	173	33	36	5.4	.47
2	.52	.18	1.3	3.3	64	86	13	419	55	21	3.6	.32
3	.30	.16	.99	e2.5	67	67	12	123	45	16	2.6	.25
4	.11	.93	1.0	e1.7	72	57	12	85	26	16	2.1	.20
5	.04	137	1.3	e1.4	e50	143	10	66	23	460	613	.18
6	.01	182	1.1	8.9	e38	211	11	52	28	74	433	.18
7	.01	12	1.2	63	e36	562	11	43	21	34	31	.20
8	.02	3.2	1.2	e15	e33	535	10	35	68	22	16	.18
9	.25	114	15	e8.2	e29	156	10	40	38	17	74	.17
10	.11	118	364	e6.9	e25	112	8.2	29	108	16	888	.18
11	.05	9.3	261	19	e21	92	7.5	21	168	11	69	.24
12	.04	3.1	24	38	e19	74	7.9	19	289	9.1	27	.23
13	.61	1.4	13	30	e18	60	6.5	40	69	7.5	15	.24
14	.83	1.0	8.9	107	e17	51	5.8	398	42	6.1	9.8	.24
15	.60	.81	6.7	106	390	46	5.8	85	29	34	6.6	.24
16	.39	1.3	14	47	821	39	6.2	168	22	17	4.9	.25
17	.31	1.6	77	33	171	33	30	3210	18	6.3	3.6	.23
18	.78	2.5	26	127	129	29	79	4150	15	4.5	2.9	.20
19	1.5	1.4	14	537	127	29	29	1820	14	3.3	2.6	.29
20	1.1	.95	11	239	116	28	717	361	13	2.7	2.0	.57
21	2.8	1.2	8.6	95	87	24	4080	120	38	8.3	1.5	.54
22	2.1	1.0	7.1	58	66	21	1460	82	14	4.2	1.2	.42
23	.95	.89	6.3	42	58	19	321	61	12	2.9	.96	e.20
24	.64	1.1	5.6	e28	41	15	341	47	15	96	.75	e.11
25	.40	1.0	5.0	e23	37	13	139	58	45	8.9	.74	e.11
26	.24	1.1	4.0	e19	35	14	92	47	266	4.0	.72	e.11
27	.15	42	3.7	21	111	37	67	101	66	2.5	.59	e.11
28	.14	95	3.5	523	455	29	47	457	38	854	.51	e.11
29	.08	9.5	3.2	274	---	18	39	102	82	173	.59	e.10
30	.06	3.2	3.1	96	---	16	37	54	262	16	.63	e.10
31	.34	---	3.0	71	---	15	---	41	---	8.3	.51	---
TOTAL	16.41	747.30	897.69	2647.5	3197	2763	7628.9	12507	1962	1991.6	2220.80	6.97
MEAN	.53	24.9	29.0	85.4	114	89.1	254	403	65.4	64.2	71.6	.23
MAX	2.8	182	364	537	821	562	4080	4150	289	854	888	.57
MIN	.01	.16	.99	1.4	17	13	5.8	19	12	2.5	.51	.10
CFSM	.01	.24	.28	.82	1.10	.86	2.45	3.88	.63	.62	.69	.00
IN.	.01	.27	.32	.95	1.14	.99	2.73	4.47	.70	.71	.79	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1995, BY WATER YEAR (WY)

MEAN	20.6	89.1	138	143	197	219	191	154	73.5	70.7	45.3	28.8
MAX	131	513	710	559	727	581	577	742	285	264	341	233
(WY)	1978	1986	1983	1982	1990	1975	1983	1990	1973	1992	1977	1982
MIN	.019	.96	.30	.13	9.15	14.3	8.73	2.98	.62	.33	.18	.000
(WY)	1969	1966	1966	1977	1992	1981	1981	1988	1988	1994	1988	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	19112.33		36586.17			
ANNUAL MEAN	52.4		100		114	
HIGHEST ANNUAL MEAN					205	1983
LOWEST ANNUAL MEAN					38.7	1987
HIGHEST DAILY MEAN	1610	Jan 28	4150	May 18	6440	Jan 31 1982
LOWEST DAILY MEAN	.01	Jul 23	.01	Oct 6	.00	Jul 22 1966
ANNUAL SEVEN-DAY MINIMUM	.01	Jul 23	.07	Oct 5	.00	Jul 29 1966
INSTANTANEOUS PEAK FLOW			4710	Apr 21	7880	May 1 1983
INSTANTANEOUS PEAK STAGE			18.94	Apr 21	19.72	Apr 24 1975
ANNUAL RUNOFF (CFSM)	.50		.96		1.09	
ANNUAL RUNOFF (INCHES)	6.84		13.09		14.85	
10 PERCENT EXCEEDS	94		169		208	
50 PERCENT EXCEEDS	5.8		15		16	
90 PERCENT EXCEEDS	.04		.24		.21	

e Estimated

04092677 GRAND CALUMET RIVER AND INDUSTRIAL HWY AT GARY, IN

LOCATION.--Lat 41°36'29", long 87°23'39",in NW1/4NW1/4 sec.6, T.37 N., R.8W., Lake County, Hydrologic Unit 04040001, on left bank, 100 feet streamward of the centerline of Interstate 90, 30 feet upstream of U.S. 12 (Industrial Highway), 6,000 feet southeast of Gary Airport terminal, 2,000 feet downstream of Norfolk and Western railroad bridge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to September 1994, (gage heights only), October 1994 to current year.

GAGE.--Water-stage recorder and Acoustic Velocity Meter. Datum of gage is 580.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Discharge is primarily from Industrial and city effluent.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	524	461	440	448	454	462	462	406	429	453	466
2	444	458	462	437	434	458	463	463	447	423	458	487
3	446	474	459	441	447	453	485	457	458	441	539	490
4	453	508	459	442	445	464	468	449	463	447	493	488
5	454	498	448	441	452	479	460	449	471	431	474	482
6	449	487	453	433	454	463	452	455	489	415	469	486
7	449	485	501	438	454	526	448	447	506	413	466	468
8	471	468	452	432	418	506	460	443	484	421	464	458
9	455	464	459	438	424	480	501	440	464	430	478	478
10	445	467	454	426	455	477	515	460	484	433	463	474
11	452	473	443	410	455	480	524	443	468	427	464	484
12	445	473	460	437	455	475	531	439	450	432	457	485
13	425	468	464	457	466	471	510	456	448	412	460	489
14	439	485	459	528	467	484	497	463	441	425	448	476
15	440	473	457	475	448	479	500	442	451	439	447	479
16	437	448	465	457	437	456	495	441	446	441	458	488
17	444	461	469	449	441	453	489	437	450	438	454	485
18	460	468	450	446	453	467	509	441	450	431	457	481
19	467	460	467	458	447	456	503	443	447	428	470	483
20	450	463	461	463	451	476	469	456	446	432	457	479
21	455	470	452	470	451	473	486	447	438	437	472	478
22	471	470	454	451	443	460	474	457	453	440	479	469
23	465	468	450	446	440	448	472	479	457	431	483	472
24	464	456	446	438	434	448	477	519	458	432	463	471
25	461	460	431	434	444	456	484	495	454	449	459	468
26	448	450	438	436	455	464	470	469	468	440	473	473
27	455	500	450	446	517	480	471	473	490	435	464	466
28	463	480	442	442	476	494	471	485	480	475	474	473
29	472	469	441	452	---	470	466	481	455	448	474	471
30	466	462	439	456	---	462	478	483	447	441	483	481
31	496	---	445	462	---	468	---	479	---	443	479	---
TOTAL	14074	14190	14091	13881	12611	14580	14490	14253	13769	13459	14532	14328
MEAN	454	473	455	448	450	470	483	460	459	434	469	478
MAX	496	524	501	528	517	526	531	519	506	475	539	490
MIN	425	448	431	410	418	448	448	437	406	412	447	458

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1995, BY WATER YEAR (WY)

MEAN	454	473	455	448	450	470	483	460	459	434	469	478
MAX	454	473	455	448	450	470	483	460	459	434	469	478
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	454	473	455	448	450	470	483	460	459	434	469	478
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS FOR 1995 WATER YEAR

ANNUAL TOTAL	168258	
ANNUAL MEAN	461	
HIGHEST DAILY MEAN	539	Aug 3
LOWEST DAILY MEAN	406	Jun 1
ANNUAL SEVEN-DAY MINIMUM	424	Jul 7
INSTANTANEOUS PEAK FLOW	688	Jun 27
INSTANTANEOUS PEAK STAGE	a4.03	Jan 6
10 PERCENT EXCEEDS	486	
50 PERCENT EXCEEDS	459	
90 PERCENT EXCEEDS	437	

a Backwater

04092750 INDIANA HARBOR CANAL AT EAST CHICAGO, IN

LOCATION.--Lat 41°39'27", long 87°27'21", in NE$^1/_4$SE$^1/_4$ sec.16, T.37N., R.9W., Lake County, Hydrologic Unit 04040001, on right bank 1200 ft downstream (northeast) of Dickey Road bridge, 1.2 miles upstream (southwest) of mouth at Indiana Harbor, 1.3 miles east of Indianapolis Boulevard, 1 mile north of East Chicago, IN.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter. Datum of gage is 570.00 ft above sea level.

REMARKS.--Records fair, except for estimated daily discharges and the period Oct. 1-21, 1993, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	---	---	---	---	---	---	---	---	---	---	---
2	-29	---	---	---	---	---	---	---	---	---	---	---
3	198	---	---	---	---	---	---	---	---	---	---	---
4	-136	---	---	---	---	---	---	---	---	---	---	---
5	-85	---	---	---	---	---	---	---	---	---	---	---
6	63	---	---	---	---	---	---	---	---	---	---	---
7	-.53	---	---	---	---	---	---	---	---	---	---	---
8	-337	---	---	---	---	---	---	---	---	---	---	---
9	-15	---	---	---	---	---	---	---	---	---	---	---
10	-14	---	---	---	---	---	---	---	---	---	---	---
11	196	---	---	---	---	---	---	---	---	---	---	---
12	-193	---	---	---	---	---	---	---	---	---	---	---
13	-61	---	---	---	---	---	---	---	---	---	---	---
14	-104	---	---	---	---	---	---	---	---	---	---	---
15	-30	---	---	---	---	---	---	---	---	---	---	---
16	26	---	---	---	---	---	---	---	---	---	---	---
17	80	---	---	---	---	---	---	---	---	---	---	---
18	-109	---	---	---	---	---	---	---	---	---	---	---
19	-279	---	---	---	---	---	---	---	---	---	---	---
20	-308	---	---	---	---	---	---	---	---	---	---	---
21	-641	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1994, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

04092750 INDIANA HARBOR CANAL AT EAST CHICAGO, IN

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e630	e840	e665	e640	588	621	e620	671	545	671	690	714
2	e640	e690	e660	e640	604	635	e610	669	605	540	670	670
3	e645	e730	e660	e650	619	616	588	600	654	661	802	677
4	e660	e840	e660	e650	592	599	741	508	626	391	672	717
5	e680	e720	e650	e655	634	621	640	436	597	633	733	707
6	e660	e720	659	e640	581	682	652	478	531	610	746	677
7	e660	e700	888	e640	585	767	634	452	568	508	780	723
8	e760	e690	725	e640	664	742	652	547	888	303	709	610
9	e690	e680	589	e635	600	676	858	599	741	561	501	717
10	e660	e680	611	e620	595	646	892	e590	728	591	461	693
11	e660	e685	673	e610	638	645	840	e580	721	655	519	742
12	e660	e695	655	664	e620	636	845	576	663	550	691	731
13	e630	e680	668	672	e635	617	813	682	554	426	746	699
14	e640	e740	675	943	e640	555	710	751	479	640	683	700
15	e660	e700	e680	734	e640	621	700	624	486	511	612	732
16	e650	e650	e690	719	649	601	709	608	485	557	630	643
17	e655	e660	e660	708	633	634	715	691	523	505	706	724
18	e660	e680	e680	683	628	633	771	682	595	461	634	728
19	e740	e670	e690	732	642	662	743	672	766	562	741	651
20	e670	e670	e670	754	575	734	690	664	816	479	792	681
21	e660	e680	721	722	706	698	746	595	601	467	757	707
22	e680	e680	619	667	651	621	698	539	497	558	732	730
23	e690	e670	645	633	645	647	621	698	661	440	735	699
24	e680	e660	681	643	677	631	556	864	743	544	744	705
25	e670	e680	566	580	531	e640	626	787	681	607	719	679
26	e660	e730	672	646	647	e680	519	e740	721	637	711	706
27	e670	e790	e660	e640	734	e710	710	697	728	541	741	676
28	e680	e740	e660	e650	711	e740	631	724	625	729	741	672
29	e700	e700	e640	e660	---	e680	557	699	680	723	669	712
30	e680	e670	e650	e670	---	e645	609	542	715	756	669	701
31	e750	---	e600	673	---	e640	---	491	---	735	689	---
TOTAL	20830	21120	20622	20813	17664	20275	20696	19456	19223	17552	21425	20923
MEAN	672	704	665	671	631	654	690	628	641	566	691	697
MAX	760	840	888	943	734	767	892	864	888	756	802	742
MIN	630	650	566	580	531	555	519	436	479	303	461	610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

MEAN	672	704	665	671	631	654	690	628	641	566	691	697
MAX	672	704	665	671	631	654	690	628	641	566	691	697
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	672	704	665	671	631	654	690	628	641	566	691	697
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 WATER YEAR		WATER YEARS 1994 - 1995		
ANNUAL TOTAL	240599				
ANNUAL MEAN	659		659		
HIGHEST ANNUAL MEAN			659		1995
LOWEST ANNUAL MEAN			659		1995
HIGHEST DAILY MEAN	943	Jan 14	943	Jan 14	1995
LOWEST DAILY MEAN	303	Jul 8	-641	Oct 21	1993
ANNUAL SEVEN-DAY MINIMUM	496	Jul 17	-180	Oct 15	1993
INSTANTANEOUS PEAK FLOW	2520	Apr 10	8530	Apr 10	1992
INSTANTANEOUS PEAK STAGE	11.65	Jun 7	12.27	Mar 10	1992
10 PERCENT EXCEEDS	741		741		
50 PERCENT EXCEEDS	664		660		
90 PERCENT EXCEEDS	556		504		

e Estimated

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 Ridge Road in Hobart, 300 ft upstream from Duck Creek, and 400 ft downstream from Lake George Dam.
DRAINAGE AREA.--124 mi^2.
PERIOD OF RECORD.--April 1947 to current year.
REVISED RECORDS.--WSP 1337: 1953. WSP 1507: 1956. WDR IN-72-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 588.17 ft above sea level (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.--Records good except for estimated daily discharges, which are poor. Flow subject to regulation by operation of Lake George Dam.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	176	82	62	e58	152	76	118	85	50	31	20
2	17	215	81	55	e66	107	69	110	74	42	26	20
3	17	88	76	e50	71	92	66	96	123	36	80	18
4	17	79	71	e47	70	68	64	86	96	36	142	18
5	17	89	68	e44	e60	69	61	80	76	43	102	18
6	18	116	67	e43	e53	70	57	76	54	41	53	18
7	18	117	329	e43	e49	213	55	75	78	31	56	17
8	22	92	581	e44	e45	553	57	74	120	29	50	27
9	45	81	509	e44	e45	546	170	62	79	28	45	28
10	43	100	348	e45	e46	340	696	80	51	33	43	23
11	30	100	223	e47	e44	206	995	90	54	37	38	21
12	25	86	121	e60	e43	158	1180	84	52	35	34	19
13	22	75	100	92	e42	142	1110	77	49	31	31	19
14	20	64	95	537	e41	113	800	94	45	27	28	14
15	20	67	87	988	e42	91	530	91	42	26	26	14
16	20	67	83	848	44	99	336	78	39	52	31	16
17	20	63	99	568	45	92	214	70	37	44	37	13
18	22	61	111	350	46	85	182	69	34	32	39	14
19	24	53	103	272	47	79	195	72	31	27	39	15
20	23	51	93	547	49	108	163	68	31	25	55	16
21	23	63	85	627	50	66	123	58	29	23	52	18
22	25	67	80	e400	50	65	147	55	29	22	39	22
23	27	65	69	e220	50	72	128	53	29	27	33	17
24	29	61	69	e130	49	70	108	133	28	42	29	16
25	25	54	69	e94	48	66	93	257	26	39	27	16
26	26	52	66	e80	49	61	85	289	27	37	26	14
27	31	65	64	e70	90	66	132	201	38	35	26	13
28	36	228	61	e62	188	92	115	170	59	50	24	12
29	34	228	60	e56	---	97	93	173	72	67	24	12
30	28	114	60	e52	---	88	104	136	64	51	25	13
31	44	---	59	e54	---	81	---	128	---	39	22	---
TOTAL	786	2837	4069	6631	1580	4207	8204	3303	1651	1137	1313	521
MEAN	25.4	94.6	131	214	56.4	136	273	107	55.0	36.7	42.4	17.4
MAX	45	228	581	988	188	553	1180	289	123	67	142	28
MIN	17	51	59	43	41	61	55	53	26	22	22	12
CFSM	.20	.76	1.06	1.73	.46	1.09	2.21	.86	.44	.30	.34	.14
IN.	.24	.85	1.22	1.99	.47	1.26	2.46	.99	.50	.34	.39	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1995, BY WATER YEAR (WY)

MEAN	59.4	96.3	114	116	143	219	216	147	106	58.9	47.0	50.1
MAX	433	499	393	475	415	688	477	454	557	302	427	312
(WY)	1955	1986	1983	1993	1959	1979	1950	1970	1993	1983	1990	1993
MIN	6.42	10.7	12.5	10.8	14.7	38.3	23.1	21.8	16.4	10.7	8.81	6.91
(WY)	1957	1957	1963	1977	1964	1957	1963	1958	1988	1988	1964	1948

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1948 - 1995	
ANNUAL TOTAL	32724		36239			
ANNUAL MEAN	89.7		99.3		114	
HIGHEST ANNUAL MEAN					234	1993
LOWEST ANNUAL MEAN					35.3	1963
HIGHEST DAILY MEAN	696	Mar 7	1180	Apr 12	3900	Nov 28 1990
LOWEST DAILY MEAN	15	Sep 17	12	Sep 28	.00	Nov 5 1978
ANNUAL SEVEN-DAY MINIMUM	16	Sep 15	14	Sep 24	.20	Nov 3 1978
INSTANTANEOUS PEAK FLOW			1230	Apr 12	4230	Nov 28 1990
INSTANTANEOUS PEAK STAGE			10.63	Apr 12	19.48	Oct 11 1954
ANNUAL RUNOFF (CFSM)	.72		.80		.92	
ANNUAL RUNOFF (INCHES)	9.82		10.87		12.51	
10 PERCENT EXCEEDS	155		184		270	
50 PERCENT EXCEEDS	61		58		48	
90 PERCENT EXCEEDS	21		21		13	

e Estimated

04093200 LITTLE CALUMET RIVER AT GARY, IN

LOCATION.--Lat 41°34'19", long 87°19'13", in NE$^1/_4$SE$^1/_4$ sec.15, T.36 N., R.8 W., Lake County, Hydrologic Unit 04040001, on right bank 100 ft upstream of Conrail Railroad bridge, 800 ft upstream of Martin Luther King Avenue bridge at Gary, 1.3 mi downstream of highway 53, and 1.5 mi upstream from confluence with Deep River.

DRAINAGE AREA.--5.82 mi^2, approximately.

PERIOD OF RECORD.--June 1958 to September 1967, October 1968 to September 30, 1971 (discharge), December, 1984 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 580.00 ft above sea level.

REMARKS.--Stage affected by backwater from Deep River during times of flood. Minimum gage height for the period of record may have been lower prior to December 13, 1984.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.31 ft, Nov. 30, 1990; minimum gage height, 5.27 ft, Aug. 7, 8, 1991. Minimum gage height was not published prior to December 13, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.-- Flood in October 1954 reached a stage of 13.09 ft, from flood mark.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.43 ft, Feb. 1; minimum gage height, 8.69 ft, July 9, 10, 14, 15, 16, Sept. 4, 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.86	9.65	10.07	9.39	10.28	9.61	9.40	9.35	9.40	9.21	9.07	8.73
2	8.81	9.87	10.05	9.37	10.23	9.61	9.36	9.32	9.29	9.10	8.99	8.71
3	8.79	9.90	10.02	9.35	9.36	9.56	9.34	9.26	9.28	8.99	9.16	8.70
4	8.77	9.90	10.00	9.27	9.34	9.59	9.32	9.19	9.25	8.94	9.38	8.69
5	8.75	9.94	9.98	9.19	9.24	9.53	9.29	9.14	9.18	8.90	9.49	8.72
6	8.74	9.99	9.99	9.17	9.24	9.50	9.27	9.08	9.14	8.86	9.49	8.76
7	8.73	10.02	10.10	9.16	9.19	9.59	9.26	9.04	9.18	8.77	9.42	8.79
8	8.89	10.03	10.22	9.13	9.13	9.66	9.25	9.00	9.26	8.71	9.34	8.89
9	9.20	10.03	10.17	9.13	9.12	9.65	9.50	9.01	9.25	8.69	9.25	8.93
10	9.27	10.03	10.10	9.13	9.10	9.65	9.83	9.20	9.20	8.74	9.12	8.93
11	9.24	10.03	10.05	9.12	9.04	9.65	10.03	9.35	9.13	8.75	8.98	8.91
12	9.20	10.03	9.97	9.27	9.01	9.81	10.13	9.39	9.07	8.72	8.89	8.91
13	9.18	10.00	9.89	9.45	8.96	9.75	10.15	9.36	9.03	8.70	8.81	8.91
14	9.18	9.98	9.81	9.79	8.94	9.72	10.11	9.37	9.01	8.69	8.78	8.91
15	9.17	9.96	9.70	10.03	8.96	9.78	9.97	9.43	8.97	8.69	8.75	8.90
16	9.16	9.96	9.65	10.12	8.99	9.79	9.87	9.41	8.93	8.85	8.76	8.87
17	9.14	9.95	9.64	10.12	9.00	9.72	9.76	9.36	8.90	8.88	8.77	8.86
18	9.13	9.94	9.65	10.10	9.01	9.60	9.71	9.31	8.87	8.82	8.74	8.85
19	9.14	9.92	9.65	10.07	9.05	9.51	9.67	9.27	8.85	8.78	8.97	8.85
20	9.14	9.90	9.63	10.09	9.09	9.48	9.62	9.20	8.82	8.77	9.22	8.87
21	9.14	9.92	9.59	10.12	9.10	9.48	9.57	9.12	8.76	8.77	9.33	8.95
22	9.14	9.97	9.56	10.12	9.11	9.49	9.50	9.04	8.73	8.76	9.26	9.03
23	9.14	9.98	9.51	10.12	9.11	9.49	9.42	9.05	8.72	8.77	9.12	9.04
24	9.14	9.98	9.48	10.12	9.12	9.46	9.34	9.27	8.72	8.78	9.00	9.03
25	9.13	9.96	9.46	10.12	9.12	9.42	9.26	9.46	8.72	8.89	8.88	9.02
26	9.11	9.93	9.40	10.12	9.14	9.37	9.21	9.58	8.75	9.00	8.86	9.01
27	9.11	9.95	9.38	10.12	9.38	9.40	9.24	9.61	9.03	9.04	8.84	8.99
28	9.11	10.04	9.37	10.12	9.57	9.48	9.31	9.60	9.38	9.21	8.82	8.97
29	9.10	10.08	9.36	10.12	---	9.48	9.36	9.59	9.38	9.31	8.81	8.98
30	9.09	10.08	9.36	10.11	---	9.47	9.37	9.54	9.34	9.26	8.78	8.97
31	9.29	---	9.36	10.02	---	9.44	---	9.46	---	9.15	8.76	---
MEAN	9.06	9.96	9.75	9.73	9.21	9.57	9.55	9.30	9.05	8.89	9.03	8.89
MAX	9.29	10.08	10.22	10.12	10.28	9.81	10.15	9.61	9.40	9.31	9.49	9.04
MIN	8.73	9.65	9.36	9.12	8.94	9.37	9.21	9.00	8.72	8.69	8.74	8.69

CAL YR 1994 MEAN 9.06 MAX 10.22 MIN 8.60
WTR YR 1995 MEAN 9.33 MAX 10.28 MIN 8.69

04094000 LITTLE CALUMET RIVER AT PORTER, IN

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.
DRAINAGE AREA.--66.2 mi².
PERIOD OF RECORD.--May 1945 to current year.
REVISED RECORDS.--WSP 1084: 1945. WSP 1337: 1946-47. WDR IN-72-1: Drainage area. WDR IN-83-1: 1982.
GAGE.--Water-stage recorder. Datum of gage is 603.48 ft above sea level. Prior to June 26, 1952, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	259	85	59	69	160	71	124	66	44	42	34
2	29	348	74	e53	80	103	66	100	78	40	44	33
3	29	161	72	e50	89	77	63	84	167	39	74	32
4	28	116	66	e48	e74	68	66	76	125	46	103	31
5	28	126	62	e46	e63	68	59	79	85	62	75	31
6	28	227	63	e44	e58	77	57	71	74	49	60	30
7	27	213	263	e44	e54	176	53	67	75	42	53	31
8	32	123	414	e45	e50	395	52	64	83	39	52	32
9	65	109	220	e46	e47	229	143	72	78	38	51	32
10	48	160	182	e47	e50	157	342	126	72	38	53	32
11	36	129	130	e50	e53	152	410	125	69	37	49	29
12	33	113	97	e56	e45	139	572	88	63	39	48	28
13	31	91	82	167	e41	118	377	75	55	38	46	29
14	31	88	72	425	e40	101	211	85	52	35	43	28
15	32	88	67	590	e41	89	152	76	49	34	45	27
16	30	74	70	296	e43	81	120	66	46	77	51	27
17	30	66	130	186	e47	73	102	69	45	57	56	29
18	32	65	122	145	54	68	114	74	43	44	52	28
19	36	62	93	148	71	65	113	82	42	40	50	27
20	39	60	78	283	83	66	100	67	40	38	50	26
21	40	62	72	224	89	66	146	58	41	40	43	28
22	42	59	68	e140	72	62	143	53	43	39	42	34
23	45	54	64	e120	77	63	107	55	42	45	40	31
24	48	53	61	e100	85	64	92	143	40	55	38	28
25	45	51	58	e90	76	59	83	271	39	89	37	26
26	42	50	56	e82	74	57	78	205	41	62	36	25
27	40	73	55	e74	167	68	95	129	48	55	35	26
28	39	237	54	e73	268	127	99	159	68	53	43	25
29	39	178	52	e68	---	107	85	190	59	46	47	25
30	39	111	51	e64	---	87	96	111	50	42	39	24
31	65	---	51	e66	---	77	---	79	---	41	36	---
TOTAL	1157	3606	3084	3929	2060	3299	4267	3123	1878	1443	1533	868
MEAN	37.3	120	99.5	127	73.6	106	142	101	62.6	46.5	49.5	28.9
MAX	65	348	414	590	268	395	572	271	167	89	103	34
MIN	27	50	51	44	40	57	52	53	39	34	35	24
CFSM	.56	1.82	1.50	1.91	1.11	1.61	2.15	1.52	.95	.70	.75	.44
IN.	.65	2.03	1.73	2.21	1.16	1.85	2.40	1.75	1.06	.81	.86	.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1995, BY WATER YEAR (WY)

MEAN	59.5	77.2	81.6	79.9	93.7	123	119	85.3	72.7	46.6	42.9	44.3
MAX	414	285	186	202	175	319	292	194	272	190	277	143
(WY)	1955	1991	1966	1993	1976	1982	1947	1948	1993	1981	1990	1972
MIN	22.3	27.4	24.5	27.0	30.9	52.9	44.6	33.5	25.6	22.2	23.1	21.4
(WY)	1964	1954	1964	1977	1964	1964	1963	1958	1965	1988	1964	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1946 - 1995	
ANNUAL TOTAL	29621		30247			
ANNUAL MEAN	81.2		82.9		77.0	
HIGHEST ANNUAL MEAN					124	1991
LOWEST ANNUAL MEAN					36.5	1964
HIGHEST DAILY MEAN	804	Jun 14	590	Jan 15	3040	Nov 28 1990
LOWEST DAILY MEAN	27	Oct 7	24	Sep 30	17	Aug 24 1965
ANNUAL SEVEN-DAY MINIMUM	28	Oct 1	26	Sep 24	19	Aug 20 1965
INSTANTANEOUS PEAK FLOW			773	Jan 15	3880	Nov 28 1990
INSTANTANEOUS PEAK STAGE			7.82	Jan 15	11.66	Oct 10 1954
ANNUAL RUNOFF (CFSM)	1.23		1.25		1.16	
ANNUAL RUNOFF (INCHES)	16.65		17.00		15.81	
10 PERCENT EXCEEDS	148		154		142	
50 PERCENT EXCEEDS	61		62		49	
90 PERCENT EXCEEDS	35		32		28	

e Estimated

04095090 BURNS DITCH AT PORTAGE, IN

LOCATION.--Lat 41°37'53", long 86°10'35", in SE¼NW¼ sec. 25, T.37N., R.7W., Porter County, Hydrologic Unit 04040001, 4,700 ft north of U.S. 12 bridge over Burns Ditch 400 feet south of mouth, 4,000 feet west of Burns Waterway Harbor west shore, and 400 feet east of an industrial access road at an industrial footbridge over Burn's Ditch.

DRAINAGE AREA.--331 mi^2.

PERIOD OF RECORD.--February 2, 1995 to September 30, 1995.

GAGE.--Water-stage recorder and Acoustic Velocity Meter. Datum of gage is 575 ft above sea level from topographic map.

REMARKS.--Record fair except for discharge below 500 ft^3/s, which are poor, and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e350	e790	e500	e480	e420	635	443	642	647	e420	449	401
2	e385	e690	e490	e500	367	507	468	579	593	e430	446	422
3	e382	e616	e500	e415	364	456	436	603	836	446	564	381
4	e380	e537	e480	e425	345	415	438	522	669	526	727	402
5	e380	e600	e380	e440	438	378	371	533	608	506	663	415
6	e380	e650	e370	e350	343	423	411	458	572	457	524	459
7	e400	e560	e800	e400	270	737	360	409	622	448	517	329
8	e390	e500	e720	e450	334	e1400	346	539	715	385	490	378
9	e375	e460	e620	e430	302	1200	662	505	677	363	546	326
10	e370	e510	e520	e400	277	912	1410	e820	592	371	517	300
11	e332	e540	e470	e355	262	758	2080	e720	472	424	479	386
12	e335	e500	e460	e475	229	656	2630	e610	477	464	401	398
13	e340	e480	e450	e600	225	605	2520	e660	505	509	430	423
14	e345	e450	e440	e800	274	580	1860	e660	452	422	448	426
15	e380	e400	e435	e1000	281	504	1320	e600	473	469	e530	465
16	e440	e410	e425	e850	375	464	1030	e660	444	655	e610	428
17	e430	e520	e550	e700	341	518	882	e600	442	492	e700	434
18	e420	e500	e538	e580	393	547	851	e640	347	419	e800	394
19	e430	e465	e500	e520	389	510	826	e560	415	451	e660	389
20	e438	e430	e525	e590	360	504	703	e520	390	445	e480	327
21	e368	e420	e485	e660	383	534	825	e620	431	407	e480	353
22	e370	e440	e480	e600	349	372	761	e520	488	399	e400	399
23	e380	e438	e470	e610	352	473	661	e880	450	355	e390	399
24	e330	e400	e500	e450	368	502	595	e900	450	438	e350	417
25	e300	e380	e478	e350	333	496	551	e960	392	479	e350	417
26	e300	e410	e500	e440	312	444	551	1000	409	423	e430	370
27	e300	e400	e490	e460	616	573	591	856	486	458	e440	396
28	e300	e700	e450	e500	824	594	588	817	e495	454	e450	432
29	e340	e620	e400	e430	---	564	582	838	e480	427	e490	442
30	e300	e540	e425	e425	---	488	638	734	e480	408	e470	436
31	e450	---	e455	e540	---	423	---	633	---	413	429	---
TOTAL	11420	15356	15306	16225	10126	18172	26390	20598	15509	13763	15660	11944
MEAN	368	512	494	523	362	586	880	664	517	444	505	398
MAX	450	790	800	1000	824	1400	2630	1000	836	655	800	465
MIN	300	380	370	350	225	372	346	409	347	355	350	300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1995, BY WATER YEAR (WY)

MEAN	368	512	494	523	362	586	880	664	517	444	505	398
MAX	368	512	494	523	362	586	880	664	517	444	505	398
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	368	512	494	523	362	586	880	664	517	444	505	398
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 WATER YEAR	
ANNUAL TOTAL	190469	
ANNUAL MEAN	522	
HIGHEST DAILY MEAN	2630	Apr 12
LOWEST DAILY MEAN	225	Feb 13
ANNUAL SEVEN-DAY MINIMUM	264	Feb 9
INSTANTANEOUS PEAK FLOW	2970	Apr 12
INSTANTANEOUS PEAK STAGE	a6.20	Sep 7
10 PERCENT EXCEEDS	720	
50 PERCENT EXCEEDS	458	
90 PERCENT EXCEEDS	350	

e Estimated
a Backwater

04095380 TRAIL CREEK AT MICHIGAN CITY HARBOR, IN

LOCATION.--Lat 41°43'22", long 86°54'15", sec. 29, T.38 N., R.4 W., LaPorte County, Hydrologic Unit 04040001, 1/2 mi southwest of Washington Park, 2,600 ft southeast of lake end of west breakwater, 2000 ft north of Michigan Street, 3000 ft downstream of U.S, Hwy 12 bridge.

DRAINAGE AREA.--59.1 mi^2.

PERIOD OF RECORD.--October 1994 to September 1995.

GAGE.--Water-stage recorder and Acoustic Velocity Meter. Datum of gage is 575 ft above sea level from topographic map.

REMARKS.--Records fair except for the period of Feb. 5-15, which are poor, and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	295	159	170	128	204	136	158	e108	146	118	106
2	138	217	172	173	140	211	150	157	e130	125	121	102
3	134	163	166	133	150	172	156	146	e160	113	165	91
4	140	151	153	150	186	127	142	151	e140	138	154	77
5	142	182	82	151	213	107	146	149	e120	177	121	64
6	129	271	131	104	153	145	106	141	e100	154	140	100
7	143	206	327	143	140	290	129	112	e97	133	106	108
8	129	156	226	156	139	306	96	99	e97	132	83	97
9	123	164	176	138	153	205	265	145	e94	126	107	120
10	125	200	169	115	136	205	236	205	e92	122	110	92
11	109	183	169	114	142	216	239	185	e94	113	122	88
12	96	161	154	204	141	182	438	165	e95	119	126	76
13	99	168	160	207	141	178	270	145	97	128	141	99
14	100	136	151	424	149	141	171	163	84	143	146	95
15	122	138	134	299	156	136	130	165	104	153	156	107
16	152	149	175	221	124	119	153	144	150	241	169	105
17	139	195	195	181	111	132	144	168	144	152	183	124
18	144	168	172	164	108	143	139	147	139	103	208	113
19	142	151	177	177	138	141	145	156	141	113	136	103
20	154	134	182	248	163	121	170	142	116	114	120	89
21	119	149	157	201	183	145	189	128	139	81	121	111
22	112	152	158	195	150	139	158	157	117	112	101	144
23	131	140	161	210	165	97	148	128	136	107	97	77
24	108	116	174	96	167	124	150	219	132	112	89	59
25	98	140	150	115	137	122	149	e190	122	90	88	66
26	94	134	175	152	142	111	137	e170	126	90	110	86
27	102	158	163	155	261	99	175	e138	115	114	114	95
28	103	262	152	175	212	185	156	e170	165	104	116	88
29	117	190	120	140	---	156	129	e145	157	99	127	109
30	77	170	151	144	---	145	160	e127	135	102	112	122
31	143	---	160	187	---	153	---	e120	---	105	86	---
TOTAL	3767	5199	5151	5442	4328	4957	5112	4735	3646	3861	3893	2913
MEAN	122	173	166	176	155	160	170	153	122	125	126	97.1
MAX	154	295	327	424	261	306	438	219	165	241	208	144
MIN	77	116	82	96	108	97	96	99	84	81	83	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

MEAN	122	173	166	176	155	160	170	153	122	125	126	97.1
MAX	122	173	166	176	155	160	170	153	122	125	126	97.1
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	122	173	166	176	155	160	170	153	122	125	126	97.1
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 WATER YEAR		WATER YEARS 1994 - 1995	
ANNUAL TOTAL	53004			
ANNUAL MEAN	145		145	
HIGHEST ANNUAL MEAN			145	1995
LOWEST ANNUAL MEAN			145	1995
HIGHEST DAILY MEAN	438	Apr 12	438	Apr 12 1995
LOWEST DAILY MEAN	59	Sep 24	59	Sep 24 1995
ANNUAL SEVEN-DAY MINIMUM	83	Sep 23	83	Sep 23 1995
INSTANTANEOUS PEAK FLOW	2740	Apr 11	2740	Apr 11 1995
INSTANTANEOUS PEAK STAGE	a7.88	Jan 20	7.88	Jan 20 1995
10 PERCENT EXCEEDS	195		195	
50 PERCENT EXCEEDS	141		141	
90 PERCENT EXCEEDS	97		97	

e Estimated
a Backwater

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 mi², of which 2.30 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1969 to current year.
REVISED RECORDS.--WDR IN-80-1: 1970, 1971(P), 1972, 1973, 1974(P), 1975 (M), 1976 (P), and 1978 (P).
GAGE.--Water-stage recorder. Datum of gage is 625.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum instantaneous gage height may have occurred Nov. 28, 1990 during period of no gage height record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	107	28	24	24	29	20	31	20	22	14	13
2	12	51	28	e22	28	23	23	27	24	22	15	13
3	11	36	28	e20	e26	21	24	25	41	19	47	13
4	13	39	27	e18	e24	20	24	26	27	24	38	12
5	15	50	25	e17	e23	23	20	26	23	28	27	12
6	13	100	26	e17	e22	26	20	24	21	22	23	11
7	12	49	108	e18	e21	82	23	22	21	19	20	14
8	13	39	59	e18	e20	64	22	21	21	19	18	15
9	22	54	53	e19	e19	40	60	24	20	18	18	14
10	15	60	42	e19	e20	37	83	40	21	17	19	13
11	14	38	34	e20	e18	38	66	29	21	17	19	12
12	13	33	30	45	e17	34	86	25	19	16	18	11
13	13	30	27	51	e16	28	47	24	18	15	15	11
14	13	35	25	137	e15	27	35	24	17	15	15	11
15	13	31	25	80	e16	25	32	21	18	17	18	10
16	13	29	28	43	e17	23	30	20	16	51	22	12
17	17	27	39	34	e18	23	30	23	16	33	32	11
18	15	27	32	29	21	22	32	23	15	22	39	10
19	22	27	28	40	28	22	29	22	15	19	24	10
20	17	27	26	50	34	22	28	19	14	20	25	10
21	16	27	26	33	31	21	35	18	14	21	20	11
22	17	25	25	e28	26	20	30	17	14	19	18	19
23	17	24	24	e26	29	21	27	19	13	21	16	19
24	16	24	24	e25	28	21	29	49	14	18	15	15
25	19	23	24	e24	24	19	27	49	14	19	15	13
26	21	23	24	e23	24	19	26	32	17	17	14	12
27	20	45	23	e22	68	25	30	26	25	16	13	11
28	18	71	23	e22	46	29	27	38	37	17	14	11
29	16	38	22	e21	---	25	25	29	43	16	14	9.8
30	16	32	21	e20	---	22	33	24	25	16	13	9.8
31	30	---	22	22	---	21	---	23	---	15	12	---
TOTAL	494	1221	976	987	703	872	1023	820	624	630	630	368.6
MEAN	15.9	40.7	31.5	31.8	25.1	28.1	34.1	26.5	20.8	20.3	20.3	12.3
MAX	30	107	108	137	68	82	86	49	43	51	47	19
MIN	11	23	21	17	15	19	20	17	13	15	12	9.8
CFSM	.93	2.37	1.83	1.85	1.46	1.64	1.98	1.54	1.21	1.18	1.18	.71
IN.	1.07	2.64	2.11	2.13	1.52	1.89	2.21	1.77	1.35	1.36	1.36	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	23.1	30.6	31.2	26.8	30.4	38.1	34.5	26.5	23.4	16.5	15.5	17.1
MAX	43.8	64.4	51.8	46.6	51.6	70.1	56.0	45.2	69.7	29.8	26.3	32.6
(WY)	1991	1991	1973	1993	1985	1982	1970	1981	1993	1993	1990	1993
MIN	14.8	16.8	15.6	15.0	19.2	19.4	18.2	15.5	12.3	10.3	9.71	10.4
(WY)	1990	1981	1990	1976	1980	1981	1971	1992	1971	1988	1970	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	9124.7		9348.6			
ANNUAL MEAN	25.0		25.6		26.1	
HIGHEST ANNUAL MEAN					35.4	1993
LOWEST ANNUAL MEAN					21.0	1977
HIGHEST DAILY MEAN	148	Aug 19	137	Jan 14	650	Nov 28 1990
LOWEST DAILY MEAN	8.8	Sep 22	9.8	Sep 29	6.7	Sep 13 1973
ANNUAL SEVEN-DAY MINIMUM	9.1	Sep 17	11	Sep 14	7.6	Aug 27 1970
INSTANTANEOUS PEAK FLOW			172	Jan 14	900	Nov 28 1990
INSTANTANEOUS PEAK STAGE			4.63	Jan 14	7.04	Jun 8 1993
ANNUAL RUNOFF (CFSM)	1.45		1.49		1.52	
ANNUAL RUNOFF (INCHES)	19.73		20.22		20.63	
10 PERCENT EXCEEDS	38		40		42	
50 PERCENT EXCEEDS	21		22		21	
90 PERCENT EXCEEDS	13		13		12	

e Estimated

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 mi², of which 22.5 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1945 to current year. 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.
REVISED RECORDS.--WSP 1144: 1948. WSP 2111: Drainage area. WDR IN 92-1: 1991.
GAGE.--Water-stage recorder. Datum of gage is 940.00 ft above sea level. Prior to October 1947, nonrecording gage at site 0.3 mi downstream at different datum. Oct. 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, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	23	41	70	66	60	82	195	165	28	49
2	17	16	23	41	67	67	59	80	169	160	29	46
3	16	16	23	41	65	66	58	79	147	144	39	43
4	16	17	23	40	62	62	55	76	129	125	47	40
5	16	18	24	38	59	60	54	76	115	109	52	38
6	16	19	25	e37	e56	58	53	75	104	95	52	36
7	15	20	32	e36	e54	66	51	74	94	83	50	35
8	15	20	46	e35	e52	111	52	72	88	73	47	38
9	15	22	69	e34	e50	175	66	71	82	66	44	38
10	15	23	86	e34	e48	214	139	72	77	60	41	37
11	15	23	91	34	e45	218	233	85	72	55	38	35
12	15	23	88	34	e43	202	294	103	67	51	37	34
13	15	24	80	38	e42	185	311	109	63	48	40	33
14	15	23	71	47	e40	171	297	107	59	e44	39	31
15	15	23	64	59	e39	158	265	99	56	e41	37	30
16	14	22	59	72	e39	146	226	90	53	e39	41	29
17	14	22	58	79	39	133	193	83	50	e38	50	28
18	14	21	59	81	39	122	171	78	47	e37	116	28
19	15	20	64	79	39	111	156	74	45	e36	190	27
20	15	19	68	85	41	103	146	71	43	e35	213	27
21	15	19	68	107	43	98	135	68	41	34	199	27
22	15	18	65	134	48	94	125	65	39	33	173	28
23	15	18	61	144	51	90	119	62	37	32	148	28
24	15	18	57	141	53	85	112	81	38	32	126	28
25	15	17	54	127	57	80	105	130	43	32	108	27
26	14	17	51	114	59	77	99	184	48	32	92	27
27	14	19	49	102	61	72	94	219	56	32	80	26
28	14	20	46	93	63	70	89	235	78	32	70	25
29	14	21	44	85	---	66	85	244	114	31	62	25
30	14	22	43	79	---	64	83	241	150	30	57	25
31	14	---	41	74	---	62	---	222	---	29	53	---
TOTAL	464	595	1655	2185	1424	3352	3985	3407	2399	1853	2398	968
MEAN	15.0	19.8	53.4	70.5	50.9	108	133	110	80.0	59.8	77.4	32.3
MAX	17	24	91	144	70	218	311	244	195	165	213	49
MIN	14	15	23	34	39	58	51	62	37	29	28	25
CFSM	.14	.19	.50	.66	.48	1.02	1.25	1.04	.75	.56	.73	.30
IN.	.16	.21	.58	.77	.50	1.18	1.40	1.20	.84	.65	.84	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1995, BY WATER YEAR (WY)

MEAN	34.4	52.6	75.7	92.5	105	159	165	109	74.4	49.5	35.8	31.4
MAX	154	195	195	385	257	437	491	383	263	164	126	119
(WY)	1955	1993	1968	1993	1959	1982	1950	1956	1981	1981	1981	1981
MIN	4.12	4.51	7.20	7.95	8.55	20.4	48.1	29.8	21.6	10.8	8.12	5.83
(WY)	1965	1965	1964	1964	1963	1964	1946	1963	1988	1963	1964	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1946 - 1995	
ANNUAL TOTAL	22351		24685			
ANNUAL MEAN	61.2		67.6		81.9	
HIGHEST ANNUAL MEAN					151	1950
LOWEST ANNUAL MEAN					19.5	1964
HIGHEST DAILY MEAN	342	Apr 15	311	Apr 13	794	Mar 22 1982
LOWEST DAILY MEAN	14	Oct 16	14	Oct 16	3.4	Oct 25 1964
ANNUAL SEVEN-DAY MINIMUM	14	Oct 25	14	Oct 25	3.5	Oct 22 1964
INSTANTANEOUS PEAK FLOW			314	Apr 13	795	Mar 22 1982
INSTANTANEOUS PEAK STAGE			7.78	Apr 13	13.90	Mar 22 1982
ANNUAL RUNOFF (CFSM)	.58		.64		.77	
ANNUAL RUNOFF (INCHES)	7.84		8.66		10.50	
10 PERCENT EXCEEDS	130		144		186	
50 PERCENT EXCEEDS	37		52		53	
90 PERCENT EXCEEDS	16		17		16	

e Estimated

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 mi² of which 53.9 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--June 1968 to current year.
REVISED RECORDS.--WSP 2111: Drainage area. WDR IN-92-1: 1991.
GAGE.--Water-stage recorder. Datum of gage is 815.00 ft above sea level.
REMARKS.--Records good except for May 24 - Sept. 14, which are fair, and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	145	182	212	313	272	267	347	512	417	138	200
2	102	160	175	210	303	258	262	337	490	408	158	194
3	98	144	171	e210	293	254	262	324	467	389	253	183
4	96	144	171	e206	285	248	260	320	434	373	389	178
5	95	156	177	e202	e280	245	252	336	398	370	385	173
6	95	212	182	e200	e275	248	247	331	364	336	308	168
7	94	207	260	e200	e270	306	243	318	326	301	279	165
8	93	174	353	e199	e260	486	249	306	306	272	272	175
9	114	180	315	e199	e257	476	320	304	302	254	265	180
10	115	213	306	e198	e250	469	487	308	308	225	254	175
11	107	210	299	e197	e246	489	556	327	316	184	241	169
12	103	177	292	e200	e240	518	607	320	295	203	225	165
13	102	174	283	287	e233	540	674	317	274	191	210	162
14	102	172	271	306	e229	508	698	326	242	182	200	158
15	101	171	257	321	e222	482	693	323	236	181	196	154
16	100	167	248	306	e219	457	681	311	232	209	247	152
17	99	165	267	296	e218	432	623	302	222	215	326	150
18	97	162	274	296	e216	398	580	301	216	201	343	148
19	102	157	263	317	216	386	567	303	209	183	384	145
20	106	155	252	395	219	374	519	281	200	173	392	147
21	108	158	246	450	222	364	490	262	194	173	433	154
22	108	154	244	457	221	349	451	248	185	166	420	164
23	103	152	241	e440	224	326	432	240	175	169	396	158
24	101	150	235	e420	231	304	411	316	177	172	368	153
25	103	147	229	e400	235	302	380	514	193	163	326	150
26	104	144	223	e385	233	298	374	509	206	154	304	148
27	104	152	219	e370	248	291	370	494	260	162	283	146
28	105	230	214	e360	271	295	361	521	290	159	258	142
29	104	229	209	e350	---	291	336	591	312	158	238	142
30	103	200	203	348	---	283	332	538	361	145	206	138
31	105	---	200	325	---	274	---	528	---	144	198	---
TOTAL	3170	5161	7461	9262	6929	11223	12984	11103	8702	7032	8895	4836
MEAN	102	172	241	299	247	362	433	358	290	227	287	161
MAX	115	230	353	457	313	540	698	591	512	417	433	200
MIN	93	144	171	197	216	245	243	240	175	144	138	138
CFSM	.28	.48	.67	.83	.69	1.00	1.20	.99	.80	.63	.79	.45
IN.	.33	.53	.77	.95	.71	1.16	1.34	1.14	.90	.72	.92	.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	227	304	377	397	428	602	603	442	369	264	213	203
MAX	575	684	719	1169	836	1389	1089	811	1103	654	516	538
(WY)	1987	1993	1983	1993	1969	1982	1978	1983	1981	1981	1981	1981
MIN	96.3	96.7	157	173	143	311	324	233	132	104	92.5	85.8
(WY)	1972	1972	1972	1977	1972	1970	1971	1971	1988	1988	1988	1971

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	94164		96758			
ANNUAL MEAN	258		265		367	
HIGHEST ANNUAL MEAN					545	1993
LOWEST ANNUAL MEAN					207	1972
HIGHEST DAILY MEAN	793	Apr 17	698	Apr 14	2340	Mar 21 1982
LOWEST DAILY MEAN	93	Oct 8	93	Oct 8	42	Oct 21 1971
ANNUAL SEVEN-DAY MINIMUM	96	Oct 2	96	Oct 2	69	Aug 27 1971
INSTANTANEOUS PEAK FLOW			703	Apr 14	2370	Mar 21 1982
INSTANTANEOUS PEAK STAGE			a4.77	Feb 9	7.85	Mar 21 1982
ANNUAL RUNOFF (CFSM)	.71		.73		1.02	
ANNUAL RUNOFF (INCHES)	9.70		9.97		13.82	
10 PERCENT EXCEEDS	511		433		680	
50 PERCENT EXCEEDS	200		246		296	
90 PERCENT EXCEEDS	103		144		146	

e Estimated
a Ice jam

04099800 LITTLE ELKHART RIVER AT MIDDLEBURY, IN

LOCATION.--Lat 41°40'31", long 85°42'01", in NE1/4SE1/4 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 mi², of which 5.89 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1979 to current year.
REVISED RECORDS.--WDR IN-82-1: 1980, 1981. WDR IN-92-1: 1991.
GAGE.--Water-stage recorder. Datum of gage is 810.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	49	64	64	80	82	68	78	73	123	51	51
2	36	43	61	e60	80	75	68	73	71	106	55	50
3	35	40	59	e56	79	71	68	70	69	97	124	49
4	35	41	57	e54	78	69	67	71	66	93	118	49
5	35	44	58	e52	e74	69	66	72	63	93	98	48
6	34	53	58	e51	e72	70	65	69	61	86	87	47
7	34	48	127	e51	e70	205	63	67	59	79	79	48
8	35	45	119	e50	e68	257	69	66	61	75	74	50
9	38	50	104	e50	e66	147	198	68	58	73	72	49
10	37	54	100	e49	e65	123	255	72	59	70	70	48
11	36	50	91	e52	e64	120	211	80	58	66	67	47
12	35	47	84	67	e62	114	183	69	55	62	64	46
13	35	46	80	93	e61	107	137	66	54	59	62	46
14	34	45	76	107	e60	100	117	65	52	55	61	45
15	35	44	73	99	e60	96	107	62	51	59	70	45
16	35	42	74	88	e61	92	101	60	50	116	99	44
17	35	41	83	82	e62	88	96	60	49	96	97	44
18	35	41	81	80	e66	85	98	62	48	81	95	43
19	37	40	78	96	78	83	95	60	47	73	84	43
20	37	40	74	155	81	83	90	58	46	70	76	44
21	37	42	72	165	79	81	91	56	44	67	71	45
22	37	41	70	e116	75	78	86	54	43	65	66	46
23	37	41	69	e100	76	77	83	54	43	65	63	44
24	37	41	68	e92	76	74	81	173	43	64	61	43
25	37	40	67	e88	72	72	80	163	45	65	59	43
26	36	40	66	e84	70	71	78	114	62	61	57	42
27	37	51	65	e82	82	72	78	97	105	62	56	41
28	37	88	64	e80	95	72	76	99	99	59	56	41
29	37	76	62	e78	---	71	74	93	111	54	54	40
30	36	68	61	e77	---	69	78	84	171	55	53	40
31	38	---	62	e79	---	68	---	78	---	53	52	---
TOTAL	1115	1431	2327	2497	2012	2941	3027	2413	1916	2302	2251	1361
MEAN	36.0	47.7	75.1	80.5	71.9	94.9	101	77.8	63.9	74.3	72.6	45.4
MAX	38	88	127	165	95	257	255	173	171	123	124	51
MIN	34	40	57	49	60	68	63	54	43	53	51	40
CFSM	.37	.49	.77	.83	.74	.97	1.03	.80	.65	.76	.74	.46
IN.	.42	.55	.89	.95	.77	1.12	1.15	.92	.73	.88	.86	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

MEAN	82.3	104	116	114	125	153	138	101	99.9	72.9	58.0	59.9
MAX	172	202	207	307	280	404	210	191	278	189	117	118
(WY)	1991	1986	1991	1993	1985	1982	1985	1983	1993	1981	1981	1981
MIN	36.0	38.6	42.9	53.8	71.9	84.5	93.3	55.3	36.7	37.9	39.9	38.3
(WY)	1995	1981	1990	1981	1995	1981	1986	1988	1988	1988	1987	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1980 - 1995	
ANNUAL TOTAL	25269		25593			
ANNUAL MEAN	69.2		70.1		102	
HIGHEST ANNUAL MEAN					155	1993
LOWEST ANNUAL MEAN					70.1	1995
HIGHEST DAILY MEAN	477	Jan 28	257	Mar 8	2040	Feb 24 1985
LOWEST DAILY MEAN	33	Aug 6	34	Oct 6	24	Jul 9 1988
ANNUAL SEVEN-DAY MINIMUM	35	Oct 2	35	Oct 2	26	Jul 3 1988
INSTANTANEOUS PEAK FLOW			399	Mar 7	2470	Feb 24 1985
INSTANTANEOUS PEAK STAGE			6.65	Mar 7	10.52	Feb 24 1985
ANNUAL RUNOFF (CFSM)	.71		.72		1.04	
ANNUAL RUNOFF (INCHES)	9.63		9.75		14.18	
10 PERCENT EXCEEDS	109		99		171	
50 PERCENT EXCEEDS	55		66		80	
90 PERCENT EXCEEDS	37		40		44	

e Estimated

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 of Elkhart.
DRAINAGE AREA.--31.0 mi², of which 8.75 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1979 to current year.
GAGE.--Water-stage recorder. Datum of gage is 755.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	9.4	7.4	12	e11	13	11	9.5	14	26	6.5	7.8
2	7.7	8.2	7.2	11	e10	12	11	9.0	14	24	6.0	7.6
3	7.4	7.3	7.2	11	e10	11	11	8.5	14	22	70	7.4
4	7.4	7.1	7.0	9.9	e9.9	11	11	8.7	14	22	59	7.2
5	7.5	8.2	7.2	9.9	e9.8	11	11	9.1	14	21	27	7.0
6	7.4	12	7.3	9.9	e9.7	11	11	8.8	14	20	20	6.8
7	7.2	9.4	32	e9.8	e9.6	45	10	8.5	15	18	16	7.3
8	7.1	8.2	24	e9.8	e9.5	37	11	8.4	15	18	15	7.8
9	8.2	8.8	18	e9.8	e9.4	21	43	9.3	15	17	14	7.4
10	7.5	11	18	e9.8	e9.3	19	52	9.5	18	17	14	7.1
11	7.1	9.3	16	10	e9.2	19	34	9.3	17	16	13	7.0
12	6.9	8.5	14	11	e9.1	18	27	8.8	17	15	12	6.8
13	6.8	8.0	14	15	e9.0	16	19	8.8	17	14	12	6.6
14	6.7	7.9	13	22	e8.9	15	14	9.7	17	14	11	6.4
15	6.7	7.7	13	19	e9.2	14	12	9.0	18	14	11	6.3
16	6.8	7.5	13	15	e9.4	14	11	8.9	18	18	13	6.3
17	6.6	7.4	15	14	e9.6	13	11	9.1	19	15	15	6.2
18	6.3	7.4	15	13	10	13	11	9.7	19	14	12	6.1
19	6.8	7.2	14	20	11	13	11	9.5	20	13	11	6.0
20	6.7	7.1	13	30	12	12	10	9.1	21	12	11	6.2
21	6.4	7.1	13	27	12	12	11	9.1	21	13	10	6.6
22	6.4	6.9	12	19	11	12	9.8	9.0	22	13	9.8	6.8
23	6.3	6.6	12	17	11	12	9.4	9.5	22	13	9.5	6.5
24	6.2	6.6	12	16	11	11	9.2	30	22	13	9.3	6.4
25	6.1	6.6	12	15	11	11	9.1	28	22	12	9.1	6.3
26	6.0	6.6	12	14	11	11	8.9	18	30	11	8.9	6.1
27	6.0	7.3	12	e13	13	11	9.1	15	44	11	8.7	6.0
28	5.9	10	12	e13	15	12	8.9	19	39	9.8	8.5	5.9
29	5.9	8.4	11	e12	---	12	8.5	17	42	8.9	8.5	5.8
30	5.7	7.7	11	e12	---	11	9.3	15	30	8.2	8.3	5.7
31	6.0	---	11	e11	---	11	---	14	---	7.3	8.0	---
TOTAL	209.3	241.4	405.3	440.9	290.6	464	435.2	364.8	624	470.2	467.1	199.4
MEAN	6.75	8.05	13.1	14.2	10.4	15.0	14.5	11.8	20.8	15.2	15.1	6.65
MAX	8.2	12	32	30	15	45	52	30	44	26	70	7.8
MIN	5.7	6.6	7.0	9.8	8.9	11	8.5	8.4	14	7.3	6.0	5.7
CFSM	.22	.26	.42	.46	.33	.48	.47	.38	.67	.49	.49	.21
IN.	.25	.29	.49	.53	.35	.56	.52	.44	.75	.56	.56	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

MEAN	16.3	18.5	21.8	20.0	22.4	27.8	26.3	20.6	21.3	16.0	12.7	12.9
MAX	42.4	32.8	52.7	45.6	47.6	82.3	40.0	40.6	68.1	39.2	25.5	23.7
(WY)	1991	1986	1991	1993	1985	1982	1993	1983	1993	1981	1981	1981
MIN	6.75	7.39	6.93	8.23	10.4	14.4	14.5	11.8	7.79	6.58	6.75	6.34
(WY)	1995	1981	1990	1981	1995	1981	1995	1995	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1980 - 1995	
ANNUAL TOTAL	5069.6		4612.2			
ANNUAL MEAN	13.9		12.6		19.7	
HIGHEST ANNUAL MEAN					30.1	1993
LOWEST ANNUAL MEAN					12.6	1995
HIGHEST DAILY MEAN	85	Feb 20	70	Aug 3	532	Dec 30 1990
LOWEST DAILY MEAN	5.7	Oct 30	5.7	Oct 30	3.8	Jul 26 1980
ANNUAL SEVEN-DAY MINIMUM	5.9	Oct 25	5.9	Oct 25	4.7	Jul 3 1988
INSTANTANEOUS PEAK FLOW			110	Aug 3	607	Dec 30 1990
INSTANTANEOUS PEAK STAGE			4.49	Aug 3	9.74	Jul 26 1981
ANNUAL RUNOFF (CFSM)	.45		.41		.64	
ANNUAL RUNOFF (INCHES)	6.08		5.53		8.63	
10 PERCENT EXCEEDS	22		20		32	
50 PERCENT EXCEEDS	11		11		16	
90 PERCENT EXCEEDS	7.1		6.7		8.0	

e Estimated

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^2.
PERIOD OF RECORD.--October 1971 to current year.
GAGE.--Water-stage recorder. Datum of gage is 880.12 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated at times by dam at Waldron Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	30	46	59	129	86	102	187	236	219	66	60
2	13	36	44	e53	124	86	98	180	222	225	72	55
3	12	38	43	e51	119	85	93	172	208	223	101	52
4	10	41	42	e50	112	82	87	166	195	216	142	50
5	9.7	44	44	e49	e104	82	92	161	184	207	149	47
6	9.9	54	46	e48	e96	82	100	156	172	194	147	44
7	8.7	63	74	e48	e90	126	106	149	160	183	141	44
8	31	67	95	e47	e84	178	111	142	153	172	134	58
9	77	75	103	e46	e78	194	148	137	145	161	128	60
10	60	80	106	e45	e74	198	220	134	140	149	123	56
11	46	81	103	e46	e70	198	269	137	135	137	118	52
12	37	78	101	e50	e66	200	300	140	129	122	112	42
13	30	74	96	72	e64	201	313	140	122	107	107	32
14	26	71	91	97	e60	200	320	136	116	96	101	26
15	23	67	86	108	e58	197	320	134	111	100	101	23
16	21	63	84	110	e58	192	313	129	101	141	113	21
17	20	59	87	109	e59	188	303	126	68	132	111	19
18	19	52	88	109	60	183	298	125	68	113	142	17
19	20	48	88	118	61	177	290	122	67	96	140	17
20	21	46	86	147	62	171	285	118	64	83	138	19
21	22	44	82	174	63	165	275	113	59	77	134	20
22	22	40	78	182	65	160	266	109	54	71	123	22
23	26	37	75	186	65	153	256	104	49	69	110	21
24	30	37	73	185	67	144	243	149	47	73	101	20
25	27	35	70	179	69	135	231	195	45	86	94	19
26	25	34	68	e170	69	128	221	215	53	91	86	18
27	24	38	65	e162	74	122	211	223	112	119	80	16
28	22	44	62	e153	83	119	201	239	158	108	75	16
29	20	47	61	e148	---	116	193	251	184	93	71	17
30	19	47	58	e140	---	111	190	255	204	81	69	17
31	21	---	57	134	---	107	---	248	---	72	65	---
TOTAL	766.3	1570	2302	3275	2183	4566	6455	4992	3761	4016	3394	980
MEAN	24.7	52.3	74.3	106	78.0	147	215	161	125	130	109	32.7
MAX	77	81	106	186	129	201	320	255	236	225	149	60
MIN	8.7	30	42	45	58	82	87	104	45	69	65	16
CFSM	.17	.37	.52	.74	.55	1.04	1.52	1.13	.88	.91	.77	.23
IN.	.20	.41	.60	.86	.57	1.20	1.69	1.31	.99	1.05	.89	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

MEAN	86.5	122	149	160	154	260	247	166	138	85.7	60.6	65.4
MAX	272	314	341	542	272	553	530	324	400	211	130	161
(WY)	1987	1973	1986	1993	1990	1985	1985	1981	1981	1981	1981	1972
MIN	17.8	17.8	46.5	42.2	43.2	118	133	67.2	18.1	16.4	18.3	13.9
(WY)	1975	1972	1972	1977	1972	1989	1987	1988	1988	1988	1978	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1972 - 1995	
ANNUAL TOTAL	30396.4		38260.3			
ANNUAL MEAN	83.3		105		141	
HIGHEST ANNUAL MEAN					222	1993
LOWEST ANNUAL MEAN					85.7	1972
HIGHEST DAILY MEAN	323	Apr 15	320	Apr 14	916	Mar 22 1982
LOWEST DAILY MEAN	8.7	Oct 7	8.7	Oct 7	2.2	Jul 7 1988
ANNUAL SEVEN-DAY MINIMUM	10	Sep 18	11	Oct 1	2.8	Jul 3 1988
INSTANTANEOUS PEAK FLOW			321	Apr 14	919	Mar 23 1982
INSTANTANEOUS PEAK STAGE			5.31	Apr 14	8.12	Mar 23 1982
ANNUAL RUNOFF (CFSM)	.59		.74		.99	
ANNUAL RUNOFF (INCHES)	7.96		10.02		13.49	
10 PERCENT EXCEEDS	209		200		297	
50 PERCENT EXCEEDS	47		90		111	
90 PERCENT EXCEEDS	16		25		31	

e Estimated

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 mi².
PERIOD OF RECORD.--June 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 889.00 ft above sea level (Indiana Department of Highways bench mark).
REMARKS.--Records fair except for estimated daily discharges, which are poor. Occasional regulation at Miller Lake Outlet.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55	.24	1.0	1.1	11	12	8.7	e18	38	57	2.0	1.6
2	.48	.24	1.0	1.0	10	12	8.6	e17	32	47	1.9	1.6
3	.51	.24	1.2	.97	9.8	12	9.0	e17	28	38	2.2	1.6
4	.41	.24	1.2	.86	9.5	12	9.7	e16	25	31	2.5	1.5
5	.37	.22	1.2	.72	9.2	11	9.0	16	22	25	3.3	1.3
6	.33	.16	1.5	.64	8.7	11	8.4	16	19	19	3.4	1.4
7	.29	.16	3.2	.58	8.2	19	8.1	15	17	16	3.5	1.4
8	.30	.17	4.0	.51	7.7	52	8.8	14	17	15	3.4	1.5
9	.31	.13	5.1	.41	7.3	67	21	14	15	13	3.4	1.4
10	.30	.13	5.9	.37	7.0	59	86	14	14	12	3.4	1.3
11	.28	.11	5.8	.37	6.7	48	132	14	13	9.6	3.5	1.2
12	.23	.10	5.6	.44	6.3	40	128	16	13	8.1	3.4	1.2
13	.19	.10	4.8	.95	5.8	34	106	20	12	7.0	2.8	1.2
14	.19	.14	4.1	2.0	5.3	29	85	20	11	5.8	2.4	1.2
15	.21	.17	3.7	3.4	5.0	25	70	19	10	5.2	2.5	1.2
16	.23	.19	3.4	5.0	4.8	22	58	18	9.9	5.8	2.4	1.2
17	.23	.16	3.4	6.3	4.7	20	49	17	8.8	4.9	2.6	1.2
18	.30	.14	3.4	7.3	4.6	18	46	16	8.3	3.8	2.9	1.1
19	.28	.19	3.2	9.0	4.9	17	42	16	7.8	3.0	2.9	.85
20	.29	.22	2.9	16	5.5	15	38	15	7.1	2.8	4.2	.82
21	.34	.24	2.5	36	5.9	14	35	14	6.4	2.6	3.8	.83
22	.26	.36	2.4	48	6.3	13	33	14	5.7	2.3	3.4	.87
23	.27	.36	2.1	42	6.7	13	31	13	5.5	2.2	3.1	.83
24	.31	.35	1.9	34	7.1	12	27	37	4.9	2.2	2.8	.76
25	.35	.39	1.7	25	7.4	12	24	73	4.5	2.1	2.3	.72
26	.36	.27	1.5	20	7.9	11	22	86	5.0	2.1	1.8	.80
27	.31	.24	1.4	17	8.7	11	19	73	9.0	2.1	1.7	.79
28	.28	.38	1.3	15	10	10	18	67	23	2.0	1.7	.80
29	.26	.66	1.2	13	---	9.8	17	64	57	2.0	1.7	.83
30	.28	.89	1.0	12	---	9.4	e18	58	65	2.0	1.6	.58
31	.27	---	1.0	12	---	9.0	---	48	---	1.9	1.6	---
TOTAL	9.57	7.59	83.6	331.92	202.0	659.2	1175.3	875	513.9	352.5	84.1	33.58
MEAN	.31	.25	2.70	10.7	7.21	21.3	39.2	28.2	17.1	11.4	2.71	1.12
MAX	.55	.89	5.9	48	11	67	132	86	65	57	4.2	1.6
MIN	.19	.10	1.0	.37	4.6	9.0	8.1	13	4.5	1.9	1.6	.58
CFSM	.02	.01	.14	.56	.38	1.11	2.04	1.47	.89	.59	.14	.06
IN.	.02	.01	.16	.64	.39	1.28	2.28	1.70	1.00	.68	.16	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	8.39	14.7	19.7	17.6	24.7	36.7	34.9	19.0	19.6	9.34	5.07	5.80
MAX	50.6	48.8	52.5	67.1	62.5	111	60.5	41.1	90.7	49.5	36.4	33.4
(WY)	1991	1989	1978	1993	1985	1982	1978	1983	1981	1986	1990	1990
MIN	.31	.25	2.59	1.22	2.96	13.6	9.61	4.70	1.98	.41	.25	.23
(WY)	1995	1995	1977	1977	1979	1989	1971	1988	1988	1971	1971	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	3588.25		4328.26			
ANNUAL MEAN	9.83		11.9		17.9	
HIGHEST ANNUAL MEAN					29.0	1982
LOWEST ANNUAL MEAN					9.49	1979
HIGHEST DAILY MEAN	155	Apr 13	132	Apr 11	431	Feb 25 1985
LOWEST DAILY MEAN	.10	Nov 12	.10	Nov 12	.10	Nov 12 1994
ANNUAL SEVEN-DAY MINIMUM	.13	Nov 8	.13	Nov 8	.13	Nov 8 1994
INSTANTANEOUS PEAK FLOW			136	Apr 11	480	Feb 24 1985
INSTANTANEOUS PEAK STAGE			4.62	Apr 11	7.03	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.51		.62		.93	
ANNUAL RUNOFF (INCHES)	6.95		8.39		12.67	
10 PERCENT EXCEEDS	26		33		45	
50 PERCENT EXCEEDS	2.9		4.9		9.1	
90 PERCENT EXCEEDS	.28		.28		.83	

e Estimated

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 East, 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 mi².
PERIOD OF RECORD.--November 1979 to current year.
GAGE.--Water-stage recorder. Datum of gage is 934.49 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.29	.32	1.1	3.6	6.9	3.6	11	12	27	.59	.25
2	.10	.21	.30	1.7	3.8	8.7	3.5	9.0	11	18	.63	.24
3	.09	.17	.29	1.4	e3.4	6.1	3.5	7.0	12	11	1.2	.24
4	.09	.15	.28	e1.1	e3.0	4.1	3.5	6.6	9.4	6.6	1.7	.24
5	.09	.19	.36	e.86	e2.7	3.1	3.1	7.2	7.6	5.3	1.6	.22
6	.09	.26	.47	e.72	e2.5	3.3	3.1	6.1	6.3	4.2	1.1	.22
7	.09	.19	27	e.71	e2.3	74	2.9	5.3	5.5	3.2	.85	.40
8	.11	.14	15	e.70	e2.1	54	7.1	4.8	5.6	2.6	.71	.75
9	.16	.28	7.0	e.69	e2.0	24	85	5.1	4.6	2.3	.66	.42
10	.12	.71	7.1	e.70	e2.0	17	138	9.6	5.0	2.1	.64	.32
11	.10	.46	4.2	e.98	e1.8	16	102	19	4.6	1.7	.59	.29
12	.10	.35	2.5	9.6	e1.7	16	73	11	3.7	1.4	.54	.27
13	.10	.30	1.7	13	e1.6	15	44	8.3	2.9	1.2	.49	.29
14	.12	.28	1.3	13	e1.6	12	30	6.9	2.5	1.1	.45	.28
15	.12	.26	1.0	11	e1.7	11	22	5.3	2.1	1.2	.42	.26
16	.14	.24	1.2	6.6	e2.5	9.2	18	4.8	2.4	2.1	.42	.26
17	.16	.24	4.2	4.4	e4.0	7.6	15	4.7	2.0	1.4	.46	.26
18	.20	.24	4.2	4.4	8.2	6.5	19	4.3	1.7	1.1	.65	.26
19	.36	.23	2.8	16	11	6.0	18	3.8	1.5	.95	.55	.26
20	.29	.22	2.1	58	7.2	5.8	15	3.2	1.4	.89	.46	.28
21	.26	.24	1.7	37	6.1	5.9	16	2.8	1.2	.86	.40	.30
22	.24	.24	1.4	19	3.8	5.4	14	2.5	1.2	.81	.34	.35
23	.24	.21	1.2	13	4.4	4.9	12	2.4	1.1	.79	.31	.32
24	.24	.22	1.1	10	5.2	4.4	10	143	1.1	.79	.31	.31
25	.22	.24	.97	e7.6	4.1	3.9	9.4	78	1.2	.88	.29	.30
26	.21	.22	.86	e6.2	3.5	3.6	8.2	42	18	.83	.29	.29
27	.20	.31	.83	e5.2	5.3	3.7	8.3	24	78	.88	.27	.29
28	.19	.66	.80	e4.4	10	4.1	7.2	61	90	.79	.27	.28
29	.18	.55	.69	e3.9	---	4.3	6.3	39	85	.71	.27	.28
30	.17	.38	.74	e3.4	---	4.1	10	22	45	.65	.27	.31
31	.18	---	.77	e3.5	---	3.9	---	15	---	.61	.26	---
TOTAL	5.07	8.68	94.38	259.86	111.1	354.5	710.7	574.7	425.6	103.94	17.99	9.04
MEAN	.16	.29	3.04	8.38	3.97	11.4	23.7	18.5	14.2	3.35	.58	.30
MAX	.36	.71	27	58	11	74	138	143	90	27	1.7	.75
MIN	.09	.14	.28	.69	1.6	3.1	2.9	2.4	1.1	.61	.26	.22
CFSM	.02	.03	.28	.78	.37	1.07	2.21	1.73	1.33	.31	.05	.03
IN.	.02	.03	.33	.90	.39	1.23	2.47	2.00	1.48	.36	.06	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1995, BY WATER YEAR (WY)

MEAN	6.44	12.0	13.1	11.5	16.8	21.1	18.9	10.2	9.80	5.57	2.47	2.38
MAX	26.8	34.3	38.7	46.2	44.8	69.9	31.8	24.9	39.1	33.0	16.1	12.7
(WY)	1991	1993	1991	1993	1985	1982	1981	1990	1981	1986	1990	1992
MIN	.16	.29	1.00	2.27	3.97	6.68	5.94	2.05	.72	.38	.22	.16
(WY)	1995	1995	1990	1981	1995	1981	1986	1985	1988	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1981 - 1995	
ANNUAL TOTAL	1982.43		2675.56			
ANNUAL MEAN	5.43		7.33		10.8	
HIGHEST ANNUAL MEAN					15.1	1993
LOWEST ANNUAL MEAN					6.55	1994
HIGHEST DAILY MEAN	169	Apr 12	143	May 24	349	Jul 16 1986
LOWEST DAILY MEAN	.09	Oct 3	.09	Oct 3	.09	Oct 3 1994
ANNUAL SEVEN-DAY MINIMUM	.09	Oct 1	.09	Oct 1	.09	Oct 1 1994
INSTANTANEOUS PEAK FLOW			219	May 24	418	Jul 16 1986
INSTANTANEOUS PEAK STAGE			9.33	May 24	12.82	Apr 14 1981
ANNUAL RUNOFF (CFSM)	.51		.69		1.01	
ANNUAL RUNOFF (INCHES)	6.89		9.30		13.72	
10 PERCENT EXCEEDS	14		16		24	
50 PERCENT EXCEEDS	.78		1.7		4.4	
90 PERCENT EXCEEDS	.16		.22		.50	

e Estimated

04100377 SOLOMON CREEK NEAR SYRACUSE, IN

LOCATION.--Lat 41°27'30", long 85°43'12", in NW¼SE¼ sec.28, T.35 N., R.7 E., Elkhart County, Hydrologic Unit 04050001, on right bank 40 ft upstream from County Road 52 East bridge over Solomon Creek, and 2.5 mi northeast of Syracuse.
DRAINAGE AREA.--36.1 mi².
PERIOD OF RECORD.--October 1987 to current year.
GAGE.--Water-stage recorder. Datum of gage is 840.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	16	22	30	26	28	37	51	59	19	15
2	13	14	16	21	29	25	28	37	49	50	18	15
3	13	13	15	e20	29	24	27	35	48	45	22	15
4	13	14	15	e20	28	24	27	36	46	41	25	15
5	13	14	15	e19	27	24	27	36	45	39	24	15
6	13	16	15	e19	e26	24	27	35	43	38	24	15
7	13	15	36	e19	e25	47	27	34	42	35	22	15
8	13	15	37	e19	e24	63	28	34	42	33	22	17
9	14	e14	33	e19	e24	49	43	34	40	33	22	16
10	13	e16	32	e19	e24	43	78	36	39	31	22	16
11	13	e16	29	20	e23	40	91	42	39	28	21	16
12	13	16	27	21	e23	40	80	39	37	26	21	15
13	13	15	26	32	e22	39	70	37	36	25	20	15
14	13	15	25	39	e21	38	59	37	35	25	18	15
15	13	15	24	37	e21	37	54	35	35	26	17	14
16	13	14	24	33	e22	36	50	35	34	28	17	14
17	13	14	26	30	e22	34	48	34	33	27	17	14
18	13	14	25	29	23	33	48	34	32	26	17	14
19	13	14	25	34	24	33	47	33	32	25	16	14
20	13	14	24	50	24	33	45	32	31	25	17	14
21	13	14	23	57	24	32	45	31	27	25	18	14
22	13	14	23	49	24	31	43	29	26	24	17	14
23	14	14	23	45	24	31	42	30	26	23	15	14
24	13	14	23	41	24	30	41	103	27	21	15	14
25	13	14	22	38	23	29	40	124	28	21	15	13
26	13	14	22	36	23	29	39	91	32	20	15	13
27	13	15	22	34	25	29	39	73	61	20	15	13
28	13	19	22	33	27	29	38	68	70	19	16	13
29	13	17	21	32	---	29	37	68	81	19	16	13
30	13	17	21	31	---	28	38	60	76	19	16	13
31	13	---	21	31	---	28	---	55	---	19	16	---
TOTAL	406	444	728	949	685	1037	1334	1444	1243	895	575	433
MEAN	13.1	14.8	23.5	30.6	24.5	33.5	44.5	46.6	41.4	28.9	18.5	14.4
MAX	14	19	37	57	30	63	91	124	81	59	25	17
MIN	13	13	15	19	21	24	27	29	26	19	15	13
CFSM	.36	.41	.65	.85	.68	.93	1.23	1.29	1.15	.80	.51	.40
IN.	.42	.46	.75	.98	.71	1.07	1.37	1.49	1.28	.92	.59	.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	28.9	37.1	37.2	46.1	39.1	43.3	48.8	41.6	45.2	27.1	20.0	21.9
MAX	61.5	60.1	60.3	94.8	50.1	64.4	62.8	59.4	82.3	40.0	33.2	36.5
(WY)	1991	1993	1991	1993	1993	1993	1993	1990	1993	1993	1990	1990
MIN	12.9	14.0	14.8	27.4	24.5	30.8	37.9	24.4	16.5	12.1	10.5	11.7
(WY)	1988	1988	1990	1988	1995	1989	1989	1989	1988	1988	1988	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	9023		10173			
ANNUAL MEAN	24.7		27.9		36.3	
HIGHEST ANNUAL MEAN					53.2	1993
LOWEST ANNUAL MEAN					24.2	1988
HIGHEST DAILY MEAN	120	Jan 29	124	May 25	256	Jun 9 1993
LOWEST DAILY MEAN	11	Sep 12	13	Oct 2	7.9	Aug 9 1988
ANNUAL SEVEN-DAY MINIMUM	11	Sep 12	13	Oct 2	9.0	Aug 8 1988
INSTANTANEOUS PEAK FLOW			150	May 24	333	Jun 8 1993
INSTANTANEOUS PEAK STAGE			4.75	May 24	6.35	Jun 8 1993
ANNUAL RUNOFF (CFSM)	.68		.77		1.01	
ANNUAL RUNOFF (INCHES)	9.30		10.48		13.67	
10 PERCENT EXCEEDS	42		45		61	
50 PERCENT EXCEEDS	21		24		32	
90 PERCENT EXCEEDS	13		14		14	

e Estimated

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 mi².
PERIOD OF RECORD.--April 1931 to current year.
REVISED RECORDS.--WSP 1337: 1939(M). WSP 1557: 1954. WSP 2111: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 769.43 ft above sea level. Prior to Nov. 20, 1931, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are fair. Occasional low-flow regulation at Goshen Dam, 3.4 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	203	286	307	e520	592	513	709	980	1020	208	198
2	128	201	262	303	e500	510	511	680	951	876	209	191
3	123	182	251	283	e470	474	497	646	914	832	442	186
4	131	188	242	e270	e445	455	479	626	867	811	647	181
5	131	203	240	e250	e420	449	458	623	820	805	503	176
6	122	263	246	e240	e400	451	450	598	777	767	478	167
7	118	275	587	e240	e385	709	448	575	753	713	458	169
8	123	241	1040	e240	e375	1480	474	555	734	649	437	225
9	141	260	806	e240	e365	1330	735	572	728	606	425	231
10	193	342	753	e240	e350	1000	1440	579	749	573	418	218
11	188	329	643	e240	e335	955	1800	694	711	512	398	209
12	177	291	548	e245	e320	952	1640	637	675	452	378	194
13	171	271	495	339	e310	931	1420	573	693	406	353	183
14	160	262	456	783	e305	898	1230	534	561	343	337	168
15	151	254	428	898	e320	870	1170	505	492	319	314	155
16	143	244	419	726	e330	838	1150	474	475	494	318	149
17	142	237	495	621	e350	812	1130	466	450	569	328	144
18	144	228	538	582	377	783	1100	474	401	509	344	142
19	141	220	483	646	413	769	1080	467	378	458	382	136
20	149	212	442	1030	444	756	1020	443	357	408	360	141
21	149	216	419	1190	444	735	985	415	322	343	344	156
22	144	214	392	976	421	696	942	393	303	320	325	173
23	142	201	412	815	421	653	890	381	293	309	302	159
24	142	196	367	793	429	630	853	738	259	319	273	153
25	154	191	350	750	419	602	827	1570	267	290	259	150
26	148	187	338	e700	410	571	789	1530	318	266	238	145
27	161	216	328	e660	450	556	764	1160	786	259	227	138
28	156	425	318	e640	669	566	733	1050	1030	282	225	133
29	145	429	314	e600	---	546	698	1110	1190	270	219	129
30	141	324	302	e565	---	535	700	1070	1310	240	214	125
31	154	---	295	e540	---	526	---	990	---	226	205	---
TOTAL	4542	7505	13495	16952	11397	22630	26926	21837	19544	15246	10568	5024
MEAN	147	250	435	547	407	730	898	704	651	492	341	167
MAX	193	429	1040	1190	669	1480	1800	1570	1310	1020	647	231
MIN	118	182	240	240	305	449	448	381	259	226	205	125
CFSM	.25	.42	.73	.92	.69	1.23	1.51	1.19	1.10	.83	.57	.28
IN.	.28	.47	.85	1.06	.71	1.42	1.69	1.37	1.22	.95	.66	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1995, BY WATER YEAR (WY)

MEAN	318	395	502	593	692	942	945	701	493	355	268	251
MAX	1652	1132	1276	2058	1657	2497	2424	2354	1516	1079	712	784
(WY)	1955	1973	1983	1993	1959	1982	1950	1943	1981	1951	1958	1958
MIN	75.9	95.9	122	122	108	301	363	222	101	94.0	73.0	58.5
(WY)	1965	1965	1964	1963	1963	1964	1946	1958	1934	1934	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1932 - 1995	
ANNUAL TOTAL	154706		175666			
ANNUAL MEAN	424		481		537	
HIGHEST ANNUAL MEAN					1005	1950
LOWEST ANNUAL MEAN					197	1964
HIGHEST DAILY MEAN	1760	Apr 13	1800	Apr 11	6010	Feb 24 1985
LOWEST DAILY MEAN	67	Sep 29	118	Oct 7	7.0	Aug 11 1964
ANNUAL SEVEN-DAY MINIMUM	110	Sep 27	125	Oct 2	50	Sep 21 1941
INSTANTANEOUS PEAK FLOW			1880	Apr 11	6360	Feb 24 1985
INSTANTANEOUS PEAK STAGE			5.49	Apr 11	11.94	Mar 14 1982
ANNUAL RUNOFF (CFSM)	.71		.81		.90	
ANNUAL RUNOFF (INCHES)	9.69		11.00		12.28	
10 PERCENT EXCEEDS	875		921		1100	
50 PERCENT EXCEEDS	302		415		388	
90 PERCENT EXCEEDS	144		155		155	

e Estimated

04101000 ST. JOSEPH RIVER AT ELKHART, IN

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.
DRAINAGE AREA.--3,370 mi^2.
PERIOD OF RECORD.--August 1947 to current year. Gage heights at site 0.8 mi downstream at different datum from September 1924 to March 1926 are available from the district office.
REVISED RECORDS.--WSP 2111: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 700.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are fair. The flow is regulated by Elkhart Hydroelectric Plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1550	2050	2560	2680	3430	3180	2960	3580	3970	3600	1640	1950
2	1420	2140	2510	2620	3320	3060	2990	3400	3920	3290	1550	1960
3	1430	2280	2520	2410	3310	2930	2900	3250	3720	3130	3220	1940
4	1460	2080	2320	1990	3290	2890	2880	3300	3690	3110	4230	1620
5	1460	2010	2350	e2000	3160	2660	2840	3290	3230	2740	3680	1700
6	1400	2410	2490	e2050	2720	2730	2760	3310	3240	2990	3230	1730
7	1400	2560	3000	e2100	e2600	3590	2750	3250	3330	2730	3010	1770
8	1460	2550	3640	e2200	e2400	4760	2770	3140	2980	2450	2950	1970
9	1490	2680	3580	e2250	e2300	4830	3400	3220	2880	2420	2750	2020
10	1490	2770	3420	e2300	e2200	4660	4640	3240	3160	2190	2830	1840
11	1570	2780	3310	2440	e2100	4640	5330	3540	2710	2150	2580	1620
12	1470	2800	3060	2570	e2050	4800	5470	3630	2620	1990	2570	1930
13	1480	2900	3100	3200	e2000	4740	5440	3370	2890	1880	2230	1750
14	1480	2640	2990	3550	e1900	4800	5210	3270	2330	1700	2030	1740
15	1440	2440	2830	3920	e2000	4660	5020	3210	2390	1750	2300	1690
16	1280	2510	2850	3720	e2100	4500	4870	3070	2320	2210	2500	1720
17	1280	2350	3050	3600	e2200	4340	4730	3050	2150	2220	2560	1570
18	1430	2070	3130	3500	2440	4160	4630	2910	2010	2240	2870	1540
19	1460	1920	3330	3590	2780	3990	4600	2960	1800	2050	3160	1560
20	1450	2120	3440	4190	2860	3700	4370	2830	2090	1980	3460	1550
21	1450	1900	3360	4640	2890	3430	4260	2600	1730	1910	3620	1650
22	1490	2300	3270	4550	2790	3490	4250	2470	1710	1980	3420	1700
23	1380	1890	3180	4460	2830	3560	4060	2550	1620	2030	3180	1720
24	1390	2280	3130	4330	2820	3380	3880	3190	1600	2380	2990	1560
25	1490	1880	3070	4230	2840	3270	3800	4360	1520	2030	2780	1550
26	1460	1790	2850	4050	2800	3180	3680	4640	1850	1910	2670	1650
27	1270	1840	2830	e3850	2940	3120	3670	4430	2920	1960	2420	1580
28	1350	2430	2830	e3700	3260	3140	3680	4320	3260	1970	2020	1510
29	1430	2670	2770	e3600	---	3120	3580	4320	3700	1890	2310	1510
30	1430	2710	2720	e3500	---	3090	3610	4220	3870	1750	2220	1490
31	1500	---	2670	3450	---	3020	---	4140	---	1660	2090	---
TOTAL	44540	69750	92160	101240	74330	115420	119030	106060	81210	70290	85070	51090
MEAN	1437	2325	2973	3266	2655	3723	3968	3421	2707	2267	2744	1703
MAX	1570	2900	3640	4640	3430	4830	5470	4640	3970	3600	4230	2020
MIN	1270	1790	2320	1990	1900	2660	2750	2470	1520	1660	1550	1490
CFSM	.43	.69	.88	.97	.79	1.10	1.18	1.02	.80	.67	.81	.51
IN.	.49	.77	1.02	1.12	.82	1.27	1.31	1.17	.90	.78	.94	.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1995, BY WATER YEAR (WY)

MEAN	2214	2637	3233	3603	3851	5130	5241	4079	3203	2385	1962	1885
MAX	5752	5883	5795	9270	7039	10760	12690	7725	7535	4409	4180	3855
(WY)	1987	1993	1991	1993	1968	1982	1950	1956	1989	1968	1981	1981
MIN	791	856	958	1127	1120	1679	2633	1911	1280	898	737	721
(WY)	1964	1965	1964	1964	1963	1964	1958	1958	1988	1988	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1948 - 1995	
ANNUAL TOTAL	1043160		1010190			
ANNUAL MEAN	2858		2768		3282	
HIGHEST ANNUAL MEAN					5264	1950
LOWEST ANNUAL MEAN					1283	1964
HIGHEST DAILY MEAN	6560	Feb 22	5470	Apr 12	18500	Mar 21 1982
LOWEST DAILY MEAN	1270	Oct 27	1270	Oct 27	336	Aug 5 1964
ANNUAL SEVEN-DAY MINIMUM	1400	Oct 23	1400	Oct 23	561	Aug 2 1964
INSTANTANEOUS PEAK FLOW			5830	Apr 12	18800	Feb 27 1985
INSTANTANEOUS PEAK STAGE			21.20	Apr 12	27.91	Mar 21 1982
ANNUAL RUNOFF (CFSM)	.85		.82		.97	
ANNUAL RUNOFF (INCHES)	11.51		11.15		13.23	
10 PERCENT EXCEEDS	4710		4170		5820	
50 PERCENT EXCEEDS	2540		2750		2800	
90 PERCENT EXCEEDS	1470		1550		1380	

e Estimated

04101370 JUDAY CREEK NEAR SOUTH BEND, IN

LOCATION.--Lat 41°43'43", long 85°15'46", in NW¼SE¼ sec.23, T.38N., R.2E., St. Joseph County, Hydrologic Unit 04050001, on right bank at downstream side of bridge on access road to Izaak Walton League property, 0.1 mi south of Darden Road in Roseland, IN.
DRAINAGE AREA.--Approx. 38 mi^2.
PERIOD OF RECORD.--October 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage about 690.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	25	22	19	23	25	21	25	19	15	e11	19
2	13	24	22	19	23	24	21	25	20	14	e11	19
3	12	21	21	19	22	23	22	25	20	13	e40	18
4	12	20	20	e18	23	23	22	25	19	13	e90	18
5	12	21	20	e18	22	23	21	25	18	13	e72	18
6	12	29	21	e17	e21	23	21	24	18	12	e60	17
7	11	24	36	e17	e20	32	e20	23	17	12	e52	19
8	13	20	32	e16	e20	33	e20	22	17	11	e46	18
9	15	19	30	e16	e19	29	e26	25	16	11	e40	17
10	13	21	28	e16	e19	28	e35	27	16	11	e36	17
11	13	20	27	e17	e18	27	e50	26	16	11	e33	15
12	12	20	24	18	e18	26	39	24	15	9.7	e30	16
13	e12	19	23	22	e17	25	33	25	15	9.6	e28	17
14	e12	21	22	27	e17	25	29	24	14	8.9	e26	16
15	e11	23	21	28	e17	25	28	22	14	9.2	e25	15
16	e11	23	21	25	e17	25	27	22	13	19	e36	15
17	e11	22	23	23	18	25	26	21	13	18	e52	14
18	e11	21	23	23	19	25	27	21	13	13	e64	14
19	e11	21	22	24	20	24	27	21	12	12	51	14
20	12	21	22	26	21	24	26	20	12	11	40	14
21	11	21	21	25	21	24	28	e20	11	11	36	14
22	12	20	21	25	21	23	28	e19	12	13	32	15
23	12	20	21	24	21	23	27	e19	11	16	30	14
24	13	20	20	e24	21	22	26	e22	11	17	28	14
25	13	20	20	e24	20	21	26	27	12	18	26	14
26	14	19	19	e24	21	21	25	24	13	15	25	14
27	14	24	19	e24	24	23	26	22	15	14	23	14
28	14	27	19	24	26	22	25	24	17	14	22	e14
29	13	24	19	23	---	22	24	21	19	12	22	e14
30	13	23	19	23	---	21	25	20	16	11	20	e14
31	16	---	19	23	---	21	---	20	---	11	20	---
TOTAL	387	653	697	671	569	757	801	710	454	398.4	1127	471
MEAN	12.5	21.8	22.5	21.6	20.3	24.4	26.7	22.9	15.1	12.9	36.4	15.7
MAX	16	29	36	28	26	33	50	27	20	19	90	19
MIN	11	19	19	16	17	21	20	19	11	8.9	11	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	19.8	25.9	21.5	25.4	22.5	27.5	28.8	21.8	24.9	17.4	22.1	17.5
MAX	27.3	31.6	23.6	38.3	24.6	33.8	35.3	25.5	44.9	23.0	36.4	24.0
(WY)	1994	1994	1993	1993	1993	1993	1993	1993	1993	1993	1995	1993
MIN	12.5	21.8	18.6	16.2	20.3	24.2	24.3	17.0	14.6	12.9	14.4	12.7
(WY)	1995	1995	1994	1994	1995	1994	1994	1994	1994	1995	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	6647		7695.4			
ANNUAL MEAN	18.2		21.1		22.9	
HIGHEST ANNUAL MEAN					27.7	1993
LOWEST ANNUAL MEAN					19.9	1994
HIGHEST DAILY MEAN	54	Feb 20	90	Aug 4	163	Jun 9 1993
LOWEST DAILY MEAN	11	Jan 18	8.9	Jul 14	8.9	Jul 14 1995
ANNUAL SEVEN-DAY MINIMUM	11	Jan 18	10	Jul 9	10	Jul 9 1995
INSTANTANEOUS PEAK FLOW			Unknown		226	Jun 9 1993
INSTANTANEOUS PEAK STAGE			Unknown		3.39	Jun 9 1993
10 PERCENT EXCEEDS	25		28		34	
50 PERCENT EXCEEDS	17		21		21	
90 PERCENT EXCEEDS	12		12		13	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1969 to current year.
GAGE.--Water-stage recorder. Datum of gage is 876.00 ft above sea level.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	4.5	3.0	11	14	22	12	26	30	159	6.8	4.1
2	2.1	3.5	2.9	e8.2	14	18	13	24	26	99	11	3.5
3	1.9	2.9	2.8	e6.8	14	16	14	20	25	66	24	3.5
4	1.9	3.0	2.8	e5.8	e12	14	15	21	21	48	18	3.3
5	1.9	3.9	6.3	e5.4	e10	14	10	28	18	38	20	3.2
6	1.8	6.8	8.6	e5.3	e9.0	15	11	25	16	32	15	3.0
7	2.0	4.1	56	e5.0	e8.2	91	10	22	15	25	11	4.8
8	2.3	3.2	48	e4.8	e7.4	147	20	19	17	19	8.8	9.2
9	3.7	4.6	38	e4.7	e6.8	96	146	20	13	16	7.4	7.3
10	1.8	5.4	33	e4.8	e6.6	68	249	27	16	14	7.0	5.5
11	1.6	4.3	25	e5.4	e6.2	54	202	48	17	12	6.4	4.4
12	1.7	3.6	18	9.0	e6.0	50	158	36	14	11	6.4	4.1
13	1.7	3.3	15	20	e5.8	46	117	29	11	9.8	7.1	4.3
14	1.9	3.2	13	29	e5.6	41	83	28	8.9	8.8	5.3	3.8
15	2.2	2.9	11	34	e5.5	37	64	23	7.5	9.0	7.6	3.2
16	2.2	2.6	13	28	e5.8	33	51	19	7.3	10	9.9	3.3
17	2.1	2.6	32	23	e6.4	29	44	19	8.0	8.6	40	3.3
18	2.3	2.8	29	21	8.0	25	46	20	6.9	6.0	166	2.8
19	3.6	2.4	23	26	11	23	44	19	6.1	4.3	100	2.7
20	3.0	2.3	19	68	13	24	37	15	5.4	4.3	59	3.7
21	2.4	3.6	16	78	14	28	40	13	4.3	4.8	39	4.1
22	2.1	3.0	14	59	13	23	38	11	3.6	5.0	27	5.4
23	2.6	2.3	13	45	14	20	32	11	3.2	5.7	19	3.3
24	2.1	1.9	12	37	15	18	29	92	3.8	4.6	15	3.3
25	1.8	1.9	11	30	14	16	26	119	4.4	4.3	12	3.3
26	1.7	1.9	9.5	26	13	15	23	83	9.7	7.7	9.7	3.3
27	1.7	3.4	8.9	23	20	15	25	60	57	11	8.5	3.2
28	1.8	6.7	8.9	20	25	16	23	73	92	7.5	7.0	2.9
29	1.9	4.7	7.7	18	---	16	21	70	347	5.8	6.7	3.2
30	1.9	3.4	6.7	16	---	15	25	50	275	4.4	5.8	3.2
31	2.3	---	7.9	15	---	13	---	38	---	3.9	5.7	---
TOTAL	66.2	104.7	515.0	692.2	303.3	1058	1628	1108	1089.1	664.5	692.1	118.2
MEAN	2.14	3.49	16.6	22.3	10.8	34.1	54.3	35.7	36.3	21.4	22.3	3.94
MAX	3.7	6.8	56	78	25	147	249	119	347	159	166	9.2
MIN	1.6	1.9	2.8	4.7	5.5	13	10	11	3.2	3.9	5.3	2.7
CFSM	.06	.09	.44	.60	.29	.91	1.45	.95	.97	.57	.60	.11
IN.	.07	.10	.51	.69	.30	1.05	1.61	1.10	1.08	.66	.69	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	13.7	29.6	38.0	36.6	47.6	72.2	61.6	35.1	27.6	16.3	11.1	10.6
MAX	69.5	117	91.3	161	129	219	112	88.4	118	64.3	35.0	47.1
(WY)	1987	1993	1991	1993	1976	1982	1978	1990	1981	1992	1979	1981
MIN	2.14	2.46	7.25	5.96	7.84	28.1	18.7	8.24	2.05	2.02	1.89	1.88
(WY)	1995	1972	1977	1977	1979	1981	1971	1985	1988	1988	1970	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	7974.1		8039.3			
ANNUAL MEAN	21.8		22.0		33.2	
HIGHEST ANNUAL MEAN					54.7	1993
LOWEST ANNUAL MEAN					17.8	1972
HIGHEST DAILY MEAN	334	Apr 13	347	Jun 29	716	Dec 31 1992
LOWEST DAILY MEAN	1.6	Sep 19	1.6	Oct 11	.52	Aug 31 1971
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 17	1.8	Oct 24	.82	Aug 26 1971
INSTANTANEOUS PEAK FLOW			375	Jun 29	757	Dec 31 1992
INSTANTANEOUS PEAK STAGE			9.08	Jun 29	11.95	Feb 24 1985
ANNUAL RUNOFF (CFSM)	.58		.59		.89	
ANNUAL RUNOFF (INCHES)	7.91		7.97		12.05	
10 PERCENT EXCEEDS	54		48		79	
50 PERCENT EXCEEDS	7.5		11		16	
90 PERCENT EXCEEDS	1.9		2.7		2.9	

e Estimated

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^2.
PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only for some periods, published in WSP 1307.
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 795.40 ft above sea level. Prior to Oct. 22, 1947, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	52	78	184	e350	349	219	351	715	2660	77	78
2	46	54	70	e175	e310	318	228	360	520	2850	80	74
3	43	76	83	e165	e270	262	239	351	430	2410	182	73
4	43	81	113	e150	e250	244	238	331	377	1780	179	68
5	41	87	118	e140	e230	239	235	329	324	966	283	64
6	40	128	125	e130	e200	226	248	351	292	591	298	61
7	39	134	332	e120	e190	590	238	359	267	461	219	66
8	38	148	587	e115	e180	1460	269	335	247	376	174	94
9	40	160	688	e110	e170	1560	829	310	226	329	149	84
10	37	159	633	e110	e160	1540	2070	298	208	286	137	76
11	38	149	557	e120	e155	1400	2750	319	197	235	126	76
12	40	157	473	e140	e145	1270	2820	475	198	209	116	72
13	42	150	387	169	e140	1100	2600	472	209	202	104	69
14	42	150	321	238	e140	960	2290	387	195	186	99	68
15	41	178	279	503	e140	859	1890	331	176	163	93	75
16	39	167	303	736	e150	768	1390	294	160	158	100	68
17	41	153	471	753	e162	679	920	265	144	152	126	61
18	45	139	641	663	169	596	740	246	130	137	875	56
19	40	125	627	565	184	523	761	234	116	125	1030	54
20	44	109	534	723	217	474	706	228	110	115	785	56
21	50	101	451	1230	252	591	675	214	107	106	467	54
22	56	93	383	1320	267	591	708	196	103	97	336	54
23	56	80	332	1210	273	527	667	181	94	99	257	53
24	57	69	294	1110	260	463	589	353	131	101	202	53
25	53	68	266	e950	276	409	515	859	155	96	161	53
26	51	64	243	e780	257	335	458	1070	181	94	135	54
27	51	62	224	e660	265	267	418	1140	627	133	121	54
28	50	69	211	e560	312	247	380	1160	1240	118	110	54
29	48	70	210	e460	---	241	365	1210	1660	102	102	53
30	47	78	206	e400	---	238	357	1120	2110	91	95	51
31	47	---	194	e370	---	230	---	936	---	84	89	---
TOTAL	1387	3310	10434	15059	6074	19556	26812	15065	11649	15512	7307	1926
MEAN	44.7	110	337	486	217	631	894	486	388	500	236	64.2
MAX	57	178	688	1320	350	1560	2820	1210	2110	2850	1030	94
MIN	37	52	70	110	140	226	219	181	94	84	77	51
CFSM	.07	.18	.55	.80	.36	1.03	1.47	.80	.64	.82	.39	.11
IN.	.08	.20	.64	.92	.37	1.19	1.64	.92	.71	.95	.45	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	182	380	594	659	842	1216	1081	607	374	243	137	128
MAX	1066	1756	2085	2545	2302	3512	3102	2499	1864	1045	563	582
(WY)	1987	1993	1968	1950	1976	1982	1950	1956	1989	1951	1979	1958
MIN	21.0	30.5	31.1	38.3	41.4	312	321	148	51.4	32.2	29.1	20.3
(WY)	1964	1965	1964	1963	1963	1964	1971	1988	1988	1988	1967	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	155035		134091			
ANNUAL MEAN	425		367		533	
HIGHEST ANNUAL MEAN					1008	1950
LOWEST ANNUAL MEAN					132	1964
HIGHEST DAILY MEAN	4300	Jan 29	2850	Jul 2	9450	Apr 6 1950
LOWEST DAILY MEAN	25	Sep 21	37	Oct 10	14	Sep 10 1964
ANNUAL SEVEN-DAY MINIMUM	26	Sep 18	39	Oct 6	15	Sep 10 1964
INSTANTANEOUS PEAK FLOW			2920	Jul 2	9710	Apr 6 1950
INSTANTANEOUS PEAK STAGE			12.59	Jul 2	17.96	Mar 17 1982
ANNUAL RUNOFF (CFSM)	.70		.60		.87	
ANNUAL RUNOFF (INCHES)	9.45		8.18		11.88	
10 PERCENT EXCEEDS	1210		865		1490	
50 PERCENT EXCEEDS	137		202		230	
90 PERCENT EXCEEDS	41		54		48	

e Estimated

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^2.
PERIOD OF RECORD.--October 1946 to current year.
REVISED RECORDS.--WSP 1912: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 780.09 ft above sea level. Prior to Nov. 4, 1947, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	56	e40	72	e110	202	109	177	219	551	51	43
2	24	63	e40	e64	e98	141	106	171	184	312	51	41
3	22	50	e41	e54	e86	122	105	155	171	209	375	37
4	23	48	e47	e50	e80	108	105	145	154	161	243	35
5	25	50	e54	e48	e72	104	99	160	141	139	354	34
6	26	76	e290	e46	e68	106	97	155	131	122	290	35
7	27	53	e280	e44	e63	575	95	143	121	104	206	36
8	27	42	e260	e44	e60	1890	204	135	122	90	209	134
9	35	44	e220	e46	e56	1140	750	146	110	82	153	85
10	34	95	e185	e50	e54	647	2480	155	107	78	117	64
11	31	62	e150	e58	e52	467	2850	214	107	73	96	51
12	31	47	e125	72	e50	403	1070	228	100	68	80	46
13	31	38	e105	164	e50	362	1260	185	94	64	69	43
14	31	34	e84	303	e50	320	819	180	86	59	61	41
15	32	33	e100	310	e52	279	583	162	79	58	58	38
16	32	31	e160	241	e56	245	446	144	75	149	150	36
17	32	29	e230	178	e66	214	357	137	71	103	108	35
18	35	29	e190	151	e94	184	339	132	67	74	243	32
19	41	29	e140	191	98	169	356	130	65	61	231	33
20	47	26	e115	850	114	174	295	119	65	56	141	34
21	41	26	105	1180	115	278	294	110	61	53	100	36
22	40	31	91	641	103	204	299	101	58	51	80	41
23	40	28	83	399	101	169	254	95	57	54	67	38
24	41	27	76	e220	111	149	225	632	61	54	59	35
25	41	26	69	e180	105	135	202	1450	69	64	55	34
26	42	25	63	e145	97	125	179	821	105	65	51	34
27	41	27	60	e125	104	119	171	489	735	159	47	33
28	40	67	58	e115	239	125	162	434	870	106	45	32
29	41	53	55	e110	---	124	151	571	901	77	45	32
30	40	e41	51	e110	---	120	156	388	849	57	45	32
31	40	---	51	e120	---	114	---	279	---	49	45	---
TOTAL	1059	1286	3618	6381	2404	9514	15418	8543	6035	3402	3925	1280
MEAN	34.2	42.9	117	206	85.9	307	514	276	201	110	127	42.7
MAX	47	95	290	1180	239	1890	2850	1450	901	551	375	134
MIN	22	25	40	44	50	104	95	95	57	49	45	32
CFSM	.13	.16	.43	.76	.32	1.14	1.90	1.02	.75	.41	.47	.16
IN.	.15	.18	.50	.88	.33	1.31	2.12	1.18	.83	.47	.54	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	115	188	284	315	397	515	471	271	203	124	79.5	82.6
MAX	805	936	908	1393	1290	1724	1130	947	1046	515	327	477
(WY)	1955	1993	1967	1950	1959	1982	1950	1956	1981	1986	1990	1972
MIN	19.8	24.0	24.7	25.9	28.5	146	139	68.6	44.0	35.1	22.0	20.9
(WY)	1965	1965	1964	1963	1963	1957	1971	1958	1988	1953	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	87128		62865			
ANNUAL MEAN	239		172		253	
HIGHEST ANNUAL MEAN					485	1950
LOWEST ANNUAL MEAN					85.3	1964
HIGHEST DAILY MEAN	3860	Apr 13	2850	Apr 11	5220	Dec 31 1990
LOWEST DAILY MEAN	22	Oct 3	22	Oct 3	13	Oct 3 1949
ANNUAL SEVEN-DAY MINIMUM	24	Sep 18	25	Oct 1	18	Sep 27 1949
INSTANTANEOUS PEAK FLOW			3080	Apr 11	5580	Dec 30 1990
INSTANTANEOUS PEAK STAGE			8.83	Apr 11	13.38	Dec 30 1990
ANNUAL RUNOFF (CFSM)	.88		.64		.94	
ANNUAL RUNOFF (INCHES)	12.00		8.66		12.75	
10 PERCENT EXCEEDS	640		328		600	
50 PERCENT EXCEEDS	67		95		114	
90 PERCENT EXCEEDS	30		34		32	

e Estimated

04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 41°10'41", long 85°03'19", in NW¼NE¼ 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 mi².
PERIOD OF RECORD.--October 1983 to current year. 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 sea level (levels by State of Indiana).
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	125	147	265	e480	683	360	576	1240	3200	169	155
2	68	111	146	276	e430	472	347	571	974	3220	188	145
3	68	56	147	e250	e380	383	339	547	770	3330	458	144
4	66	82	146	e230	e340	347	342	527	680	2870	537	142
5	61	137	175	e210	e300	344	334	528	516	1870	874	138
6	67	161	199	e195	e280	355	327	505	500	1080	652	137
7	83	157	681	e180	e275	1500	323	506	443	750	624	141
8	94	167	1260	e175	e270	4310	583	498	435	662	669	249
9	99	236	1060	e170	e260	3260	2150	494	384	505	443	202
10	108	251	1190	e165	e240	2560	6280	515	373	425	303	181
11	90	217	1040	e180	e220	2290	7150	556	366	362	288	164
12	98	204	685	e200	e210	1920	5980	596	275	349	253	151
13	90	198	619	309	e200	1770	5110	665	317	269	226	145
14	97	195	530	596	e190	1490	4030	751	328	300	202	142
15	90	193	398	987	e195	1290	3350	573	315	288	200	135
16	78	195	339	1220	e200	1160	2620	468	275	364	275	131
17	88	196	660	1020	e210	1000	1700	470	244	328	240	134
18	93	193	878	1080	222	916	1400	449	242	278	474	e130
19	101	188	879	967	253	829	1280	394	235	239	1530	e128
20	96	182	847	2250	309	683	1210	362	229	220	1250	e126
21	97	159	709	3040	334	939	1130	356	231	210	814	e125
22	99	152	637	2290	354	1040	1230	345	148	210	525	e128
23	91	148	528	1900	351	823	1080	325	180	211	406	132
24	50	133	413	1640	404	704	945	958	210	209	285	126
25	50	134	326	1310	377	642	820	2470	242	217	281	126
26	74	134	378	e1000	363	545	791	2140	522	211	222	126
27	61	135	322	e780	372	449	670	1960	1900	307	184	125
28	52	153	265	e640	663	390	629	1820	e2500	291	203	127
29	52	158	277	e520	---	374	565	2060	3200	254	191	122
30	53	151	270	e450	---	378	546	1840	3530	218	183	125
31	57	---	260	e430	---	371	---	1540	---	189	163	---
TOTAL	2438	4901	16411	24925	8682	34217	53621	26365	21804	23436	13312	4282
MEAN	78.6	163	529	804	310	1104	1787	850	727	756	429	143
MAX	108	251	1260	3040	663	4310	7150	2470	3530	3330	1530	249
MIN	50	56	146	165	190	344	323	325	148	189	163	122
CFSM	.07	.15	.50	.76	.29	1.04	1.69	.80	.69	.71	.41	.13
IN.	.09	.17	.58	.87	.30	1.20	1.88	.93	.77	.82	.47	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

MEAN	617	1168	1289	1462	1608	1914	1825	857	836	502	292	325
MAX	1984	3330	2421	4615	3315	3612	2843	2270	2915	1413	748	766
(WY)	1987	1993	1991	1993	1990	1985	1985	1990	1989	1986	1990	1992
MIN	78.6	163	167	305	310	980	607	272	153	122	125	81.5
(WY)	1995	1995	1990	1984	1995	1989	1986	1988	1988	1988	1988	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1984 - 1995	
ANNUAL TOTAL	292360		234394			
ANNUAL MEAN	801		642		1054	
HIGHEST ANNUAL MEAN					1532	1993
LOWEST ANNUAL MEAN					642	1995
HIGHEST DAILY MEAN	8390	Apr 13	7150	Apr 11	13100	Feb 26 1985
LOWEST DAILY MEAN	50	Oct 24	50	Oct 24	43	Oct 17 1991
ANNUAL SEVEN-DAY MINIMUM	56	Oct 24	56	Oct 24	56	Oct 24 1994
INSTANTANEOUS PEAK FLOW			8120	Apr 10	13400	Jan 5 1993
INSTANTANEOUS PEAK STAGE			13.19	Apr 10	18.40	Jan 5 1993
ANNUAL RUNOFF (CFSM)	.76		.61		.99	
ANNUAL RUNOFF (INCHES)	10.26		8.23		13.51	
10 PERCENT EXCEEDS	2350		1530		2550	
50 PERCENT EXCEEDS	220		327		519	
90 PERCENT EXCEEDS	85		125		150	

e Estimated

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 mi².
PERIOD OF RECORD.--October 1946 to current year. 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.
REVISED RECORDS.--WSP 1174: 1948. WSP 1337: 1947. WSP 1627: 1950. WSP 1912: 1955, drainage area.
GAGE.--Water-stage recorder. Datum of gage is 760.44 ft above sea level. Prior to July 27, 1948, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Grand Lake. Slight diversion from or into Wabash River Basin and into Miami and Erie Canals.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	39	31	54	e170	e809	93	183	290	1070	219	35
2	35	30	36	41	e150	e601	90	155	303	719	134	33
3	31	30	48	e34	e135	e566	87	138	724	507	89	32
4	26	31	44	e30	e120	e579	86	128	537	351	70	31
5	23	39	40	e27	e110	e504	85	125	356	250	317	29
6	21	60	37	e25	e100	e424	77	114	294	181	849	28
7	19	57	103	e24	e92	e717	67	101	247	136	522	27
8	18	40	164	e23	e86	e2450	93	94	1270	108	767	26
9	26	53	137	e22	e80	e2400	817	96	1390	91	1240	26
10	19	74	251	e21	e74	e1780	2650	107	1440	81	945	27
11	19	76	237	e24	e68	e1790	3760	139	2370	72	850	28
12	18	55	244	88	e64	e1750	3160	132	2230	64	775	31
13	17	68	250	365	e60	e1300	2590	114	2070	57	604	34
14	17	87	223	560	e58	e940	2130	126	1750	55	379	33
15	18	73	167	974	e68	665	1590	119	1350	51	221	30
16	19	57	142	778	e80	489	1120	99	962	54	148	30
17	20	43	506	575	e96	367	788	100	576	73	195	34
18	20	37	443	497	e120	282	590	128	332	110	665	38
19	25	32	361	450	e150	231	543	722	221	65	423	36
20	18	27	352	1300	e188	206	386	805	167	51	289	33
21	15	26	299	2050	e235	205	853	656	136	56	200	31
22	14	23	217	1320	e258	180	1260	863	112	57	130	30
23	15	22	152	871	e276	159	844	1040	106	84	96	30
24	16	21	116	e680	e282	146	953	1290	259	115	81	32
25	17	20	96	e540	e259	127	1060	1780	716	96	66	36
26	17	19	84	e440	e256	111	934	866	490	209	55	34
27	18	27	74	e360	e267	106	657	420	1500	427	46	30
28	20	49	66	e300	e580	104	423	477	1720	380	42	28
29	24	64	61	e250	---	100	288	606	1810	402	39	28
30	23	40	52	e210	---	96	225	379	1440	413	40	27
31	26	---	52	e200	---	96	---	286	---	343	39	---
TOTAL	649	1319	5085	13133	4482	20280	28299	12388	27168	6728	10535	927
MEAN	20.9	44.0	164	424	160	654	943	400	906	217	340	30.9
MAX	35	87	506	2050	580	2450	3760	1780	2370	1070	1240	38
MIN	14	19	31	21	58	96	67	94	106	51	39	26
CFSM	.03	.07	.26	.68	.26	1.05	1.52	.64	1.46	.35	.55	.05
IN.	.04	.08	.30	.79	.27	1.21	1.70	.74	1.63	.40	.63	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	127	315	568	721	890	1104	981	465	410	312	130	109
MAX	866	1988	2079	3834	2546	3263	3409	1491	2075	2674	848	1225
(WY)	1955	1993	1991	1950	1950	1978	1957	1947	1981	1992	1958	1992
MIN	7.52	13.7	12.8	21.0	30.5	125	79.3	55.6	28.1	20.6	15.5	12.6
(WY)	1964	1965	1964	1961	1964	1981	1966	1988	1988	1965	1963	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	119731		130993			
ANNUAL MEAN	328		359		504	
HIGHEST ANNUAL MEAN					879	1993
LOWEST ANNUAL MEAN					140	1966
HIGHEST DAILY MEAN	5420	Apr 13	3760	Apr 11	10600	Feb 15 1950
LOWEST DAILY MEAN	14	Oct 22	14	Oct 22	5.4	Oct 18 1960
ANNUAL SEVEN-DAY MINIMUM	16	Oct 20	16	Oct 20	6.2	Oct 12 1963
INSTANTANEOUS PEAK FLOW			3870	Apr 11	11300	Feb 10 1959
INSTANTANEOUS PEAK STAGE			18.33	Apr 11	24.40	Mar 14 1982
ANNUAL RUNOFF (CFSM)	.53		.58		.81	
ANNUAL RUNOFF (INCHES)	7.17		7.85		11.04	
10 PERCENT EXCEEDS	724		967		1500	
50 PERCENT EXCEEDS	73		115		128	
90 PERCENT EXCEEDS	23		26		22	

e Estimated

04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 40°59'16", long 85°06'43", 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^2.
PERIOD OF RECORD.--October 1930 to current year. 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.
REVISED RECORDS.--WSP 974: 1942. WSP 1337: 1933, 1947. WSP 1912: 1954, 1955, 1960, drainage area. WDR IN-82-1: 1973, 1974, 1978, 1979.
GAGE.--Water-stage recorder. Datum of gage is 748.97 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Apr. 13, 1939, nonrecording gage on upstream highway bridge at same datum.
REMARKS.--Records good except for estimated daily discharges, which are poor. 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. Period of record computations do not include 1934 water year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	36	53	67	e270	969	106	240	324	1920	293	42
2	40	44	43	65	e240	720	103	198	336	1140	181	40
3	41	42	46	e54	e220	636	101	170	641	739	115	38
4	38	39	57	e50	e200	646	98	154	748	497	85	37
5	35	43	56	e45	e180	589	95	149	472	344	100	36
6	32	55	54	e42	e160	504	93	140	365	245	780	35
7	28	65	125	e39	e140	1360	86	127	305	175	720	35
8	27	59	176	e37	e130	3570	91	114	1010	131	562	34
9	34	57	178	e36	e120	3330	728	113	1880	106	1350	33
10	33	64	216	e35	e110	2380	3680	122	1470	91	1170	33
11	28	75	276	e41	e100	2250	5160	148	2750	81	961	33
12	25	71	246	e60	e92	2220	4890	167	2870	71	886	35
13	27	57	257	249	e86	1730	3930	146	2650	64	749	37
14	23	64	249	557	e84	1200	3100	134	2320	57	523	40
15	23	81	210	985	e90	867	2300	142	1770	55	342	41
16	24	70	164	992	e100	641	1530	129	1260	55	225	39
17	24	59	373	703	e120	481	1050	118	802	54	157	38
18	26	50	555	577	e150	367	815	125	474	78	505	39
19	30	44	388	555	195	293	751	500	299	94	622	44
20	33	41	360	1530	270	252	554	1070	216	62	360	45
21	31	39	332	2870	343	234	733	759	168	52	264	42
22	26	38	269	2100	370	223	1650	852	138	55	171	40
23	23	36	196	1150	379	191	1110	1120	117	60	115	39
24	23	34	145	967	374	170	1030	1410	155	85	88	38
25	24	33	117	e830	326	156	1200	2510	765	103	75	39
26	25	32	101	e710	281	134	1150	1490	924	95	63	42
27	26	37	91	e600	310	120	873	679	3750	357	55	43
28	26	64	83	e520	694	118	581	499	3630	411	49	40
29	26	65	76	e420	---	117	388	758	4480	399	45	37
30	29	71	71	e330	---	111	296	544	3280	426	43	37
31	33	---	66	e300	---	108	---	371	---	409	42	---
TOTAL	898	1565	5629	17516	6134	26687	38272	15198	40369	8511	11696	1151
MEAN	29.0	52.2	182	565	219	861	1276	490	1346	275	377	38.4
MAX	41	81	555	2870	694	3570	5160	2510	4480	1920	1350	45
MIN	23	32	43	35	84	108	86	113	117	52	42	33
CFSM	.04	.07	.24	.74	.29	1.13	1.67	.64	1.77	.36	.50	.05
IN.	.04	.08	.27	.86	.30	1.30	1.87	.74	1.97	.42	.57	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

MEAN	151	331	624	854	1034	1322	1164	620	481	334	149	116
MAX	1299	2612	2349	4897	3404	4070	4119	3866	2545	2708	1074	1453
(WY)	1955	1973	1978	1950	1959	1978	1957	1943	1981	1992	1958	1992
MIN	8.28	16.9	16.7	21.3	45.4	87.0	90.7	59.9	34.3	11.9	13.9	11.6
(WY)	1964	1965	1964	1977	1964	1941	1946	1931	1988	1936	1932	1944

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995	
ANNUAL TOTAL	144987		173626			
ANNUAL MEAN	397		476		607	
HIGHEST ANNUAL MEAN					1093	1950
LOWEST ANNUAL MEAN					174	1966
HIGHEST DAILY MEAN	6560	Apr 14	5160	Apr 11	13000	May 19 1943
LOWEST DAILY MEAN	20	Sep 21	23	Oct 14	3.4	Oct 19 1934
ANNUAL SEVEN-DAY MINIMUM	22	Sep 17	25	Oct 12	4.9	Oct 15 1934
INSTANTANEOUS PEAK FLOW			5180	Apr 11	13600	Feb 11 1959
INSTANTANEOUS PEAK STAGE			11.96	Apr 11	19.66	Mar 14 1982
ANNUAL RUNOFF (CFSM)	.52		.62		.80	
ANNUAL RUNOFF (INCHES)	7.08		8.48		10.83	
10 PERCENT EXCEEDS	838		1200		1710	
50 PERCENT EXCEEDS	80		140		142	
90 PERCENT EXCEEDS	30		35		24	

e Estimated

04182010 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.
DRAINAGE AREA.--14.0 mi².
PERIOD OF RECORD.--October 1983 to current year.
GAGE.--Water-stage recorder. Datum of gage is 760.00 ft above sea level, (levels by City of Fort Wayne).
REMARKS.--Records good except for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 14, 1982 reached a stage of 10.75 ft, present site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	26	3.1	16	e4.2	15	4.6	9.6	4.3	14	4.1	3.8
2	3.0	9.4	2.6	e5.2	e4.2	8.8	5.5	6.1	6.9	8.7	4.1	3.5
3	3.0	4.9	2.4	e3.2	e4.1	6.4	5.0	4.9	6.2	7.0	15	3.1
4	2.4	20	2.6	e2.9	e3.6	5.3	4.7	5.9	3.8	7.6	19	3.2
5	2.2	21	7.0	e2.6	e3.3	8.6	3.9	8.6	3.5	7.2	33	3.1
6	3.0	36	12	e2.5	e2.9	12	3.7	5.4	3.4	6.6	9.5	3.3
7	3.4	8.9	105	e2.5	e2.7	242	3.6	4.2	4.4	5.7	12	24
8	4.0	5.5	20	e2.5	e2.6	69	39	4.0	15	5.1	37	17
9	14	25	23	e2.5	e2.5	26	175	21	4.4	4.5	11	5.2
10	5.1	22	15	e2.5	e2.5	18	330	19	16	4.2	7.4	3.4
11	3.6	8.0	9.5	e2.9	e2.2	14	56	11	5.4	4.1	5.5	2.8
12	3.2	5.3	6.5	22	e2.0	12	54	6.7	3.4	3.9	4.5	2.7
13	3.2	4.1	5.2	22	e1.9	10	24	5.1	2.8	3.9	4.0	2.6
14	3.3	3.8	4.4	19	e1.9	8.9	16	6.1	2.7	3.9	4.3	2.6
15	3.7	3.7	4.1	15	e3.0	7.9	12	4.6	2.8	280	11	2.6
16	3.5	3.4	16	8.9	e5.0	7.5	9.9	4.4	4.8	418	9.6	2.4
17	3.5	3.4	25	6.5	e5.8	6.3	9.3	10	2.8	36	19	2.4
18	3.6	3.1	10	8.2	7.4	5.6	25	10	2.5	18	9.8	2.4
19	9.8	3.2	6.7	47	8.9	5.2	13	24	2.6	13	5.3	2.5
20	5.9	3.2	5.5	144	8.2	18	12	6.8	2.6	12	4.7	2.9
21	5.3	5.8	4.9	42	7.0	18	28	4.5	2.6	9.3	4.5	3.0
22	4.8	5.7	4.3	18	5.8	8.9	14	3.7	2.7	31	3.9	4.0
23	4.4	3.9	3.9	e11	6.5	7.3	10	3.4	2.8	18	3.6	3.1
24	5.0	3.6	3.6	e9.4	7.2	6.2	8.8	44	25	8.0	3.5	2.6
25	5.8	3.6	3.3	e8.2	5.5	4.9	7.6	15	13	6.6	3.3	2.6
26	4.5	3.5	3.0	e7.2	5.1	4.2	6.8	7.7	156	6.0	3.2	2.7
27	4.8	17	3.2	e6.0	33	5.8	6.7	5.3	141	5.2	3.0	2.6
28	4.9	16	3.2	e5.2	37	7.1	6.0	59	29	4.1	3.0	2.8
29	5.2	5.1	3.2	e4.7	---	6.6	5.5	14	51	4.1	3.3	2.8
30	5.3	3.6	3.0	e4.4	---	6.3	15	7.4	24	4.0	3.4	3.0
31	6.9	---	5.3	e4.2	---	5.3	---	5.0	---	4.0	3.4	---
TOTAL	143.5	287.7	326.5	458.2	186.0	587.1	914.6	346.4	547.4	963.7	267.9	124.7
MEAN	4.63	9.59	10.5	14.8	6.64	18.9	30.5	11.2	18.2	31.1	8.64	4.16
MAX	14	36	105	144	37	242	330	59	156	418	37	24
MIN	2.2	3.1	2.4	2.5	1.9	4.2	3.6	3.4	2.5	3.9	3.0	2.4
CFSM	.33	.68	.75	1.06	.47	1.35	2.18	.80	1.30	2.22	.62	.30
IN.	.38	.76	.87	1.22	.49	1.56	2.43	.92	1.45	2.56	.71	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

MEAN	13.7	22.7	21.9	16.9	23.3	25.6	25.3	14.0	13.4	16.7	8.60	11.3
MAX	43.7	61.3	66.2	48.9	64.6	46.6	45.7	34.2	34.3	48.3	21.7	39.8
(WY)	1992	1993	1991	1993	1990	1984	1994	1984	1989	1986	1990	1993
MIN	2.79	9.59	3.03	3.76	5.32	11.4	8.56	4.15	2.16	3.85	4.10	3.94
(WY)	1988	1995	1990	1984	1989	1987	1986	1988	1988	1991	1984	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1984 - 1995	
ANNUAL TOTAL	5010.9		5153.7			
ANNUAL MEAN	13.7		14.1		17.7	
HIGHEST ANNUAL MEAN					25.6	1993
LOWEST ANNUAL MEAN					11.5	1987
HIGHEST DAILY MEAN	511	Apr 12	418	Jul 16	748	Feb 22 1990
LOWEST DAILY MEAN	1.1	Jan 15	1.9	Feb 13	.93	Jul 9 1990
ANNUAL SEVEN-DAY MINIMUM	1.1	Jan 15	2.2	Feb 8	1.1	Jan 15 1994
INSTANTANEOUS PEAK FLOW			1150	Jul 15	1370	Feb 22 1990
INSTANTANEOUS PEAK STAGE			10.60	Jul 15	10.68	Feb 22 1990
ANNUAL RUNOFF (CFSM)	.98		1.01		1.27	
ANNUAL RUNOFF (INCHES)	13.31		13.69		17.23	
10 PERCENT EXCEEDS	26		24		33	
50 PERCENT EXCEEDS	4.3		5.3		5.5	
90 PERCENT EXCEEDS	2.6		2.7		2.6	

e Estimated

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^2.
PERIOD OF RECORD.--December 1946 to September 1956 (high-water records only), October 1956 to current year.
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 724.51 ft above sea level. 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.--Records good except for estimated daily discharges, which are poor. Flow regulated by hydro-powerplant on the St. Joseph River 10.3 mi upstream from station. Flow slightly regulated by upstream reservoirs.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	254	253	446	e800	1900	575	1040	1640	6210	566	215
2	120	279	228	428	e900	1450	564	967	1420	5010	468	190
3	118	202	210	e390	e720	1190	545	892	1340	4490	538	177
4	116	195	209	e350	e620	1120	543	856	1570	3790	725	165
5	119	259	248	e320	e540	1110	531	863	1170	2730	1120	159
6	117	510	322	e300	e470	1050	532	813	996	1620	1310	158
7	119	336	1260	e280	e430	3010	505	769	927	1020	1570	329
8	121	282	1560	e265	e420	8900	841	895	1170	1020	1470	582
9	209	405	1440	e260	e410	8090	2970	878	2430	705	1740	324
10	160	567	1490	e265	e390	5990	10100	643	2190	651	1710	263
11	142	410	1470	e280	e370	5190	13500	873	3050	556	1400	216
12	131	341	1200	351	e350	4810	12700	917	3460	497	1280	210
13	120	314	1020	517	e330	4250	10900	945	3230	404	1160	195
14	119	290	970	1180	e320	3230	8630	998	2930	356	909	185
15	113	298	822	1900	e310	2570	6880	925	2370	1100	699	178
16	118	211	693	2480	e320	2040	5060	679	1730	1850	672	172
17	113	129	1100	1900	e335	1720	3520	718	1250	620	774	166
18	110	260	1590	1820	e365	1470	2810	730	862	472	914	170
19	134	266	1400	1840	432	1340	2410	969	612	464	2120	164
20	145	255	1410	4090	528	1160	2120	1520	470	358	1750	147
21	123	260	1230	6770	633	1230	2110	1310	437	333	1440	128
22	118	231	1100	5480	705	1440	3130	1230	303	390	846	139
23	125	208	915	3600	775	1230	2740	1440	270	506	702	142
24	389	198	742	2830	754	1100	2210	2230	539	425	470	167
25	178	185	593	2350	784	1030	2210	5280	927	359	430	145
26	117	177	553	e1850	739	899	2210	4500	1610	367	382	158
27	102	219	570	e1450	921	768	1860	3070	7020	596	278	156
28	284	457	446	e1150	1460	659	1450	2960	7160	892	272	148
29	187	328	430	e940	---	615	1200	3010	8830	768	282	148
30	127	272	412	e800	---	604	1100	2620	8860	730	254	145
31	128	---	408	e700	---	590	---	2060	---	696	213	---
TOTAL	4448	8598	26294	47582	16131	71755	106456	47600	70773	39985	28464	5841
MEAN	143	287	848	1535	576	2315	3549	1535	2359	1290	918	195
MAX	389	567	1590	6770	1460	8900	13500	5280	8860	6210	2120	582
MIN	102	129	209	260	310	590	505	643	270	333	213	128
CFSM	.07	.15	.43	.78	.29	1.18	1.80	.78	1.20	.66	.47	.10
IN.	.08	.16	.50	.90	.31	1.36	2.01	.90	1.34	.76	.54	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1995, BY WATER YEAR (WY)

MEAN	560	1274	2110	1901	2648	3738	3476	1760	1472	996	519	500
MAX	3087	6523	6292	7203	7649	11460	7955	4138	6480	3988	2119	2737
(WY)	1987	1993	1968	1993	1976	1982	1957	1983	1981	1992	1958	1992
MIN	62.3	102	96.4	119	161	1181	789	382	122	197	99.1	91.2
(WY)	1964	1965	1964	1963	1964	1981	1971	1988	1988	1964	1962	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1957 - 1995	
ANNUAL TOTAL	477053		473927			
ANNUAL MEAN	1307		1298		1740	
HIGHEST ANNUAL MEAN					2975	1993
LOWEST ANNUAL MEAN					669	1963
HIGHEST DAILY MEAN	15700	Apr 13	13500	Apr 11	26300	Mar 17 1982
LOWEST DAILY MEAN	102	Sep 22	102	Oct 27	48	Oct 6 1963
ANNUAL SEVEN-DAY MINIMUM	105	Sep 18	118	Oct 12	55	Oct 4 1963
INSTANTANEOUS PEAK FLOW			13800	Apr 11	26600	Mar 17 1982
INSTANTANEOUS PEAK STAGE			18.09	Apr 11	25.49	Mar 17 1982
ANNUAL RUNOFF (CFSM)	.66		.66		.88	
ANNUAL RUNOFF (INCHES)	9.02		8.96		12.02	
10 PERCENT EXCEEDS	3060		2990		4700	
50 PERCENT EXCEEDS	420		693		751	
90 PERCENT EXCEEDS	129		158		152	

e Estimated

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^2, of which 58.2 mi^2 does not contribute directly to surface runoff.
PERIOD OF RECORD.--January 1951 to current year.
REVISED RECORDS.--WSP 1915: 1952, 1956-59. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 680.04 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to June 26, 1956, nonrecording gage at same site and datum.
REMARKS.--Records good except above 300 ft^3/s (backwater) and for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	248	186	164	172	249	158	183	178	176	123	154
2	105	283	182	159	171	224	158	180	174	163	125	148
3	101	230	178	156	170	207	161	175	179	154	420	144
4	100	209	172	e147	172	197	159	174	174	148	636	140
5	100	222	e180	e138	165	193	155	170	167	149	570	136
6	99	416	e220	e130	e159	189	153	168	163	149	466	132
7	98	417	e330	e131	e154	256	148	159	159	141	366	133
8	103	326	377	e132	e149	387	147	159	155	137	307	142
9	130	297	324	e133	e142	312	190	163	152	134	276	138
10	127	327	309	e134	e138	268	353	172	148	126	263	132
11	121	286	275	e136	e134	246	477	184	145	122	240	130
12	118	254	245	150	e131	232	466	177	143	115	217	127
13	116	234	226	194	e128	224	415	171	140	108	203	124
14	114	231	212	282	e125	216	323	167	138	103	195	120
15	112	227	202	342	e128	209	262	158	133	102	199	118
16	113	214	199	288	e131	201	227	154	125	142	223	117
17	112	203	223	253	e138	195	221	154	115	269	412	115
18	114	195	231	232	145	190	218	154	113	209	438	114
19	123	186	221	236	161	186	221	152	115	187	372	113
20	121	182	210	298	183	184	211	147	112	176	301	112
21	118	183	201	278	203	181	220	143	104	169	259	113
22	117	177	195	247	198	176	222	139	106	161	231	117
23	116	171	191	226	199	173	210	138	102	201	210	116
24	115	167	187	213	203	168	202	176	102	194	201	115
25	113	165	182	203	197	163	196	229	104	179	190	114
26	113	163	178	195	193	160	192	216	120	167	183	112
27	112	175	174	189	222	163	190	199	153	157	175	110
28	112	234	172	185	274	171	184	200	171	151	170	108
29	111	218	166	177	---	169	181	206	200	144	168	107
30	109	199	163	174	---	166	183	193	192	134	164	108
31	116	---	163	173	---	162	---	185	---	129	159	---
TOTAL	3486	7039	6674	6095	4685	6417	6803	5345	4282	4796	8462	3709
MEAN	112	235	215	197	167	207	227	172	143	155	273	124
MAX	130	417	377	342	274	387	477	229	200	269	636	154
MIN	98	163	163	130	125	160	147	138	102	102	123	107
CFSM	.65	1.35	1.24	1.13	.96	1.19	1.30	.99	.82	.89	1.57	.71
IN.	.75	1.50	1.43	1.30	1.00	1.37	1.45	1.14	.92	1.03	1.81	.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	138	156	171	168	177	224	216	178	152	122	106	106
MAX	333	303	341	367	298	471	310	327	313	207	273	222
(WY)	1994	1991	1991	1991	1991	1982	1985	1983	1993	1981	1995	1993
MIN	70.1	67.3	77.5	78.0	76.3	112	112	98.4	84.0	64.2	63.1	64.4
(WY)	1954	1965	1961	1961	1963	1957	1987	1958	1971	1971	1964	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	62374		67793			
ANNUAL MEAN	171		186		159	
HIGHEST ANNUAL MEAN					245	1991
LOWEST ANNUAL MEAN					95.4	1964
HIGHEST DAILY MEAN	630	Jun 27	636	Aug 4	903	Mar 17 1982
LOWEST DAILY MEAN	79	Jan 23	98	Oct 7	44	Aug 4 1988
ANNUAL SEVEN-DAY MINIMUM	82	Jan 18	101	Oct 2	51	Sep 7 1964
INSTANTANEOUS PEAK FLOW			666	Aug 3	908	Mar 17 1982
INSTANTANEOUS PEAK STAGE			7.00	Aug 3	9.04	Jun 27 1968
ANNUAL RUNOFF (CFSM)	.98		1.07		.92	
ANNUAL RUNOFF (INCHES)	13.34		14.49		12.44	
10 PERCENT EXCEEDS	242		271		260	
50 PERCENT EXCEEDS	158		172		138	
90 PERCENT EXCEEDS	107		114		81	

e Estimated

05515500 KANKAKEE RIVER AT DAVIS, IN

LOCATION.--Lat 41°24'00", long 86°42'04", in SE¼/NE¼ 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 mi², of which 137 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--July 1905 to July 1906 and October 1924 to current year. Monthly discharge only for some periods, published in WSP 1308.
REVISED RECORDS.--WSP 1338: 1953. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 664.68 ft above sea level. 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.
REMARKS.--Records good except for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	614	592	550	e550	770	565	661	614	656	357	448
2	355	789	572	537	e540	703	558	649	591	564	341	434
3	345	722	561	518	e530	656	550	623	619	512	533	425
4	345	647	549	e490	e520	627	550	607	605	485	1050	416
5	344	660	538	e460	e510	610	538	602	574	486	1120	407
6	338	922	532	e440	e500	605	529	588	554	476	1040	398
7	334	1080	748	e420	e480	704	525	574	541	448	908	405
8	338	990	1040	e410	e470	1040	524	554	542	425	783	418
9	388	911	1010	e405	e460	1030	634	551	533	411	698	422
10	401	952	975	e410	e465	944	1020	578	523	401	655	410
11	386	923	906	e420	e450	891	1210	592	521	383	613	403
12	379	826	830	e460	e440	855	1250	582	506	373	571	396
13	372	763	767	564	e430	834	1220	563	489	356	534	390
14	366	748	718	713	e425	807	1140	558	475	347	508	383
15	360	743	684	928	e430	775	1040	543	463	340	498	378
16	355	703	666	893	e440	746	953	524	451	388	533	376
17	351	666	709	806	e460	713	876	523	435	513	816	377
18	350	634	747	752	e475	682	838	527	418	539	1030	367
19	377	608	720	734	514	660	847	538	411	476	1020	368
20	388	587	692	841	557	656	818	525	409	438	930	368
21	380	576	669	858	603	647	831	504	390	427	823	368
22	378	573	647	796	608	629	919	486	383	416	724	380
23	375	556	633	742	602	614	867	477	368	486	647	378
24	367	544	620	698	608	595	795	591	367	510	594	377
25	366	537	605	658	601	575	740	844	373	491	558	375
26	364	525	593	631	589	561	704	851	393	456	531	366
27	363	537	582	612	636	571	686	772	456	438	505	362
28	366	638	572	600	778	604	671	749	500	424	493	363
29	359	664	566	580	---	600	648	766	616	407	493	358
30	355	628	553	565	---	594	647	713	709	386	477	354
31	370	---	545	557	---	583	---	659	---	367	462	---
TOTAL	11275	21266	21141	19048	14671	21881	23693	18874	14829	13825	20845	11670
MEAN	364	709	682	614	524	706	790	609	494	446	672	389
MAX	401	1080	1040	928	778	1040	1250	851	709	656	1120	448
MIN	334	525	532	405	425	561	524	477	367	340	341	354
CFSM	.68	1.32	1.27	1.14	.98	1.31	1.47	1.13	.92	.83	1.25	.72
IN.	.78	1.47	1.46	1.32	1.02	1.52	1.64	1.31	1.03	.96	1.44	.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 1995, BY WATER YEAR (WY)

MEAN	413	479	524	548	581	719	746	628	520	417	357	350
MAX	1162	988	1190	1275	990	1376	1218	1067	1057	839	791	718
(WY)	1955	1991	1928	1993	1991	1985	1982	1983	1950	1950	1990	1972
MIN	198	230	236	235	236	325	420	296	248	205	174	179
(WY)	1964	1965	1964	1963	1964	1934	1987	1934	1934	1934	1941	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1926 - 1995	
ANNUAL TOTAL	211201		213018			
ANNUAL MEAN	579		584		523	
HIGHEST ANNUAL MEAN					823	1991
LOWEST ANNUAL MEAN					293	1964
HIGHEST DAILY MEAN	1350	Jun 28	1250	Apr 12	1920	Mar 20 1982
LOWEST DAILY MEAN	290	Jan 22	334	Oct 7	154	Aug 30 1941
ANNUAL SEVEN-DAY MINIMUM	304	Jan 18	343	Oct 2	156	Aug 28 1941
INSTANTANEOUS PEAK FLOW			1250	Apr 12	1920	Mar 20 1982
INSTANTANEOUS PEAK STAGE			11.81	Apr 12	13.52	Mar 5 1985
ANNUAL RUNOFF (CFSM)	1.08		1.09		.97	
ANNUAL RUNOFF (INCHES)	14.63		14.76		13.23	
10 PERCENT EXCEEDS	879		849		891	
50 PERCENT EXCEEDS	556		554		451	
90 PERCENT EXCEEDS	354		368		277	

e Estimated

05516500 YELLOW RIVER AT PLYMOUTH, IN

LOCATION.--Lat 41°20'25", long 86°18'16", in SE¼NW¼ 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 Seltenright (formerly Baker) Ditch, 8.1 mi upstream from Wolf Creek, and at mile 40.3.
DRAINAGE AREA.--294 mi^2, of which 22 mi^2 does not contribute directly to surface runoff.
PERIOD OF RECORD.--July 1948 to current year.
REVISED RECORDS.--WSP 1338: 1950-51. WSP 2115: Drainage area. WDR IN-73-1: 1972(M).
GAGE.--Water-stage recorder. Datum of gage is 764.78 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to Aug. 27, 1959, nonrecording gage at same site and datum.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	181	224	173	192	702	175	293	307	1410	83	66
2	56	237	202	164	198	396	169	282	278	1020	85	64
3	53	164	187	149	204	284	165	246	283	455	257	61
4	51	139	175	135	204	245	163	225	249	311	454	60
5	51	185	167	139	e162	228	153	225	223	385	383	59
6	49	524	169	e130	e152	238	154	212	208	311	254	57
7	48	741	589	e122	e143	571	151	203	195	238	231	68
8	54	502	1120	e120	e140	1220	152	194	228	198	206	70
9	62	377	1420	e118	e132	1620	397	198	200	178	159	63
10	63	674	1280	e118	e128	1550	1120	216	183	168	143	57
11	56	697	e1000	e120	e123	1200	1680	233	173	156	132	55
12	53	408	e740	147	e122	1040	2020	222	164	145	e120	53
13	50	306	e560	325	e121	869	2020	211	153	136	e112	52
14	51	280	e430	711	e122	e700	1690	220	147	128	e107	51
15	47	276	e350	992	e124	e600	1220	198	137	132	e100	47
16	57	250	e290	1030	e126	e500	791	178	131	438	e96	65
17	47	226	e305	649	133	e430	491	174	124	529	e213	67
18	44	208	e620	e450	143	e380	437	174	119	311	448	61
19	47	187	e480	e300	209	e330	505	181	114	208	425	58
20	50	175	e350	e560	298	e300	437	171	111	172	234	56
21	51	172	295	e1050	357	e260	460	158	105	156	168	57
22	51	165	268	e940	301	e230	585	148	98	143	140	56
23	50	150	250	e600	283	e210	441	147	89	134	119	53
24	49	144	236	e400	304	e190	350	730	90	129	106	51
25	50	141	222	e265	274	180	317	1260	105	123	99	50
26	59	136	209	e230	256	172	288	1570	209	117	91	48
27	50	149	198	e200	334	177	271	1410	633	111	84	47
28	51	358	193	e190	696	203	253	1060	973	103	78	44
29	53	458	180	e182	---	202	233	835	1220	99	76	43
30	51	282	168	e180	---	196	244	583	1430	92	74	39
31	68	---	166	e180	---	186	---	396	---	87	70	---
TOTAL	1629	8892	13043	11069	5981	15609	17532	12553	8679	8323	5347	1678
MEAN	52.5	296	421	357	214	504	584	405	289	268	172	55.9
MAX	68	741	1420	1050	696	1620	2020	1570	1430	1410	454	70
MIN	44	136	166	118	121	172	151	147	89	87	70	39
CFSM	.18	1.01	1.43	1.21	.73	1.71	1.99	1.38	.98	.91	.59	.19
IN.	.21	1.13	1.65	1.40	.76	1.98	2.22	1.59	1.10	1.05	.68	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	155	195	277	308	370	537	501	283	237	162	109	94.0
MAX	1583	689	733	1244	1007	1586	1190	811	719	664	494	536
(WY)	1955	1993	1983	1993	1959	1982	1950	1981	1975	1951	1958	1972
MIN	23.7	20.9	30.4	26.5	35.7	79.5	99.8	65.4	51.2	39.4	31.2	22.4
(WY)	1965	1965	1954	1963	1963	1957	1971	1958	1988	1988	1949	1949

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	95712		110335			
ANNUAL MEAN	262		302		268	
HIGHEST ANNUAL MEAN					453	1993
LOWEST ANNUAL MEAN					119	1957
HIGHEST DAILY MEAN	1790	Jun 28	2020	Apr 12	5310	Oct 13 1954
LOWEST DAILY MEAN	44	Oct 18	39	Sep 30	13	Dec 3 1964
ANNUAL SEVEN-DAY MINIMUM	49	Oct 17	46	Sep 24	15	Dec 2 1964
INSTANTANEOUS PEAK FLOW			2080	Apr 12	5390	Oct 12 1954
INSTANTANEOUS PEAK STAGE			11.86	Apr 12	17.13	Oct 12 1954
ANNUAL RUNOFF (CFSM)	.89		1.03		.91	
ANNUAL RUNOFF (INCHES)	12.11		13.96		12.41	
10 PERCENT EXCEEDS	625		701		675	
50 PERCENT EXCEEDS	175		185		130	
90 PERCENT EXCEEDS	61		56		38	

e Estimated

05517000 YELLOW RIVER AT KNOX, IN

LOCATION.--Lat 41°18'10", long 86°37'14", in SW¹/₄SW¹/₄ 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 mi², of which 51 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--August 1905 to July 1906, August 1943 to current year.
REVISED RECORDS.--WSP 1278: 1952. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 679.93 ft above sea level (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.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	191	415	308	348	823	333	470	652	1290	163	150
2	140	310	350	305	346	805	320	503	557	1400	168	144
3	138	334	325	e300	350	554	310	473	571	1200	253	138
4	134	275	306	e290	351	442	303	431	527	683	468	136
5	138	267	290	e280	e330	400	296	414	467	543	607	133
6	139	413	284	e270	e325	386	288	404	425	552	527	131
7	133	698	411	e260	e320	504	286	384	416	464	379	131
8	132	788	828	e250	e315	997	293	365	444	380	350	145
9	147	667	1040	e243	e310	1240	369	354	442	333	309	144
10	154	682	1280	e240	e300	1510	798	368	405	309	268	141
11	150	812	1360	e243	e295	1600	1320	389	375	289	243	140
12	144	805	1180	261	e280	1410	1640	399	353	273	220	131
13	140	572	841	321	e270	1090	1880	381	333	258	204	127
14	136	477	593	607	e260	857	1970	389	314	247	195	126
15	134	443	498	926	e250	710	1810	388	300	228	184	124
16	133	423	452	1050	e250	618	1490	352	286	313	182	120
17	139	388	476	1110	e250	553	1050	333	275	648	185	132
18	132	355	624	858	253	502	782	330	263	664	298	135
19	131	329	700	650	269	465	738	341	255	446	478	131
20	133	305	608	789	351	435	745	339	249	335	480	130
21	134	295	519	1010	449	424	729	313	242	293	332	130
22	134	291	464	1130	496	405	754	292	243	271	267	135
23	131	282	431	e920	440	380	785	280	227	251	220	131
24	129	267	412	e640	433	363	671	587	218	235	193	128
25	129	258	393	e540	442	346	590	1210	213	230	175	125
26	130	253	372	e480	413	332	544	1370	232	216	168	124
27	134	255	352	e410	426	325	514	1550	426	207	160	124
28	133	315	342	e380	581	342	488	1610	755	197	155	121
29	131	527	331	e350	---	361	456	1390	963	188	153	116
30	131	560	311	e340	---	354	445	1080	1140	184	153	115
31	138	---	301	e330	---	345	---	840	---	176	153	---
TOTAL	4224	12837	17089	16091	9703	19878	22997	18329	12568	13303	8290	3938
MEAN	136	428	551	519	347	641	767	591	419	429	267	131
MAX	154	812	1360	1130	581	1600	1970	1610	1140	1400	607	150
MIN	129	191	284	240	250	325	286	280	213	176	153	115
CFSM	.31	.98	1.27	1.19	.80	1.47	1.76	1.36	.96	.99	.61	.30
IN.	.36	1.10	1.46	1.38	.83	1.70	1.97	1.57	1.07	1.14	.71	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	262	304	397	448	514	727	724	491	396	271	203	180
MAX	1939	883	1070	1580	1193	2127	1714	1113	1113	737	652	692
(WY)	1955	1973	1967	1993	1959	1982	1950	1981	1975	1951	1958	1972
MIN	77.5	83.3	91.6	71.3	107	194	243	169	146	115	93.6	75.9
(WY)	1965	1965	1964	1963	1963	1957	1958	1958	1988	1971	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	146418		159247			
ANNUAL MEAN	401		436		409	
HIGHEST ANNUAL MEAN					661	1950
LOWEST ANNUAL MEAN					180	1964
HIGHEST DAILY MEAN	1720	Jun 30	1970	Apr 14	5600	Oct 15 1954
LOWEST DAILY MEAN	129	Oct 24	115	Sep 30	50	Jan 21 1963
ANNUAL SEVEN-DAY MINIMUM	131	Oct 23	122	Sep 24	50	Jan 21 1963
INSTANTANEOUS PEAK FLOW			1980	Apr 14	5660	Oct 15 1954
INSTANTANEOUS PEAK STAGE			8.52	Apr 14	13.75	Oct 15 1954
ANNUAL RUNOFF (CFSM)	.92		1.00		.94	
ANNUAL RUNOFF (INCHES)	12.52		13.62		12.78	
10 PERCENT EXCEEDS	808		847		882	
50 PERCENT EXCEEDS	325		333		265	
90 PERCENT EXCEEDS	141		134		112	

e Estimated

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^2, of which 192 mi^2 does not contribute directly to surface runoff.
PERIOD OF RECORD.--July 1948 to current year.
REVISED RECORDS.--WSP 1728: 1954(m). WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 649.65 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 17, 1956, nonrecording gage at same site and datum.
REMARKS.--Records good except for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687	905	1520	1400	1480	1770	1440	1720	2390	2140	717	815
2	678	1230	1450	1360	1470	1840	1410	1710	2070	2250	697	782
3	660	1370	1410	1290	1460	1770	1380	1670	1930	2220	906	758
4	659	1350	1380	e1220	1450	1630	1360	1620	1860	2020	1600	739
5	667	1380	1370	e1170	1410	1550	1330	1580	1760	1720	1980	723
6	667	1580	1360	e1130	1330	1500	1310	1540	1660	1560	2120	707
7	660	1900	1550	e1100	e1300	1590	1290	1490	1580	1440	2030	704
8	664	2070	1970	e1080	e1270	2000	1290	1450	1560	1310	1820	731
9	737	2100	2270	e1070	e1240	2350	1430	1420	1590	1220	1620	746
10	777	2170	2410	e1070	e1250	2520	1920	1450	1540	1170	1460	729
11	771	2230	2550	e1080	e1200	2660	2520	1490	1490	1110	1350	711
12	750	2250	2570	e1160	e1170	2750	3000	1480	1430	1040	1250	698
13	730	2140	2490	1330	e1140	2720	3250	1460	1350	984	1160	691
14	716	1990	2260	1590	e1120	2570	3400	1510	1300	927	1080	677
15	709	1910	2040	1980	e1130	2380	3510	1500	1250	881	1020	670
16	700	1840	1940	2210	e1140	2210	3540	1440	1210	911	1010	659
17	691	1770	1900	2270	e1160	2060	3400	1400	1150	1140	1090	663
18	678	1690	1920	2250	e1180	1970	3170	1380	1110	1370	1340	662
19	698	1600	1960	2130	1220	1880	2860	1390	1070	1320	1540	658
20	724	1530	1940	2100	1310	1820	2600	1390	1040	1150	1640	660
21	711	1480	1870	2190	1410	1770	2490	1330	1010	1070	1540	650
22	692	1430	1790	2270	1460	1710	2460	1260	1010	995	1370	668
23	690	1360	1720	2270	1480	1650	2440	1220	1010	978	1230	648
24	683	1330	1670	2150	1470	1590	2390	1610	960	1020	1120	644
25	680	1300	1620	1950	1460	1520	2230	2280	965	1010	1050	643
26	686	1270	1580	1820	1440	1470	2090	2710	987	980	992	654
27	680	1270	1550	1740	1480	1450	1980	2860	1120	933	935	644
28	671	1370	1510	1670	1600	1470	1880	2970	1380	892	896	637
29	666	1480	1470	1580	---	1490	1790	3030	1610	847	887	633
30	668	1580	1430	1520	---	1480	1740	2960	1870	792	875	538
31	685	---	1410	1490	---	1470	---	2730	---	749	843	---
TOTAL	21535	48875	55880	50640	37230	58610	66900	55050	42262	38149	39168	20542
MEAN	695	1629	1803	1634	1330	1891	2230	1776	1409	1231	1263	685
MAX	777	2250	2570	2270	1600	2750	3540	3030	2390	2250	2120	815
MIN	659	905	1360	1070	1120	1450	1290	1220	960	749	697	538
CFSM	.51	1.21	1.33	1.21	.98	1.40	1.65	1.31	1.04	.91	.93	.51
IN.	.59	1.34	1.54	1.39	1.02	1.61	1.84	1.51	1.16	1.05	1.08	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	955	1154	1390	1482	1574	2076	2232	1738	1396	1057	822	744
MAX	3378	2562	2816	3845	2874	4229	4376	3231	3167	1938	2316	1924
(WY)	1955	1973	1983	1991	1968	1985	1950	1983	1981	1950	1990	1993
MIN	350	398	447	449	391	719	1082	767	657	419	371	360
(WY)	1964	1965	1964	1963	1963	1957	1958	1958	1988	1988	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	530333		534841			
ANNUAL MEAN	1453		1465		1384	
HIGHEST ANNUAL MEAN					2161	1991
LOWEST ANNUAL MEAN					618	1964
HIGHEST DAILY MEAN	3030	Jul 1	3540	Apr 16	5850	Mar 23 1982
LOWEST DAILY MEAN	594	Sep 24	538	Sep 30	280	Jan 25 1963
ANNUAL SEVEN-DAY MINIMUM	665	Oct 2	628	Sep 24	283	Jan 24 1963
INSTANTANEOUS PEAK FLOW			3550	Apr 15	5870	Mar 23 1982
INSTANTANEOUS PEAK STAGE			10.54	Apr 15	13.38	Mar 23 1982
ANNUAL RUNOFF (CFSM)	1.07		1.08		1.02	
ANNUAL RUNOFF (INCHES)	14.59		14.72		13.90	
10 PERCENT EXCEEDS	2330		2270		2630	
50 PERCENT EXCEEDS	1430		1420		1150	
90 PERCENT EXCEEDS	734		691		532	

e Estimated

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 mi², of which 194 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1974 to current year.
REVISED RECORDS.--WDR IN-77-1: 1975(M).
GAGE.--Water-stage recorder. Datum of gage is 645.00 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	684	891	1510	1410	1500	1730	1440	1780	2460	2150	767	744
2	708	1170	1490	1370	1480	1820	1410	1750	2200	2280	748	740
3	666	1320	1450	1330	1450	1770	1390	1690	2030	2290	1030	741
4	675	1330	1400	e1260	1460	1650	1380	1650	2080	2120	1840	725
5	704	1370	1380	e1200	1430	1540	1360	1630	1980	1800	2190	707
6	707	1580	1400	e1160	1370	1470	1340	1570	1820	1590	2270	691
7	700	1880	1620	e1120	e1320	1610	1320	1500	1730	1460	2210	683
8	701	2110	2070	e1100	e1280	2050	1290	1460	1700	1350	1950	712
9	765	2130	2340	e1090	e1260	2360	1430	1430	1760	1310	1690	742
10	808	2210	2430	e1090	e1270	2480	1960	1450	1650	1230	1490	661
11	806	2260	2570	e1110	e1240	2610	2560	1480	1620	1160	1350	640
12	776	2280	2580	e1190	e1200	2720	3080	1470	1570	1120	1250	623
13	739	2170	2510	1330	e1170	2710	3270	1490	1440	1060	1180	642
14	715	1990	2320	1620	e1140	2580	3340	1640	1400	976	1050	664
15	709	1900	2090	2100	e1160	2420	3410	1640	1390	910	1000	648
16	701	1830	2000	2320	e1180	2280	3460	1550	1360	904	1010	605
17	699	1770	1930	2350	e1200	2130	3350	1490	1250	1110	1080	586
18	680	1720	1970	2320	e1220	2020	3200	1470	e1170	1340	1290	610
19	700	1580	2020	2240	1240	1920	2970	1490	e1120	1320	1500	609
20	735	1500	1980	2210	1320	1830	2720	1460	e1080	1190	1650	619
21	744	1470	1900	2250	1380	1780	2640	1390	e1060	1090	1580	603
22	712	1410	1810	2320	1420	1710	2600	1330	1040	978	1410	672
23	725	1360	1740	2280	1470	1670	2560	1300	1040	986	1240	621
24	704	1380	1680	2180	1500	1600	2530	1710	983	1070	1120	624
25	667	1340	1650	1990	1470	1500	2420	2410	1010	1040	1040	645
26	677	1290	1640	1880	1410	1460	2290	2760	1050	990	1010	640
27	668	1290	1600	1780	1480	1460	2170	2850	1180	981	873	606
28	694	1380	1580	1700	1600	1460	2030	2960	1450	958	838	558
29	647	1460	1530	1580	---	1470	1870	2970	1660	935	855	577
30	659	1580	1460	1510	---	1460	1840	2910	1870	843	844	493
31	722	---	1440	1510	---	1450	---	2730	---	800	772	---
TOTAL	21997	40951	57090	51900	37620	58720	68630	56410	45153	39341	40127	19431
MEAN	710	1632	1842	1674	1344	1894	2288	1820	1505	1269	1294	648
MAX	808	2280	2580	2350	1600	2720	3460	2970	2460	2290	2270	744
MIN	647	891	1380	1090	1140	1450	1290	1300	983	800	748	493
CFSM	.52	1.19	1.34	1.22	.98	1.38	1.66	1.32	1.09	.92	.94	.47
IN.	.59	1.32	1.54	1.40	1.02	1.59	1.86	1.53	1.22	1.06	1.08	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1995, BY WATER YEAR (WY)

MEAN	1053	1327	1668	1564	1623	2396	2532	1861	1626	1137	919	866
MAX	2770	2392	2889	3787	2614	4613	4229	3255	3172	1828	2432	2014
(WY)	1991	1991	1991	1991	1991	1985	1985	1983	1981	1981	1990	1993
MIN	477	542	704	634	718	1423	1144	1113	619	411	398	479
(WY)	1979	1979	1979	1977	1978	1987	1987	1992	1988	1988	1988	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1975 - 1995	
ANNUAL TOTAL	529136		545370			
ANNUAL MEAN	1450		1494		1547	
HIGHEST ANNUAL MEAN					2160	1991
LOWEST ANNUAL MEAN					1131	1977
HIGHEST DAILY MEAN	2930	Apr 17	3460	Apr 16	6410	Mar 24 1982
LOWEST DAILY MEAN	612	Sep 24	493	Sep 30	292	Aug 5 1988
ANNUAL SEVEN-DAY MINIMUM	674	Oct 24	592	Sep 24	309	Aug 3 1988
INSTANTANEOUS PEAK FLOW			3480	Apr 15	6420	Mar 24 1982
INSTANTANEOUS PEAK STAGE			11.19	Apr 15	14.52	Mar 24 1982
ANNUAL RUNOFF (CFSM)	1.05		1.09		1.12	
ANNUAL RUNOFF (INCHES)	14.31		14.74		15.27	
10 PERCENT EXCEEDS	2330		2330		2880	
50 PERCENT EXCEEDS	1420		1450		1320	
90 PERCENT EXCEEDS	749		701		609	

e Estimated

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 mi².
PERIOD OF RECORD.--July 1968 to current year. Prior to October 1971, published as State Ditch near Kouts.
GAGE.--Water-stage recorder. Datum of gage is 652.00 ft above sea level (Indiana Department of Highways bench mark). Prior to Oct. 19, 1978, water-stage recorder at site 1.4 mi downstream at same datum.
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	66	30	23	25	27	23	29	33	29	16	16
2	15	42	28	23	25	24	23	26	31	26	16	15
3	15	29	27	22	24	21	22	24	31	24	33	15
4	15	27	25	e21	e23	20	22	24	29	29	36	15
5	15	37	25	e20	e22	20	22	24	28	31	26	15
6	15	78	25	e19	e21	20	21	23	28	26	24	15
7	15	43	165	e18	e20	98	21	23	28	24	22	15
8	16	35	83	e18	e19	91	22	22	27	23	21	15
9	19	40	68	e18	e18	49	104	24	27	23	20	15
10	16	55	59	e19	e18	38	169	24	28	23	20	15
11	16	39	48	20	e18	35	140	24	27	22	19	15
12	16	33	41	23	e18	35	283	23	25	20	18	15
13	16	30	36	33	e18	41	105	24	24	19	18	15
14	15	32	33	176	e19	38	71	25	23	18	17	14
15	15	33	30	103	20	35	56	24	22	18	17	14
16	16	30	30	64	19	30	48	23	22	30	23	14
17	15	28	38	51	19	28	42	23	20	23	27	15
18	16	27	37	44	19	27	55	25	19	21	22	15
19	18	26	33	65	19	27	48	25	18	20	21	15
20	16	25	30	98	19	25	38	24	18	20	20	14
21	16	25	29	54	19	25	50	23	19	20	19	14
22	16	24	28	43	18	23	42	23	18	21	19	14
23	16	24	27	38	18	23	35	23	18	21	18	14
24	16	23	26	34	18	23	31	62	19	22	18	14
25	17	23	26	31	18	22	29	73	20	21	18	14
26	17	22	26	29	18	23	28	48	20	20	17	14
27	17	36	25	28	30	24	30	40	21	20	17	14
28	17	81	24	27	38	28	29	77	28	20	17	14
29	17	42	24	26	---	26	27	54	35	19	17	14
30	17	34	23	25	---	25	27	42	35	17	17	14
31	22	---	23	25	---	24	---	36	---	17	16	---
TOTAL	503	1089	1172	1238	580	995	1663	984	741	687	629	437
MEAN	16.2	36.3	37.8	39.9	20.7	32.1	55.4	31.7	24.7	22.2	20.3	14.6
MAX	22	81	165	176	38	98	283	77	35	31	36	16
MIN	15	22	23	18	18	20	21	22	18	17	16	14
CFSM	.54	1.20	1.25	1.32	.68	1.06	1.83	1.05	.82	.73	.67	.48
IN.	.62	1.34	1.44	1.52	.71	1.22	2.04	1.21	.91	.84	.77	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	22.4	32.6	34.6	33.7	39.0	54.5	51.8	41.2	35.3	25.5	21.4	19.3
MAX	67.8	112	88.9	86.8	79.3	142	103	89.4	95.4	71.5	99.0	60.6
(WY)	1991	1986	1991	1993	1976	1982	1975	1974	1981	1983	1990	1993
MIN	11.5	11.0	14.4	11.0	10.6	18.0	20.8	14.9	14.6	12.0	10.8	12.0
(WY)	1981	1981	1990	1977	1978	1981	1986	1980	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	10474		10718			
ANNUAL MEAN	28.7		29.4		34.2	
HIGHEST ANNUAL MEAN					53.1	1991
LOWEST ANNUAL MEAN					19.3	1977
HIGHEST DAILY MEAN	165	Dec 7	283	Apr 12	955	Nov 28 1990
LOWEST DAILY MEAN	14	Sep 14	14	Sep 14	8.9	Sep 11 1977
ANNUAL SEVEN-DAY MINIMUM	14	Sep 17	14	Sep 20	9.5	Feb 24 1978
INSTANTANEOUS PEAK FLOW			426	Apr 12	1160	Nov 28 1990
INSTANTANEOUS PEAK STAGE			11.93	Apr 12	17.95	Mar 29 1985
ANNUAL RUNOFF (CFSM)	.95		.97		1.13	
ANNUAL RUNOFF (INCHES)	12.86		13.16		15.34	
10 PERCENT EXCEEDS	44		43		59	
50 PERCENT EXCEEDS	24		23		22	
90 PERCENT EXCEEDS	16		15		14	

e Estimated

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 mi², of which 201 mi² does not contribute directly to surface runoff.
PERIOD OF RECORD.--October 1922 to current year. Monthly discharge only for some periods, published in WSP 1308.
REVISED RECORDS.--WSP 1005: 1928(M). WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 628.13 ft above sea level. 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.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	791	1030	1960	1960	2020	2090	1860	2530	3640	2160	842	958
2	806	1380	1900	1900	2000	2170	1830	2470	3330	2360	810	914
3	786	1540	1870	1850	1970	2200	1800	2390	3140	2460	1350	912
4	759	1600	1820	1710	1950	2140	1780	2310	2920	2450	2840	902
5	779	1660	1790	e1600	1900	2040	1750	2250	2700	2290	3230	884
6	785	1980	1800	e1530	1830	1960	1740	2180	2520	2000	3170	862
7	790	2230	2140	e1470	e1790	2030	1700	2100	2380	1750	3030	872
8	794	2380	2640	e1430	e1770	2510	1690	2030	2230	1590	2820	916
9	843	2500	2860	e1400	e1790	2730	1810	1990	2200	1490	2500	938
10	867	2680	3000	e1400	e1800	2900	2480	1990	2170	1460	2230	905
11	874	2760	3070	e1460	e1620	3010	3280	2040	2090	1350	1980	861
12	868	2770	3140	e1560	e1360	3120	3960	2050	2030	1250	1760	830
13	833	2720	3130	e1800	e1250	3200	4380	2030	1930	1210	1580	832
14	812	2630	3050	e2100	e1430	3190	4400	2130	1820	1090	1460	867
15	799	2530	2910	e2600	e1560	3090	4400	2200	1770	1020	1330	851
16	787	2420	2770	2890	e1600	2970	4390	2160	1720	979	1280	828
17	785	2320	2710	2940	e1580	2800	4360	2060	1630	1050	1310	783
18	777	2250	2670	2930	e1550	2640	4330	2000	1510	1230	1430	797
19	776	2140	2670	2920	e1590	2520	4240	2020	1430	1360	1610	799
20	785	2020	2640	3010	1660	2400	4080	2020	1320	1270	1770	818
21	805	1960	2580	3000	1720	2320	3880	1930	1260	1230	1800	795
22	786	1890	2510	2960	1750	2230	3790	1830	1210	1090	1690	819
23	782	1800	2430	2930	1790	2160	3630	1720	1210	1070	1540	839
24	784	1780	2340	2850	1820	2090	3510	2260	1160	1160	1420	806
25	748	1770	2270	2690	1830	1980	3390	3310	1150	1220	1300	820
26	745	1690	2260	2540	1790	1900	3250	3680	1180	1150	1250	811
27	739	1690	2180	2420	1860	1900	3100	3790	1240	1070	1160	813
28	748	1890	2150	2320	2010	1920	2940	3960	1470	1050	1080	765
29	741	1920	2110	2190	---	1910	2740	4170	1790	1010	1050	741
30	722	1950	2020	2090	---	1910	2590	4090	1950	944	1060	743
31	774	---	1980	2030	---	1870	---	3910	---	891	1010	---
TOTAL	24470	61880	75370	68480	48590	73900	93080	77600	58100	43704	52692	25281
MEAN	789	2063	2431	2209	1735	2384	3103	2503	1937	1410	1700	843
MAX	874	2770	3140	3010	2020	3200	4400	4170	3640	2460	3230	958
MIN	722	1030	1790	1400	1250	1870	1690	1720	1150	891	810	741
CFSM	.44	1.16	1.37	1.24	.98	1.34	1.74	1.41	1.09	.79	.96	.47
IN.	.51	1.29	1.58	1.43	1.02	1.55	1.95	1.62	1.21	.91	1.10	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

MEAN	1081	1345	1637	1823	1950	2536	2786	2284	1760	1239	945	876
MAX	3529	3413	4502	4867	3658	5570	5365	4409	4347	2478	3058	2843
(WY)	1991	1973	1928	1991	1950	1985	1982	1943	1981	1981	1990	1993
MIN	455	519	540	460	462	848	1226	789	569	441	402	356
(WY)	1954	1954	1964	1940	1963	1934	1925	1934	1934	1988	1988	1941

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1924 - 1995	
ANNUAL TOTAL	675934		703147			
ANNUAL MEAN	1852		1926		1687	
HIGHEST ANNUAL MEAN					2767	1993
LOWEST ANNUAL MEAN					775	1964
HIGHEST DAILY MEAN	3520	Jun 16	4400	Apr 14	7650	Mar 26 1982
LOWEST DAILY MEAN	722	Oct 30	722	Oct 30	260	Jan 13 1954
ANNUAL SEVEN-DAY MINIMUM	745	Oct 25	745	Oct 25	298	Aug 2 1988
INSTANTANEOUS PEAK FLOW			4430	Apr 15	7650	Mar 26 1982
INSTANTANEOUS PEAK STAGE			10.45	Apr 15	12.98	Mar 24 1982
ANNUAL RUNOFF (CFSM)	1.04		1.08		.95	
ANNUAL RUNOFF (INCHES)	14.13		14.70		12.88	
10 PERCENT EXCEEDS	2950		3060		3340	
50 PERCENT EXCEEDS	1870		1870		1350	
90 PERCENT EXCEEDS	853		813		629	

e Estimated

05519000 SINGLETON DITCH AT SCHNEIDER, IN

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.
DRAINAGE AREA.--123 mi^2.
PERIOD OF RECORD.--July 1948 to current year.
REVISED RECORDS.--WSP 1915: 1956-59. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 623.67 ft above sea level. 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.
REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	96	146	92	e90	129	116	129	e140	e112	25	28
2	27	94	129	85	e88	111	108	128	e135	e92	21	27
3	27	77	116	e81	e86	101	105	121	e139	e94	68	27
4	27	74	106	e78	e83	96	102	117	e126	e103	122	27
5	27	81	101	e76	e80	94	96	115	e121	e100	86	26
6	27	162	97	e75	e79	93	94	111	e120	e64	67	25
7	28	127	529	e73	e78	306	88	104	e120	e55	60	27
8	32	102	465	e72	e84	462	87	e98	e119	50	57	29
9	36	103	341	e71	e92	302	406	e100	e118	49	54	27
10	30	169	320	e70	e72	231	985	e109	e125	56	64	26
11	29	131	258	e68	e69	176	942	e109	e115	48	55	26
12	29	111	181	e67	e68	174	1180	e100	e109	45	48	28
13	28	100	155	127	e69	167	783	e98	e104	39	43	27
14	27	99	139	654	e70	163	526	e110	e101	33	42	27
15	28	102	130	682	e70	150	378	e102	e100	33	43	26
16	28	97	125	435	e72	144	277	e100	e99	31	40	26
17	28	90	155	319	74	134	240	e102	e93	29	51	26
18	28	86	163	259	74	127	248	e109	e92	29	44	26
19	29	82	150	299	75	121	248	e110	e90	26	41	26
20	29	78	136	563	75	121	210	e108	e86	26	44	26
21	29	87	130	367	75	122	219	e100	e90	27	39	27
22	29	98	123	280	74	114	209	e94	e86	26	36	27
23	29	88	118	238	73	111	187	83	e86	28	34	27
24	29	82	113	e190	71	106	174	163	e92	29	33	27
25	29	78	110	e135	69	102	161	355	e94	28	32	27
26	29	74	106	e122	68	98	154	291	e96	26	30	27
27	28	104	102	e114	115	108	158	e300	e98	26	30	28
28	28	335	100	e108	159	156	150	e340	e103	32	30	28
29	28	214	95	e102	---	140	139	200	e115	29	32	27
30	28	168	93	e98	---	130	126	181	e136	26	30	27
31	33	---	92	e94	---	123	---	153	---	26	29	---
TOTAL	890	3389	5124	6094	2252	4712	8896	4440	3248	1417	1430	805
MEAN	28.7	113	165	197	80.4	152	297	143	108	45.7	46.1	26.8
MAX	36	335	529	682	159	462	1180	355	140	112	122	29
MIN	27	74	92	67	68	93	87	83	86	26	21	25
CFSM	.23	.92	1.34	1.60	.65	1.24	2.41	1.16	.88	.37	.38	.22
IN.	.27	1.02	1.55	1.84	.68	1.43	2.69	1.34	.98	.43	.43	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	61.6	88.8	117	127	148	211	215	143	114	66.0	44.4	46.2
MAX	295	471	457	475	486	634	477	421	463	275	237	308
(WY)	1994	1986	1991	1993	1959	1982	1950	1974	1989	1981	1990	1993
MIN	7.54	11.8	8.13	17.5	15.6	34.3	48.6	30.6	26.3	10.6	7.09	7.78
(WY)	1964	1957	1964	1977	1964	1957	1963	1958	1988	1988	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	39658		42697			
ANNUAL MEAN	109		117		115	
HIGHEST ANNUAL MEAN					227	1993
LOWEST ANNUAL MEAN					24.0	1964
HIGHEST DAILY MEAN	999	Jun 14	1180	Apr 12	2990	Mar 5 1976
LOWEST DAILY MEAN	24	Sep 19	21	Aug 2	3.6	Sep 7 1964
ANNUAL SEVEN-DAY MINIMUM	25	Sep 15	26	Sep 14	3.8	Sep 4 1964
INSTANTANEOUS PEAK FLOW			1340	Apr 12	3550	Mar 5 1976
INSTANTANEOUS PEAK STAGE			8.63	Apr 12	12.54	Nov 28 1990
ANNUAL RUNOFF (CFSM)	.88		.95		.93	
ANNUAL RUNOFF (INCHES)	11.99		12.91		12.68	
10 PERCENT EXCEEDS	194		216		255	
50 PERCENT EXCEEDS	87		94		61	
90 PERCENT EXCEEDS	29		27		18	

e Estimated

05521000 IROQUOIS RIVER AT ROSEBUD, IN

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.
DRAINAGE AREA.--35.6 mi².
PERIOD OF RECORD.--July 1948 to current year.
REVISED RECORDS.--WSP 1338: 1950-53. WSP 1728: 1959-60(M). WSP 1915: 1949-60. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 661.47 ft above sea level (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.
REMARKS.--Records fair, except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.8	e13	19	18	23	17	25	37	52	e45	e6.8	4.0
2	e5.2	e10	19	e16	24	16	23	35	47	e35	e9.0	3.9
3	e5.1	e8.0	19	e16	24	16	22	32	48	e30	e14	3.7
4	e5.2	e9.0	18	e15	e21	15	22	31	43	e26	e22	3.5
5	e5.2	e17	18	e14	e20	17	20	29	39	e23	e18	3.2
6	e5.2	e28	19	e14	e18	17	19	29	42	e21	e16	3.4
7	e5.2	e22	80	e13	e17	83	18	29	69	e19	e14	5.1
8	e5.6	e15	59	e13	e17	84	47	29	46	e17	e12	5.9
9	e6.6	e22	49	e13	e16	53	101	31	39	e15	e11	4.4
10	e5.8	e36	44	e13	e18	43	178	44	38	e14	e10	4.0
11	e5.4	e26	35	e15	e16	42	160	59	34	e12	e9.0	3.9
12	e5.2	e22	30	21	e14	40	207	44	31	e11	e8.2	4.7
13	e5.2	e20	27	30	e13	37	119	41	29	e10	e7.8	4.2
14	e5.2	e22	25	75	e12	34	85	129	28	e9.4	e7.4	3.9
15	e5.2	e23	24	61	e12	32	67	72	26	e8.6	e7.2	4.2
16	e5.2	e22	25	43	e13	30	56	53	24	e10	e7.0	4.5
17	e5.2	e19	35	36	e13	28	48	59	23	e12	e6.9	4.2
18	e5.6	e18	32	34	e14	26	73	83	22	e11	6.5	4.1
19	e6.6	17	28	50	15	26	59	134	21	e9.0	6.4	4.5
20	e6.0	17	26	68	15	25	49	83	21	e8.0	6.3	4.5
21	e5.6	18	24	45	14	24	58	61	20	e10	5.7	4.7
22	e5.2	16	23	34	14	23	50	50	20	e8.6	5.4	4.5
23	e5.0	14	22	e30	14	23	43	42	19	e7.4	5.2	4.3
24	e5.2	14	21	e28	13	21	41	254	19	e9.0	4.8	4.3
25	e5.3	14	21	e26	13	20	39	239	20	e10	4.7	4.3
26	e5.3	14	20	e24	15	20	37	139	19	e9.8	4.7	4.2
27	e5.2	20	21	e23	18	25	37	100	19	e9.0	4.4	4.2
28	e5.2	28	20	e21	18	32	33	155	37	e8.4	4.5	4.2
29	e5.2	21	18	e20	---	29	33	105	e78	e8.0	4.7	4.1
30	e5.2	19	18	e20	---	28	37	75	e60	e7.4	4.3	3.8
31	e8.0	---	18	22	---	26	---	61	---	e7.0	4.2	---
TOTAL	170.1	564.0	857	871	454	952	1806	2364	1033	440.6	258.1	126.4
MEAN	5.49	18.8	27.6	28.1	16.2	30.7	60.2	76.3	34.4	14.2	8.33	4.21
MAX	8.0	36	80	75	24	84	207	254	78	45	22	5.9
MIN	5.0	8.0	18	13	12	15	18	29	19	7.0	4.2	3.2
CFSM	.15	.53	.78	.79	.46	.86	1.69	2.14	.97	.40	.23	.12
IN.	.18	.59	.90	.91	.47	.99	1.89	2.47	1.08	.46	.27	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	15.9	19.9	29.1	30.3	37.0	50.1	52.8	39.7	32.0	16.8	9.57	12.4
MAX	106	68.5	96.8	113	91.1	149	141	111	111	52.6	52.1	88.9
(WY)	1994	1993	1991	1950	1959	1982	1950	1974	1981	1993	1972	1993
MIN	1.19	1.80	2.43	3.52	3.13	7.69	17.2	10.2	5.47	3.08	1.97	1.53
(WY)	1965	1965	1964	1963	1964	1957	1986	1958	1988	1988	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	10409.7		9896.2			
ANNUAL MEAN	28.5		27.1		28.7	
HIGHEST ANNUAL MEAN					61.7	1993
LOWEST ANNUAL MEAN					6.38	1964
HIGHEST DAILY MEAN	525	Jun 14	254	May 24	621	Dec 30 1990
LOWEST DAILY MEAN	5.0	Oct 23	3.2	Sep 5	.50	Oct 11 1964
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 22	3.7	Aug 31	.77	Oct 11 1964
INSTANTANEOUS PEAK FLOW			336	May 24	656	Dec 30 1990
INSTANTANEOUS PEAK STAGE			5.12	May 24	8.86	Feb 10 1959
ANNUAL RUNOFF (CFSM)	.80		.76		.81	
ANNUAL RUNOFF (INCHES)	10.88		10.34		10.96	
10 PERCENT EXCEEDS	51		57		63	
50 PERCENT EXCEEDS	21		19		17	
90 PERCENT EXCEEDS	6.4		4.9		4.2	

e Estimated

05522500 IROQUOIS RIVER AT RENSSELAER, IN

LOCATION.--Lat 40°56'00", long 87°07'44", in NW¼SE¼ sec.29, T.29 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on right bank 20 ft downstream from bridge on State Highway 114, 0.8 mi east of Rensselaer, 1.5 mi downstream from Ryan Ditch, 5.5 mi upstream from Slough Creek, and at mile 84.9.
DRAINAGE AREA.--203 mi^2.
PERIOD OF RECORD.--July 1948 to current year.
REVISED RECORDS.--WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 642.29 ft above sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 8, 1949, nonrecording gage at same site and datum.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Streamflow affected by irrigation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	82	109	121	146	102	148	267	513	297	17	13
2	30	98	106	92	160	92	139	255	414	206	20	12
3	27	67	100	e86	161	88	125	223	500	156	31	13
4	22	68	94	e82	154	94	126	214	450	132	105	11
5	21	131	91	e80	113	95	114	204	361	125	85	11
6	22	234	89	e78	e105	99	112	187	311	107	71	13
7	21	206	398	e76	e100	413	104	176	361	87	56	15
8	22	137	572	e75	e94	796	348	166	338	75	47	18
9	31	139	489	e74	e89	692	623	180	271	65	40	17
10	29	323	436	e74	e92	499	1030	195	245	60	34	16
11	24	298	352	e85	e84	395	1330	263	227	53	30	17
12	23	224	263	e110	e78	360	1570	247	205	47	28	e16
13	23	171	220	251	e74	329	1560	217	184	41	26	e16
14	22	166	192	492	e70	305	1320	579	169	40	24	e17
15	22	198	174	623	e74	290	1020	609	150	35	22	16
16	24	184	170	513	e78	260	739	452	136	37	20	16
17	23	151	244	377	e82	228	541	438	127	41	20	18
18	22	133	271	300	90	206	519	513	120	38	20	17
19	29	114	231	320	97	199	586	835	114	32	19	18
20	30	106	206	504	90	185	512	809	109	30	20	28
21	27	112	187	457	83	178	572	599	99	33	19	24
22	25	105	175	308	74	159	584	404	95	29	18	20
23	24	93	167	212	81	156	488	312	87	26	15	19
24	23	108	155	e190	76	145	403	981	78	28	14	18
25	24	88	145	e180	73	130	348	1560	111	35	13	19
26	23	84	136	e160	76	123	306	1650	89	33	12	17
27	26	93	132	e150	92	129	293	1480	134	26	12	17
28	26	186	130	e142	114	186	273	1270	e347	27	12	18
29	25	164	118	e132	---	185	247	1120	e603	22	13	17
30	24	127	110	e129	---	186	253	904	e452	19	15	16
31	30	---	113	e138	---	175	---	683	---	18	14	---
TOTAL	767	4390	6375	6611	2700	7479	16333	17992	7400	2000	892	503
MEAN	24.7	146	206	213	96.4	241	544	580	247	64.5	28.8	16.8
MAX	31	323	572	623	161	796	1570	1650	603	297	105	28
MIN	21	67	89	74	70	88	104	166	78	18	12	11
CFSM	.12	.72	1.01	1.05	.48	1.19	2.68	2.86	1.22	.32	.14	.08
IN.	.14	.80	1.17	1.21	.49	1.37	2.99	3.30	1.36	.37	.16	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1995, BY WATER YEAR (WY)

MEAN	92.4	126	186	204	245	331	351	240	195	94.1	47.9	69.1
MAX	921	561	559	774	613	935	886	766	863	416	238	641
(WY)	1994	1993	1991	1950	1976	1982	1950	1974	1958	1993	1990	1993
MIN	5.77	7.75	7.04	14.5	13.9	40.8	87.8	47.6	22.9	12.5	4.61	5.26
(WY)	1965	1965	1964	1963	1964	1957	1986	1958	1988	1964	1964	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1949 - 1995	
ANNUAL TOTAL	63158		73442			
ANNUAL MEAN	173		201		181	
HIGHEST ANNUAL MEAN					415	1993
LOWEST ANNUAL MEAN					29.7	1964
HIGHEST DAILY MEAN	1760	Jun 15	1650	May 26	2500	Jun 11 1958
LOWEST DAILY MEAN	18	Sep 3	11	Sep 4	2.2	Sep 9 1964
ANNUAL SEVEN-DAY MINIMUM	21	Sep 10	12	Aug 31	2.8	Sep 9 1964
INSTANTANEOUS PEAK FLOW			1670	May 26	2550	Jun 10 1958
INSTANTANEOUS PEAK STAGE			12.59	May 26	16.54	Jun 10 1958
ANNUAL RUNOFF (CFSM)	.85		.99		.89	
ANNUAL RUNOFF (INCHES)	11.57		13.46		12.13	
10 PERCENT EXCEEDS	353		502		455	
50 PERCENT EXCEEDS	105		111		92	
90 PERCENT EXCEEDS	23		18		16	

e Estimated

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^2.
PERIOD OF RECORD.--December 1948 to current year.
REVISED RECORDS.--WSP 1338: 1953. WSP 1438: 1955. WSP 1508: 1956. WSP 2115: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 624.00 ft above sea level. Prior to Sept. 7, 1955, nonrecording gage 2.5 mi upstream at datum 3.54 ft higher.
REMARKS.--Records fair except for estimated daily discharges which are poor. Stage may be affected by backwater.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35	e90	231	295	e330	e190	368	586	1410	1050	e50	e24
2	e35	e110	209	e250	e350	e200	346	576	1180	847	e48	e23
3	e34	e96	197	e230	372	e200	323	523	1040	635	e46	e22
4	e33	e100	184	e220	372	e190	313	476	930	456	e110	e21
5	e32	e150	175	e210	299	e195	289	452	804	373	e140	e20
6	e32	e250	169	e200	e260	e200	283	422	755	318	e130	e20
7	e33	363	499	e194	e220	e490	274	397	1200	273	e120	e20
8	e32	293	871	e190	e210	1130	478	378	1110	243	e100	e20
9	e33	248	938	e184	e200	1300	819	380	937	222	e90	e21
10	e37	393	913	e180	e225	1290	1170	420	775	211	e80	e23
11	e39	465	839	e200	e210	1190	1650	548	650	196	e74	e25
12	e42	416	727	e250	e200	1080	2230	581	533	181	e66	e25
13	e38	339	620	549	e190	952	2600	537	447	168	e60	e25
14	e36	299	528	954	e185	820	2460	826	e370	e150	e56	e24
15	e33	322	460	1180	e180	713	2090	1100	e320	e140	e50	e23
16	e31	317	423	1220	e200	632	1740	1100	e290	e120	e45	e22
17	e30	287	491	1140	e200	557	1440	1090	e260	e118	e42	e21
18	e29	254	571	1010	e200	494	1260	1160	e240	e116	e39	e22
19	e29	220	555	887	e199	458	1200	1380	e220	e110	e38	e21
20	e29	195	511	946	e198	434	1100	1520	e210	e96	e41	e30
21	e29	197	464	969	e200	411	1090	1450	e200	e88	e50	e27
22	e29	196	426	886	e192	374	1170	1280	e190	e84	e46	e25
23	e29	178	403	731	e190	357	1150	1090	e180	e80	e41	e24
24	e29	174	382	e560	e186	347	1060	1290	e170	e78	e36	e23
25	e29	171	361	e460	e180	324	931	2090	e160	e76	e32	e24
26	e29	156	342	e420	e184	308	798	2540	e180	e80	e30	e22
27	e29	158	327	e390	e181	314	698	2510	e250	e84	e28	e21
28	e29	272	323	e360	e183	e340	618	2410	e600	e74	e25	e22
29	e29	315	306	e340	---	e380	552	2320	1050	e64	e24	e21
30	e30	273	286	e320	---	414	545	1990	1160	e60	e24	e20
31	e50	---	283	e310	---	398	---	1690	---	e54	e24	---
TOTAL	1013	7297	14014	16235	6296	16682	31045	35112	17821	6845	1785	681
MEAN	32.7	243	452	524	225	538	1035	1133	594	221	57.6	22.7
MAX	50	465	938	1220	372	1300	2600	2540	1410	1050	140	30
MIN	29	90	169	180	180	190	274	378	160	54	24	20
CFSM	.07	.54	1.01	1.17	.50	1.20	2.30	2.52	1.32	.49	.13	.05
IN.	.08	.60	1.16	1.35	.52	1.38	2.57	2.91	1.48	.57	.15	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

MEAN	189	269	419	442	561	746	791	556	458	245	95.1	147
MAX	1792	1218	1274	1736	1490	2266	1672	1360	2314	1099	435	1387
(WY)	1994	1993	1968	1993	1968	1982	1950	1974	1958	1993	1990	1993
MIN	9.70	16.1	15.3	27.0	31.4	81.7	199	108	39.8	17.7	12.2	11.1
(WY)	1957	1965	1964	1963	1964	1957	1986	1958	1988	1988	1988	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	150874		154826			
ANNUAL MEAN	413		424		409	
HIGHEST ANNUAL MEAN					891	1993
LOWEST ANNUAL MEAN					77.6	1964
HIGHEST DAILY MEAN	3850	Apr 16	2600	Apr 13	5930	Jun 14 1958
LOWEST DAILY MEAN	24	Sep 15	20	Sep 5	6.3	Sep 10 1964
ANNUAL SEVEN-DAY MINIMUM	26	Sep 10	21	Sep 3	8.0	Sep 5 1964
INSTANTANEOUS PEAK FLOW			2630	Apr 13	5930	Jun 14 1958
INSTANTANEOUS PEAK STAGE			18.54	Apr 13	24.42	Jun 14 1958
ANNUAL RUNOFF (CFSM)	.92		.94		.91	
ANNUAL RUNOFF (INCHES)	12.50		12.83		12.37	
10 PERCENT EXCEEDS	933		1120		1090	
50 PERCENT EXCEEDS	290		248		197	
90 PERCENT EXCEEDS	32		29		28	

e Estimated

05536179 HART DITCH AT DYER, IN

LOCATION.--Lat 41°30'28", long 87°30'36",in NE¼NE¼ sec.12, T.35 N., R.10 W., Lake County, Hydrologic Unit 07120003, on right bank 50 ft upstream from 213th Street in Dyer, 0.8 mi upstream from Dyer Ditch.
DRAINAGE AREA.--37.6 mi².
PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Datum of gage is 607.38 ft above sea level.
REMARKS.--Records fair except for estimated daily discharges, which are poor. Low-flow affected by sewage effluent.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.0	e54	e15	12	15	56	19	59	21	9.5	7.6	7.0
2	e3.8	e20	e11	e9.0	17	37	16	41	21	8.3	7.2	6.5
3	e3.5	e8.0	e10	e7.0	17	27	15	30	41	7.8	123	6.1
4	e3.3	e10	e9.5	e5.6	e14	21	17	24	25	7.9	166	6.0
5	e3.4	e20	e9.0	e4.8	e12	21	15	22	17	8.8	69	6.0
6	e3.6	e49	31	e4.3	e10	22	14	19	14	9.1	42	6.1
7	e3.9	e23	337	e4.0	e8.4	164	14	17	15	9.5	28	9.8
8	e4.8	e11	269	e4.0	e7.2	256	16	17	14	9.2	22	8.6
9	e7.4	e12	165	e4.0	e6.4	143	239	21	12	11	19	8.4
10	e7.0	e28	123	e4.5	e5.6	88	433	133	11	9.4	15	7.8
11	e5.2	e15	70	e6.0	e5.0	68	392	76	10	9.2	12	6.9
12	e4.0	e10	43	13	e4.7	68	415	40	9.4	8.7	10	6.1
13	e3.0	e11	32	50	e4.5	65	228	34	8.8	8.3	8.5	6.7
14	e2.8	e15	25	519	e4.5	55	149	153	8.9	8.0	7.5	7.6
15	e3.3	e20	21	405	e5.6	44	93	68	8.4	7.9	6.8	7.3
16	e3.5	e15	22	213	e7.0	35	64	35	e7.6	18	6.4	6.8
17	e3.7	e9.0	48	153	8.8	28	48	27	e6.8	9.6	6.7	6.7
18	e4.5	e8.4	49	100	11	23	87	32	e7.2	6.5	7.2	6.7
19	e6.8	e7.6	38	187	14	21	88	32	e6.6	5.7	23	6.6
20	e6.3	e7.0	27	388	16	41	50	23	e6.2	5.2	37	6.8
21	e5.6	e12	23	e180	19	72	48	19	e5.8	5.2	13	7.4
22	e5.0	e22	20	e82	18	39	39	15	e5.6	5.4	9.2	7.4
23	e5.2	e17	18	e50	20	31	30	18	e5.4	9.4	7.4	7.5
24	e4.7	e13	18	e35	20	28	25	164	e5.2	7.8	7.1	7.0
25	e4.9	e12	16	e25	19	23	22	265	e5.0	24	8.4	6.3
26	e5.2	e9.0	14	e18	21	20	19	135	e7.0	25	7.6	6.1
27	e5.6	e30	14	e14	113	24	118	70	25	20	7.0	6.3
28	e6.0	e60	14	e12	157	35	119	130	36	50	7.2	6.2
29	e6.8	e35	13	e11	---	29	57	101	23	29	7.0	6.4
30	e13	e25	12	e10	---	25	55	53	12	14	7.1	6.4
31	e25	---	12	e12	---	21	---	33	---	9.9	7.4	---
TOTAL	174.8	588.0	1528.5	2542.2	580.7	1630	2944	1906	400.9	377.3	712.3	207.5
MEAN	5.64	19.6	49.3	82.0	20.7	52.6	98.1	61.5	13.4	12.2	23.0	6.92
MAX	25	60	337	519	157	256	433	265	41	50	166	9.8
MIN	2.8	7.0	9.0	4.0	4.5	20	14	15	5.0	5.2	6.4	6.0
CFSM	.15	.52	1.31	2.18	.55	1.40	2.61	1.64	.36	.32	.61	.18
IN.	.17	.58	1.51	2.52	.57	1.61	2.91	1.89	.40	.37	.70	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	37.9	75.8	53.1	56.0	47.0	88.9	64.0	46.6	48.2	17.0	18.1	25.0
MAX	113	195	106	136	70.7	169	110	101	182	56.7	35.7	106
(WY)	1994	1991	1991	1993	1990	1991	1993	1990	1993	1993	1990	1993
MIN	3.31	19.6	4.92	17.7	9.89	45.5	27.4	7.48	4.21	4.46	4.65	2.41
(WY)	1993	1990	1990	1992	1993	1992	1990	1992	1992	1991	1992	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	10214.16		13592.2			
ANNUAL MEAN	28.0		37.2		48.1	
HIGHEST ANNUAL MEAN					76.6	1993
LOWEST ANNUAL MEAN					34.4	1990
HIGHEST DAILY MEAN	691	Jun 14	519	Jan 14	2580	Nov 28 1990
LOWEST DAILY MEAN	.78	Sep 23	2.8	Oct 14	.78	Sep 23 1994
ANNUAL SEVEN-DAY MINIMUM	.95	Sep 17	3.5	Oct 12	.95	Sep 17 1994
INSTANTANEOUS PEAK FLOW			721	Jan 14	3010	Nov 28 1990
INSTANTANEOUS PEAK STAGE			7.22	Jan 14	15.33	Nov 28 1990
ANNUAL RUNOFF (CFSM)	.74		.99		1.28	
ANNUAL RUNOFF (INCHES)	10.11		13.45		17.37	
10 PERCENT EXCEEDS	54		88		123	
50 PERCENT EXCEEDS	9.0		14		15	
90 PERCENT EXCEEDS	3.5		5.4		3.9	

e Estimated

05536190 HART DITCH AT MUNSTER, IN

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.
DRAINAGE AREA.--70.7 mi².
PERIOD OF RECORD.--September 1942 to current year.
REVISED RECORDS.--WDR IN-72-1: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 591.27 ft above sea level (levels by State of Indiana, Department of Natural Resources).
REMARKS.--Records good except for estimated daily discharges, and flows above 100 ft³/s, which are poor due to possible backwater from Little Calumet River.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e8.6	199	43	35	39	93	45	110	62	27	18	12
2	e8.2	54	38	e25	43	64	42	86	144	23	26	11
3	e8.0	42	42	e22	43	50	44	69	95	20	281	14
4	e8.0	85	37	e19	e33	43	42	62	68	24	252	15
5	e8.2	104	40	e17	e29	50	38	58	57	20	106	15
6	e8.8	109	74	e15	e25	50	36	52	49	17	66	15
7	e9.2	66	798	e14	e23	357	35	49	66	15	53	34
8	e12	43	522	e14	e21	447	38	57	57	12	39	23
9	e17	83	234	e14	e19	193	325	76	42	32	34	17
10	e16	82	159	e18	e17	132	791	335	38	27	32	16
11	e15	60	105	e21	e16	110	755	170	33	20	25	15
12	e12	44	75	48	e15	107	836	100	31	18	22	14
13	e9.0	37	61	133	e14	101	355	116	28	16	19	14
14	11	52	52	1210	e13	90	196	281	25	14	18	14
15	11	46	46	965	e14	78	137	132	22	22	15	13
16	11	39	67	402	e16	66	114	87	21	61	14	15
17	11	34	90	216	18	57	94	75	19	20	13	15
18	11	31	82	145	19	49	190	91	20	13	14	15
19	16	28	68	452	21	46	151	82	20	11	301	14
20	14	27	56	845	24	96	111	63	17	11	127	16
21	14	63	52	e300	24	109	102	53	17	12	50	22
22	12	46	46	e120	24	72	86	46	16	11	32	17
23	13	37	44	e74	26	67	73	63	16	22	24	15
24	12	32	42	e50	24	57	65	394	16	34	21	14
25	12	29	39	e40	23	49	60	531	14	39	23	14
26	13	27	36	e33	36	45	58	221	18	48	20	13
27	13	95	37	e29	194	79	216	137	128	45	17	11
28	14	122	36	e26	206	78	171	232	103	142	23	12
29	15	82	34	e24	---	64	101	164	69	47	19	13
30	16	53	31	e22	---	57	118	104	38	27	16	13
31	139	---	32	e21	---	51	---	77	---	20	13	---
TOTAL	498.0	1851	3118	5369	1019	3007	5425	4173	1349	870	1733	461
MEAN	16.1	61.7	101	173	36.4	97.0	181	135	45.0	28.1	55.9	15.4
MAX	139	199	798	1210	206	447	836	531	144	142	301	34
MIN	8.0	27	31	14	13	43	35	46	14	11	13	11
CFSM	.23	.87	1.42	2.45	.51	1.37	2.56	1.90	.64	.40	.79	.22
IN.	.26	.97	1.64	2.82	.54	1.58	2.85	2.20	.71	.46	.91	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	32.5	51.8	65.9	62.2	79.1	136	131	95.5	65.6	31.1	27.0	28.9
MAX	282	287	279	275	236	429	363	367	423	161	155	219
(WY)	1955	1986	1983	1993	1985	1979	1947	1943	1993	1957	1990	1993
MIN	3.95	3.54	3.07	3.77	6.32	19.1	19.2	11.9	8.78	6.11	4.73	3.91
(WY)	1965	1972	1964	1977	1963	1957	1946	1958	1965	1965	1964	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	23603.9		28873.0			
ANNUAL MEAN	64.7		79.1		67.1	
HIGHEST ANNUAL MEAN					160	1993
LOWEST ANNUAL MEAN					19.2	1964
HIGHEST DAILY MEAN	1110	Jun 14	1210	Jan 14	2600	Nov 28 1990
LOWEST DAILY MEAN	5.0	Sep 23	8.0	Oct 3	1.6	Dec 24 1963
ANNUAL SEVEN-DAY MINIMUM	7.5	Sep 17	8.4	Oct 1	1.7	Sep 3 1964
INSTANTANEOUS PEAK FLOW			1590	Aug 19	3010	Nov 28 1990
INSTANTANEOUS PEAK STAGE			5.34	Aug 19	8.72	Nov 28 1990
ANNUAL RUNOFF (CFSM)	.91		1.12		.95	
ANNUAL RUNOFF (INCHES)	12.42		15.19		12.90	
10 PERCENT EXCEEDS	105		161		147	
50 PERCENT EXCEEDS	34		38		23	
90 PERCENT EXCEEDS	12		13		5.8	

e Estimated

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 Avenue 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 mi². 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 current year.
GAGE.--Water-stage recorder. Datum of gage is 580.72 ft above sea level.
REMARKS.--Records poor. Flow from eastern portion of Little Calumet River Basin is diverted to Lake Michigan by Burns Ditch. Periods of high flow frequently are in backwater from downstream storage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.3	e203	e34	e23	e28	e106	e43	e62	e40	e23	e18	e8.4
2	e5.2	e67	e29	e20	e32	e71	e36	e52	e81	e20	e19	e7.6
3	e4.8	e35	e29	e15	e34	e49	e34	e47	e91	e18	e204	e8.0
4	e4.3	e85	e26	e13	e25	e31	e36	e43	e49	e17	e212	e9.2
5	e4.5	e87	e26	e12	e20	e30	e27	e40	e29	e18	e137	e8.4
6	e4.7	e88	e39	e11	e17	e31	e24	e37	e27	e14	e95	e8.0
7	e4.8	e52	e318	e10	e15	e163	e23	e35	e50	e10	e62	e10
8	e46	e36	e302	e9.8	e14	e256	e24	e41	e91	e8.9	e34	e16
9	e55	e53	e190	e9.6	e13	e170	e191	e47	e33	e13	e26	e13
10	e23	e55	e120	e11	e12	e134	e373	e170	e27	e20	e24	e11
11	e17	e40	e70	e14	e11	e114	e419	e126	e25	e17	e22	e10
12	e15	e33	e35	e33	e10	e104	e449	e56	e23	e17	e21	e9.0
13	e13	e28	e26	e70	e9.6	e98	e296	e70	e21	e15	e20	e9.8
14	e12	e31	e23	e460	e9.0	e88	e196	e165	e19	e13	e18	e9.2
15	e12	e28	e20	e519	e9.8	e79	e137	e84	e17	e13	e17	e8.8
16	e12	e28	e42	e288	e11	e72	e92	e66	e15	e41	e16	e9.6
17	e11	e25	e64	e203	e12	e62	e57	e47	e12	e20	e15	e9.4
18	e11	e23	e61	e163	e14	e48	e86	e64	e12	e15	e15	e9.2
19	e13	e21	e50	e241	e17	e37	e71	e56	e12	e15	e178	e8.8
20	e13	e21	e38	e386	e20	e76	e50	e45	e11	e12	e157	e9.6
21	e12	e38	e32	e258	e22	e102	e46	e39	e8.9	e9.2	e51	e11
22	e12	e28	e29	e183	e21	e79	e44	e33	e8.3	e9.3	e24	e13
23	e12	e25	e26	e120	e22	e70	e42	e45	e8.5	e16	e17	e11
24	e11	e23	e24	e60	e23	e57	e41	e198	e7.9	e18	e13	e10
25	e11	e22	e23	e37	e22	e45	e40	e275	e8.9	e23	e15	e9.6
26	e11	e21	e21	e27	e27	e36	e40	e170	e10	e66	e13	e9.2
27	e11	e72	e21	e23	e149	e69	e120	e117	e117	e26	e11	e8.2
28	e11	e76	e22	e18	e170	e86	e100	e158	e147	e151	e13	e7.8
29	e10	e58	e21	e17	---	e74	e50	e151	e61	e46	e12	e7.6
30	e11	e43	e20	e16	---	e63	e70	e107	e29	e25	e10	e7.4
31	e86	---	e19	e15	---	e53	---	e72	---	e20	e9.2	---
TOTAL	484.6	1445	1800	3285.4	789.4	2553	3257	2718	1091.5	749.4	1498.2	287.8
MEAN	15.6	48.2	58.1	106	28.2	82.4	109	87.7	36.4	24.2	48.3	9.59
MAX	86	203	318	519	170	256	449	275	147	151	212	16
MIN	4.3	21	19	9.6	9.0	30	23	33	7.9	8.9	9.2	7.4
CFSM	.17	.54	.65	1.18	.31	.92	1.21	.97	.40	.27	.54	.11
IN.	.20	.60	.74	1.36	.33	1.06	1.35	1.12	.45	.31	.62	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1995, BY WATER YEAR (WY)

MEAN	37.0	62.0	80.1	65.6	85.2	137	137	95.4	69.9	38.0	36.9	42.9
MAX	151	212	301	199	252	386	268	266	222	172	141	217
(WY)	1994	1973	1983	1993	1959	1979	1973	1959	1993	1983	1990	1965
MIN	6.47	5.29	7.12	7.32	8.49	32.4	21.3	18.1	11.2	9.56	7.28	5.54
(WY)	1969	1972	1961	1961	1963	1964	1963	1992	1965	1965	1964	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1959 - 1995	
ANNUAL TOTAL	15108.7		19959.3			
ANNUAL MEAN	41.4		54.7		73.8	
HIGHEST ANNUAL MEAN					121	1973
LOWEST ANNUAL MEAN					23.5	1964
HIGHEST DAILY MEAN	492	Jun 15	519	Jan 15	1160	Apr 28 1959
LOWEST DAILY MEAN	4.3	Oct 4	4.3	Oct 4	1.9	Aug 16 1964
ANNUAL SEVEN-DAY MINIMUM	4.8	Oct 1	4.8	Oct 1	2.2	Sep 2 1964
INSTANTANEOUS PEAK FLOW			Unknown		1510	Apr 28 1959
INSTANTANEOUS PEAK STAGE			a11.64	Jan 15	17.03	Nov 28 1990
ANNUAL RUNOFF (CFSM)	.46		.61		.82	
ANNUAL RUNOFF (INCHES)	6.24		8.25		11.14	
10 PERCENT EXCEEDS	90		148		190	
50 PERCENT EXCEEDS	21		26		32	
90 PERCENT EXCEEDS	8.2		9.6		8.5	

e Estimated
a Backwater

05536357 GRAND CALUMET RIVER AT HOHMAN AVE AT HAMMOND, IN

LOCATION.--Lat 41°37'28", long 87°23'10", in NW¼NE¼sec. 36, T37 N., R10 W., Lake County, Hydrologic Unit 07120003, on left bank, 20 feet upstream of Hohman Avenue, 1,300 feet south of 173rd street, 1.0 mile north of U. S. Highway 41, 1,000 feet east of Indiana-Illinois State line, in Hammond, IN.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--October 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 575.00 ft above sea level.
REMARKS.--No estimated daily discharges. Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	110	31	30	20	20	18	39	39	62	21	22
2	75	44	29	24	24	17	18	37	43	58	26	22
3	75	43	35	23	23	16	18	34	43	55	50	21
4	73	65	39	23	29	16	21	33	42	59	29	22
5	65	76	45	21	28	18	16	34	42	59	23	23
6	51	73	51	21	19	21	19	32	42	55	22	24
7	45	46	101	24	20	36	19	32	67	54	20	31
8	69	43	66	21	20	26	22	38	86	52	20	37
9	57	77	52	22	16	21	51	45	56	54	20	30
10	53	63	44	23	16	18	56	59	52	54	20	30
11	53	49	42	28	17	19	60	41	49	53	18	27
12	53	42	38	29	15	18	54	37	46	52	18	26
13	57	41	36	35	15	19	44	38	45	50	18	24
14	62	46	37	84	15	19	40	40	45	49	18	25
15	60	46	36	50	15	19	40	36	46	47	18	28
16	54	48	42	36	16	18	39	35	45	56	19	25
17	50	41	37	30	15	19	38	38	46	46	21	29
18	44	31	39	31	15	19	49	37	44	37	21	26
19	44	32	33	60	16	19	40	35	47	34	37	24
20	43	40	31	63	16	24	38	33	49	33	29	28
21	45	49	32	37	23	19	40	32	53	32	22	33
22	47	38	32	30	16	18	34	33	53	30	20	28
23	44	30	37	28	17	22	34	37	53	31	20	23
24	37	30	36	26	16	19	33	60	53	28	21	22
25	40	33	31	26	16	18	33	49	53	31	22	22
26	43	39	30	24	21	19	33	44	54	49	20	21
27	37	64	26	24	31	27	52	42	90	32	21	21
28	28	43	30	33	23	23	38	48	98	45	24	22
29	29	38	33	27	---	20	35	40	71	25	24	23
30	36	36	32	23	---	19	41	39	66	20	24	21
31	80	---	32	19	---	18	---	39	---	20	22	---
TOTAL	1634	1456	1215	975	533	624	1073	1216	1618	1362	708	760
MEAN	52.7	48.5	39.2	31.5	19.0	20.1	35.8	39.2	53.9	43.9	22.8	25.3
MAX	85	110	101	84	31	36	60	60	98	62	50	37
MIN	28	30	26	19	15	16	16	32	39	20	18	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

MEAN	40.8	38.5	31.3	30.6	29.4	33.4	42.1	40.0	55.5	54.7	42.9	45.4
MAX	70.1	58.9	40.0	37.6	40.8	43.1	49.7	52.8	98.8	102	74.2	81.2
(WY)	1994	1994	1994	1993	1994	1994	1994	1994	1993	1993	1993	1993
MIN	17.7	21.5	20.8	19.9	19.0	20.1	34.3	29.6	21.1	24.2	19.1	25.3
(WY)	1993	1993	1993	1992	1995	1995	1992	1992	1992	1992	1992	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1991 - 1995	
ANNUAL TOTAL	17069		13174			
ANNUAL MEAN	46.8		36.1		40.4	
HIGHEST ANNUAL MEAN					51.6	1993
LOWEST ANNUAL MEAN					24.9	1992
HIGHEST DAILY MEAN	110	Nov 1	110	Nov 1	205	Jun 28 1993
LOWEST DAILY MEAN	21	Jan 21	15	Feb 12	12	Sep 6 1992
ANNUAL SEVEN-DAY MINIMUM	26	Jan 17	15	Feb 12	14	Aug 20 1992
INSTANTANEOUS PEAK FLOW			247	Jun 27	694	Sep 9 1992
INSTANTANEOUS PEAK STAGE			6.97	Jun 27	8.42	Jun 28 1993
10 PERCENT EXCEEDS	63		56		67	
50 PERCENT EXCEEDS	46		33		36	
90 PERCENT EXCEEDS	32		19		18	

Figure 7.--Number of lakes by county having 1995 water-level records.

04100030 ADAMS LAKE NEAR WOLCOTTVILLE, IN

LOCATION.--Lat 41°33'15", long 86°19'11", in NE¼NE¼NW¼ sec.25, T.36 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (WOLCOTTVILLE, IN quadrangle). The gage is on the east side of the lake on a dredged inlet, at the public access site, and 3.1 mi northeast of Wolcottville.

SURFACE AREA.--308 acres.

DRAINAGE AREA.--5.62 mi².

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--949.90 ft above sea level, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1976.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the southwest wall of the dam on the outlet channel about 500 ft downstream from the lake.

ESTABLISHED LEGAL LEVEL.--3.59 ft gage datum or 953.59 ft above sea level as decreed on December 17, 1949, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 3.59 ft gage datum or 953.49 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest "V" notch weir.

INLET AND OUTLET.--One inlet enters on the east side from Blackman Lake 2.3 mi upstream. The other inlet enters on the northeastern shore from Eve Lake. The outlet flows from the lake on the southern shore and into Little Elkhart Creek 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.32 ft June 15, 1981; minimum stage, 2.12 ft Jan. 8, 1954.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.79	2.80	2.81	3.09	3.51	3.52	3.83	4.10	4.12	4.10	4.41	3.87
10	2.80	2.84	2.99	3.09	3.51	3.52	4.09	4.09	4.06	3.98	4.39	3.84
15	2.77	2.84	2.98	3.31	3.51	4.00	4.17	4.07	3.92	4.01	4.31	3.77
20	2.73	2.81	3.04	3.48	3.51	3.98	4.17	4.04	3.83	3.93	4.30	3.67
25	2.70	2.78	3.05	3.51	3.52	3.92	4.15	4.16	3.79	3.88	4.10	3.65
EOM	2.65	2.81	3.07	3.51	3.52	3.88	4.12	4.20	4.09	3.92	3.98	3.61

WTR YR 1995 MEAN 3.60 MAX 4.42 MIN 2.65

STREAMS TRIBUTARY TO LAKE ERIE

04177680 BALL LAKE NEAR HAMILTON, IN

LOCATION.--Lat 41°32'12", long 84°56'18", in SE¼SW¼NE¼ sec.32, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003 (HAMILTON, IN quadrangle). The gage is on the northeastern shore of the lake, south of the bridge over the outlet, and 1.3 mi west of Hamilton.

SURFACE AREA.--87 acres.

DRAINAGE AREA.--11.6 mi².

PERIOD OF RECORD.--1961 to current year.

DATUM OF GAGE.--889.81 ft above sea level, as corrected on the basis of levels of the Indiana Department of Natural Resources in February 1972.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed near the recording gage and a high-water staff gage is attached to the control dam.

ESTABLISHED LEGAL LEVEL.--4.95 ft gage datum or 894.76 ft above sea level as decreed on September 20, 1974, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete sill with movable boards.

INLET AND OUTLET.--Fish Creek flows through the lake, entering at the western end and leaving at the northeastern end. Fish Creek empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.02 ft Dec. 26, 1965; minimum stage, 3.96 ft Oct. 19-31, Nov. 1-12, 1978.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.69	4.80	4.82	4.82	5.31	5.31	4.77	4.79	4.74	---	---	---
10	4.71	4.78	4.96	4.82	5.31	5.31	5.42	4.94	4.74	---	---	---
15	4.71	4.75	4.82	4.97	5.31	5.22	4.88	4.77	4.71	---	---	---
20	4.73	4.74	4.90	5.24	5.31	4.85	4.83	4.74	4.70	---	---	---
25	4.72	4.73	4.84	5.31	5.31	4.79	4.78	5.03	4.68	---	---	---
EOM	4.73	4.79	4.80	5.31	5.31	4.78	4.78	4.80	---	---	---	---

WTR YR 1995 MEAN 4.91 MAX 5.53 MIN 4.68

05517200 BASS LAKE AT BASS LAKE, IN

LOCATION.--Lat 41°12'28", long 86°36'07", in NW¼NW¼SW¼ sec.24, T.32 N., R.2 W., Starke County, Hydrologic Unit 07120001 (BASS LAKE, IN quadrangle). The gage is on the southern shore of the lake, just north of the junction of U.S. Highway 35 and State Highway 10, at the town of Bass Lake.

SURFACE AREA.--1,400 acres.

DRAINAGE AREA.--5.10 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--699.83 ft above sea level, as corrected from the unadjusted elevations.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in two sections is at the site.

ESTABLISHED LEGAL LEVEL.--13.65 ft gage datum or 713.65 ft above sea level as decreed on August 10, 1948, by the Starke County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 13.65 ft gage datum or 713.48 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--Several small unnamed ditches enter the lake at various locations. The outlet flows from the western shore, into Cedar Lake Ditch, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.03 ft June 18, 1981; minimum stage, 10.52 ft Nov. 12, 13, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.10	13.18	13.21	13.32	13.49	13.52	13.54	13.87	14.04	14.16	14.11	13.66
10	13.12	13.27	13.33	13.33	13.50	13.64	13.75	13.89	14.10	14.12	14.07	13.63
15	13.06	13.29	13.32	13.45	13.50	13.65	13.76	13.85	14.03	14.10	14.02	13.54
20	13.07	13.21	13.35	13.49	13.49	13.62	13.87	13.84	13.94	14.05	13.95	13.48
25	13.01	13.20	13.34	13.50	13.47	13.58	13.87	14.07	13.93	14.01	13.84	13.42
EOM	13.11	13.21	13.34	13.50	13.52	13.58	13.91	14.07	14.27	13.90	13.76	13.32

WTR YR 1995 MEAN 13.62 MAX 14.27 MIN 12.95

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100260 BEAR LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°19'07", long 85°30'49", in SW¼NW¼ sec.17, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is on the southern shore of the lake on a dredged channel, at the end of the gravel lane to the Merry Lea Nature Center, 1.1 mi southwest of the town of Wolflake.

SURFACE AREA.--136 acres.

DRAINAGE AREA.--6.98 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--889.90 ft above sea level, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well on the west side of the dredged channel.

ESTABLISHED LEGAL LEVEL.--4.60 ft gage datum or 894.60 ft above sea level as decreed on September 23, 1959, by the Noble County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.60 ft gage datum or 894.50 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--There are two inlets to the lake, one enters on the southwest shore from High Lake, 0.6 mi upstream, and the other enters from the northeast. The outlet, Carrol Creek, leaves the lake on the southeast tip, flows into Muncie Lake, 3.1 mi downstream, and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.25 ft Dec. 30, 1942 (before dredging of the outlet channel). Maximum stage, 6.61 ft Apr. 12, 1944 (after dredging); minimum stage, 2.90 ft Oct. 31, Nov. 1-3, 7-17, 1952, October 22-24, 29-31, Nov. 1-3, 6, 7, 1966.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.43	3.51	3.71	4.22	4.28	4.28	4.28	4.38	4.57	4.44	4.40	4.01
10	3.43	3.62	3.91	4.23	4.25	4.49	4.80	4.40	4.41	4.30	4.46	3.97
15	3.40	3.62	4.03	4.36	4.21	4.44	4.74	4.39	4.27	4.21	4.35	3.94
20	3.41	3.61	4.19	4.57	4.21	4.39	4.58	4.35	4.18	4.15	4.25	---
25	3.39	3.61	4.24	4.45	4.22	4.35	4.48	4.73	4.13	4.11	4.15	---
EOM	3.39	3.68	4.25	4.32	4.28	4.33	4.42	4.80	4.57	4.12	4.09	---

WTR YR 1995 MEAN 4.17 MAX 4.87 MIN 3.37

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN

LOCATION.--Lat 41°16'53", long 85°46'47", in NW¼SE¼SW¼ sec.25, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the southeastern shore of the lake, at the public fishing site, 4.9 mi northeast of Warsaw.

SURFACE AREA.--581 acres.

DRAINAGE AREA.--4.17 mi^2.

PERIOD OF RECORD.--1945-68, 1971, 1976 to current year.

DATUM OF GAGE.--820.00 ft above sea level.

GAGE.--A water-stage recorder and an electric tape gage (ETG) are installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.75 ft gage datum or 827.75 ft above sea level as established on October 18, 1949, by the Kosciusko County Circuit Court. Little Chapman Lake has the same control structure and established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel downstream from Little Chapman Lake.

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet flows into Little Chapman Lake to the south, then into Deeds Creek, and eventually into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.37 ft Oct. 11, 1954; minimum stage, 6.75 ft Oct. 20, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.12	7.28	7.40	7.49	7.46	7.41	7.63	7.62	---	7.60	7.83	7.30
10	7.17	7.43	7.61	7.38	7.39	7.62	7.95	8.06	---	7.45	7.67	7.27
15	7.15	7.39	7.50	7.57	7.33	7.60	7.76	7.69	---	7.50	7.57	7.21
20	7.18	7.36	7.51	7.75	7.34	7.58	7.63	7.58	7.36	7.42	7.56	7.18
25	7.15	7.35	7.47	7.61	7.36	7.54	7.59	7.50	7.46	7.42	7.39	7.18
EOM	7.16	7.43	7.42	7.50	7.45	7.57	7.65	---	7.81	7.39	7.36	7.15

WTR YR 1995 MEAN 7.47 MAX 8.06 MIN 7.11

WABASH RIVER BASIN

03330040 BIG LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°16'33", long 85°30'43", in NW¼SE¼NW¼ sec.32, T.33 N., R.9 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is at the head of the outlet channel, approximately 20 feet north of the control structure and 4 mi southwest of the town of Wolflake.

SURFACE AREA.--228 acres.

DRAINAGE AREA.--8.89 mi^2.

PERIOD OF RECORD.--1943-74, 1978 to current year.

DATUM OF GAGE.--890.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.40 ft gage datum or 898.40 ft above sea level as decreed on July 18, 1956, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--The main inlet enters from Crooked Lake to the east. Three other inlets flow from Crane Lake to the east, Green Lake to the north, and Sell Brook to the south. The outlet leaves the lake at the extreme west end and forms the headwaters of the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.76 ft Apr. 4, 1950; minimum stage, 7.12 ft Aug. 24, 1987.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.61	7.71	7.86	8.18	8.04	8.08	8.11	8.23	8.33	8.19	8.58	7.92
10	7.61	7.78	8.29	8.18	8.06	8.60	9.14	8.20	8.24	8.13	8.27	7.86
15	7.57	7.80	8.19	8.36	8.07	8.24	9.18	8.18	8.15	8.12	8.15	7.79
20	7.64	7.79	8.19	8.65	8.08	8.18	8.66	8.16	8.12	8.07	8.13	7.74
25	7.60	7.75	8.17	8.75	8.12	8.11	8.29	8.86	8.09	8.06	8.06	7.71
EOM	7.59	7.81	8.17	9.20	8.19	8.11	8.26	8.74	8.38	8.01	7.99	7.66

WTR YR 1995 MEAN 8.13 MAX 9.49 MIN 7.56

04099600 BIG LONG LAKE NEAR STROH, IN

LOCATION.--Lat 41°33'17", long 85°13'47", in NE¹/₄NW¹/₄NW¹/₄ sec.26, T.36 N., R.11 E., Lagrange County, Hydrologic Unit 04050001 (STROH, IN quadrangle). The gage is on the northeast shore near the east end of the Shady Nook Addition in the vicinity of the Shady Nook Tavern, 2.4 mi southwest of Stroh.

SURFACE AREA.--388 acres.

DRAINAGE AREA.-- 4.77 mi².

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--950.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--6.21 ft gage datum or 956.21 ft above sea level as decreed on July 22, 1965, by the Lagrange County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed sill and removable boards.

INLET AND OUTLET.--The one inlet is a small ditch that enters at the extreme western tip. The outlet flows from the extreme northern tip, northeastward to Mud and Little Turkey Lakes, thence to Turkey Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.49 ft Mar. 31, 1978; minimum stage, 4.58 ft Nov. 27, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.21	5.54	5.36	5.48	6.04	6.16	6.15	6.33	6.39	---	6.44	6.04
10	5.22	5.38	5.54	5.51	6.06	6.28	6.42	6.35	6.26	---	6.37	6.05
15	5.16	5.27	5.45	5.72	6.07	6.24	6.39	6.32	---	---	6.28	5.98
20	5.22	5.22	5.50	5.96	6.08	6.23	6.34	6.28	---	---	6.41	5.93
25	5.14	5.17	5.48	6.01	6.08	6.18	6.32	6.49	---	---	6.26	5.87
EOM	5.17	5.24	5.59	6.03	6.16	6.17	6.32	6.43	---	6.22	6.14	5.82

WTR YR 1995 MEAN 5.92 MAX 6.50 MIN 5.09

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100140 BIXLER LAKE AT KENDALLVILLE, IN

LOCATION.--Lat 41°26'13", long 85°15'10", in NE¹/₄NE¹/₄NE¹/₄ sec.4, T.34 N., R.11 E., Noble County, Hydrologic Unit 04050001 (KENDALLVILLE, IN quadrangle). The gage is on the south bank of the outlet channel on the southwest shore of the lake and 0.7 mi southeast of City Hall in Kendallville.

SURFACE AREA.--120 acres.

DRAINAGE AREA.--5.28 mi².

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--960.10 ft above sea level, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is bolted to a concrete pier 20 ft upstream from the control dam.

ESTABLISHED LEGAL LEVEL.--3.65 ft gage datum or 963.65 ft above sea level as decreed on April 25, 1952, by the Noble County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 3.65 ft gage datum or 963.75 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed deep-notch concrete dam with two flood gates.

INLET AND OUTLET.--Riddle Ditch enters the lake from the north, Sherman Ditch from the east, Shaffer Ditch from the southeast, and an unnamed ditch from the southwest. The outlet leaves at the southwest corner and flows into Henderson Lake 1.9 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.26 ft Feb. 24, 1985; minimum stage, 1.24 ft Jan. 13-15, 18, 1954.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.61	2.57	2.72	3.26	3.94	3.94	4.10	4.05	4.20	3.89	4.10	3.77
10	2.59	2.71	3.14	3.29	3.94	3.94	5.02	4.18	4.15	---	4.05	3.87
15	2.53	2.71	3.14	3.48	3.94	4.19	4.41	4.22	4.08	---	4.04	3.79
20	2.56	2.68	3.23	3.78	3.94	4.19	4.35	4.18	3.96	---	4.15	3.72
25	2.52	2.64	3.25	3.93	3.94	4.15	4.31	4.84	3.93	---	4.00	3.69
EOM	2.47	2.70	3.28	3.95	3.94	4.13	4.04	4.40	4.76	3.87	3.88	3.62

WTR YR 1995 MEAN 3.69 MAX 5.03 MIN 2.47

03327600 BLUE LAKE NEAR CHURUBUSCO, IN

LOCATION.--Lat 41°14'30", long 85°21'04", in SW¹/₄NE¹/₄SE¹/₄ sec.10, T.32 N., R.10 E., Whitley County, Hydrologic Unit 05120104 (CHURUBUSCO, IN quadrangle). Gage is located on a dredged channel at the extreme east end of the lake, approximately 2.0 mi west of Churubusco.

SURFACE AREA.--239 acres.

DRAINAGE AREA.--3.58 mi².

PERIOD OF RECORD.--1946-68, 1976 to current year.

DATUM OF GAGE.--840.00 ft above sea level.

GAGE.--A water-stage recorder installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--10.28 ft gage datum or 850.28 ft above sea level as decreed on July 23, 1948, by the Whitley County Circuit Court.

LAKE-LEVEL CONTROL.--A concrete dam with a fixed crest is located in the outlet channel about 300 ft downstream from the lake.

INLET AND OUTLET.--Maloney Ditch enters at the eastern tip of the lake. The outlet flows from the lake at the northwest end and joins Carter Creek (Blue River) 0.2 mi downstream. Carter Creek eventually flows into Eel River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.80 ft Dec. 10, 1966; minimum stage, 7.64 ft Nov. 19, 20, 1952.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.37	9.60	9.46	9.78	10.07	9.96	9.90	10.00	10.05	10.16	10.56	9.72
10	9.41	9.52	9.74	9.80	9.92	10.47	10.80	10.06	10.04	9.96	10.39	9.67
15	9.31	9.46	9.73	10.07	9.78	10.32	10.64	10.04	9.89	10.06	10.06	9.57
20	9.36	9.42	9.79	10.48	9.81	10.14	10.37	9.99	9.76	9.90	10.26	9.52
25	9.28	9.36	9.79	10.36	9.85	9.97	10.14	10.25	9.76	9.86	9.96	9.49
EOM	9.35	9.45	9.86	10.16	10.01	9.94	10.06	10.15	10.41	9.77	9.78	9.41

WTR YR 1995 MEAN 9.89 MAX 10.94 MIN 9.23

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099250 BOWER LAKE NEAR PLEASANT LAKE, IN

LOCATION.--Lat 41°36'03", long 85°03'24", in SW¹/₄SW¹/₄SE¹/₄ sec.5, T.36 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ASHLEY, IN quadrangle). The gage is located at the public fishing site on the northwestern edge of the lake, 3.9 mi southwest of Angola.

SURFACE AREA.--25 acres.

DRAINAGE AREA.--84.6 mi².

PERIOD OF RECORD.--1946-1970, 1977 to current year.

DATUM OF GAGE.--940.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary wire-weight gage is attached to the bridge over the outlet.

ESTABLISHED LEGAL LEVEL.--8.50 ft gage datum or 948.50 ft above sea level, as decreed on October 28, 1959, by Steuben County Circuit Court. Golden Lake near Pleasant Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel or the outlet of Golden Lake.

INLET AND OUTLET.--Pigeon Creek flows through the lake, entering at the southern shore and leaving at the western end to flow into Golden Lake and eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.13 ft Mar. 22, 1982; minimum stage, 7.88 ft Sept. 14, 15, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.97	8.09	8.19	---	---	---	---	9.16	9.47	9.42	8.73	8.46
10	8.00	8.23	9.24	---	---	---	---	9.39	9.08	8.85	8.58	8.47
15	7.96	8.16	---	---	---	---	---	9.39	8.83	8.62	8.49	8.33
20	8.02	8.05	---	---	---	---	---	9.06	8.62	8.49	10.67	8.26
25	7.93	8.03	---	---	---	---	---	10.51	8.83	8.43	9.54	8.27
EOM	7.95	8.20	---	---	---	---	---	10.49	10.41	8.42	8.70	8.20

WTR YR 1995 MEAN 8.71 MAX 10.97 MIN 7.92

04099810 CASS LAKE NEAR SHIPSHEWANA, IN

LOCATION.--Lat 41°41'42", long 85°38'18", in SW¼NW¼NW¼ sec.5, T.37 N, R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the northeast shore of the lake, at the beach area in the Foxwood Hills Addition, and 3.3 mi northwest of Shipshewana.

SURFACE AREA.--89 acres.

DRAINAGE AREA.--0.68 mi².

PERIOD OF RECORD.--1971 to current year.

DATUM OF GAGE.--840.95 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--A small unnamed ditch enters on the northwestern shore. The outlet leaves the lake at the southwest and flows into Mather Ditch 1.0 mi downstream. Mather Ditch eventually empties into the Little Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.89 ft June 14, 1993; minimum stage, 1.80 ft May 15, 1971.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.56	2.75	2.83	2.69	2.66	2.66	2.75	2.86	2.87	2.63	2.73	2.55
10	2.57	2.81	2.98	2.65	2.64	2.77	2.95	2.87	2.83	2.55	2.65	2.52
15	2.55	2.80	2.93	2.70	2.64	2.74	2.95	2.86	2.73	2.59	2.71	2.48
20	2.55	2.77	2.93	2.79	2.62	2.74	2.94	2.85	2.61	2.55	2.86	2.43
25	2.53	2.73	2.90	2.77	2.62	2.72	2.90	2.96	2.49	2.57	2.73	2.40
EOM	2.57	2.81	2.78	2.69	2.67	2.74	2.89	2.93	2.75	2.49	2.63	2.36

WTR YR 1995 MEAN 2.71 MAX 2.98 MIN 2.36

ILLINOIS RIVER BASIN

05518700 CEDAR LAKE AT CEDAR LAKE, IN

LOCATION.--Lat 41°21'58", long 87°25'36", in NE¼SW¼SW¼ sec.26, T.34 N., R.9 W., Lake County, Hydrologic Unit 07120001 (LOWELL, IN quadrangle). The gage is on the south bank of outlet channel on the east shore of the the lake, upstream from the first bridge over the outlet, and 0.5 mi east of the town of Cedar Lake.

SURFACE AREA.--781 acres.

DRAINAGE AREA.--8.14 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--690.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet, Cedar Creek, flows from the lake on the eastern shore of the center lobe, into Dalecarlia Lake, 1.5 mi downstream, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 4.30 ft May 15, 1970; minimum stage not determined, below 1.22 ft during July, August, September, October 1988, and September 1991.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.27	2.48	2.70	2.85	2.92	2.94	2.85	2.97	2.90	2.71	2.66	2.37
10	2.31	2.53	3.02	2.85	2.90	3.11	3.23	2.97	2.83	2.68	2.68	2.30
15	2.27	2.56	2.98	3.18	2.81	3.06	3.38	2.93	2.76	2.64	2.58	2.23
20	2.26	2.50	2.99	3.25	2.81	3.03	3.23	2.87	2.69	2.52	2.63	2.18
25	2.22	2.54	2.94	3.16	2.79	2.94	3.07	3.00	2.62	2.53	2.54	2.12
EOM	2.38	2.68	2.92	3.00	2.96	2.93	3.05	2.96	2.79	2.52	2.46	2.08

WTR YR 1995 MEAN 2.74 MAX 3.43 MIN 2.08

03331160 CENTER LAKE AT WARSAW, IN

LOCATION.--Lat 41°15'02", long 85°51'32", in NE¹/₄SW¹/₄SW¹/₄ sec.5, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the northwestern side of the lake, mounted on a sea wall behind the house at 300 Gilliam Drive, 0.8 mi north of the court house, Warsaw.

SURFACE AREA.--120 acres.

DRAINAGE AREA.--0.73 mi².

PERIOD OF RECORD.--1943-1968, 1971 to current year.

DATUM OF GAGE.--800.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the control dam at the outlet.

ESTABLISHED LEGAL LEVEL.--3.86 ft gage datum or 803.86 ft above sea level as decreed on December 3, 1963, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam at the western end of the lake.

INLET AND OUTLET.--The one inlet flows through a 24-inch diameter tile from Pike Lake and enters the lake on the southeastern side. The outlet flows from the western shore and joins Walnut Creek 0.65 mi downstream, which in turn flows into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.24 ft Oct. 15, 1954; minimum stage, 0.17 ft Oct. 4, 1955.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.00	4.09	4.00	4.16	4.38	4.11	4.43	4.63	4.85	5.13	4.62	3.97
10	4.04	4.08	4.35	4.16	4.38	4.40	4.65	4.66	4.90	4.77	4.57	3.90
15	4.02	4.06	4.36	4.33	4.38	4.59	5.13	4.65	4.58	4.61	4.46	3.77
20	4.01	4.03	4.30	4.37	4.32	4.80	5.46	4.51	4.46	4.49	4.41	3.69
25	4.00	3.98	4.25	4.40	4.05	4.97	5.21	4.81	4.52	4.36	4.22	3.67
EOM	4.03	4.02	4.18	4.40	4.12	4.70	5.01	4.91	5.75	4.21	4.05	3.58

WTR YR 1995 MEAN 4.40 MAX 5.75 MIN 3.58

STREAMS TRIBUTARY TO LAKE ERIE

04177200 CLEAR LAKE AT CLEAR LAKE, IN

LOCATION.--Lat 41°44'52", long 84°50'25", in SW¹/₄SW¹/₄ sec.17, T.38 N., R.15 E., Steuben County, Hydrologic Unit 04100003 (CLEAR LAKE, IN-OH-MI quadrangle). The gage is on the northern shore of the lake, at the channel between Clear and Round Lakes, and 4.75 mi northeast of Fremont.

SURFACE AREA.--800 acres.

DRAINAGE AREA.--6.86 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--1030.00 ft above sea level.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch stilling well. An auxiliary staff gage is attached to the north end of the upstream culvert.

ESTABLISHED LEGAL LEVEL.--7.38 ft gage datum or 1037.38 ft above sea level as decreed on June 1, 1950, by the Steuben County Circuit Court. Round Lake at Clear Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam with an auxiliary slide gate at the outlet of Round Lake.

INLET AND OUTLET.--Two unnamed ditches enter the lake on the southern shore. The outlet is a short channel connecting Clear and Round Lakes. The outlet of Round Lake flows from the northeast end and eventually into the West Branch of the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.24 ft May 20, 1943 (from high-water mark); maximum recorded stage, 8.58 ft Jan. 5, 1993; minimum stage, 6.24 ft Sept. 30, 1962.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.45	7.56	7.59	7.84	7.92	7.90	7.83	7.90	7.93	7.98	7.89	7.70
10	7.46	7.59	7.77	7.84	7.92	7.91	8.04	7.88	7.90	7.85	7.82	7.72
15	7.41	7.59	7.77	7.88	7.92	7.96	8.00	7.85	7.82	7.79	7.79	7.66
20	7.46	7.57	7.84	7.96	7.91	8.11	7.96	7.83	7.78	7.73	8.01	7.62
25	7.42	7.50	7.84	7.98	7.91	7.90	7.92	8.08	7.76	7.69	7.85	7.60
EOM	7.41	7.55	7.85	7.95	7.91	7.86	7.91	8.03	8.12	7.66	7.77	7.58

WTR YR 1995 MEAN 7.80 MAX 8.12 MIN 7.38

05515240 CLEAR LAKE AT LAPORTE, IN

LOCATION.--Lat 41°37'25", long 86°43'11", in NE¼SE¼SE¼ sec.26, T.37 N., R.3 W., LaPorte County, Hydrologic Unit 07120001 (LAPORTE EAST, IN quadrangle). The gage is on the northeast shore of the lake, 100 ft south of the entrance to Fox Memorial Park, in LaPorte.

SURFACE AREA.--106 acres.

DRAINAGE AREA.--0.65 mi^2.

PERIOD OF RECORD.--1942-49, 1952-75, 1979 to current year.

DATUM OF GAGE.--790.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the north wingwall of the inlet culvert on the west side of the lake.

ESTABLISHED LEGAL LEVEL.--8.20 ft gage datum or 798.20 ft above sea level as decreed on August 31, 1949, by the LaPorte County Circuit Court.

LAKE-LEVEL CONTROL.--During periods of high water, water may be released through the main sewer system of the city of LaPorte and diverted into the Kankakee River.

INLET AND OUTLET.--A small ditch enters on the west shore. There is no outlet during periods of low and medium water levels. When water levels are high, water may flow from the lake into the city sewer system.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.36 ft June 6, 1993; minimum stage, 3.98 ft Nov. 27, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.47	8.86	8.91	9.06	9.29	9.34	9.38	9.56	9.58	9.10	8.98	8.45
10	9.28	8.90	9.12	9.07	9.29	9.48	9.57	9.49	9.38	8.87	8.80	8.36
15	9.02	8.92	9.09	9.25	9.27	9.46	9.60	9.50	9.17	9.03	8.66	8.25
20	8.86	8.89	9.11	9.30	9.27	9.42	9.60	9.50	8.99	8.96	8.62	8.18
25	8.61	8.83	9.09	9.31	9.26	9.38	9.57	9.63	8.81	8.92	8.55	8.16
EOM	8.59	8.94	9.09	9.30	9.34	9.41	9.60	9.59	9.12	8.72	8.53	8.09

WTR YR 1995 MEAN 9.09 MAX 9.65 MIN 8.09

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097850 CROOKED LAKE AT CROOKED LAKE, IN

LOCATION.--Lat 41°40'14", long 85°02'04", in NE¼NW¼NE¼ sec.16, T.37 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is on an inlet channel on the lower eastern shore of the lake, 3.1 mi northwest of Angola.

SURFACE AREA.--828 acres.

DRAINAGE AREA.--10.4 mi^2.

PERIOD OF RECORD.--1946-70, 1972 to current year.

DATUM OF GAGE.--980.26 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1977-78.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed between the Second and Third Basins under County Road 400 West.

ESTABLISHED LEGAL LEVEL.--8.17 ft gage datum or 988.17 ft above sea level as decreed on June 17, 1948, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.17 ft gage datum or 988.43 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest dam with an adjustable gate at the western end of the Third Basin.

INLET AND OUTLET.--The principal inlets enter the lake from the south, from Loon and Buck Lakes, and the southeast, from Center Lake. Another ditch enters from the east. The outlet flows from the western end of the Third Basin into Lake Gage 1.4 mi downstream and eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.07 ft Apr. 6, 1985; minimum stage, 7.05 ft Nov. 13-15, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.41	8.54	8.60	8.74	8.95	8.94	8.92	9.18	9.33	9.14	9.07	8.90
10	8.43	8.59	8.80	8.79	8.94	8.99	9.16	9.31	9.29	9.04	8.98	8.90
15	8.38	8.53	8.73	8.92	8.93	9.00	9.11	9.24	9.17	8.97	8.95	8.84
20	8.45	8.50	8.78	8.96	8.94	9.04	9.15	9.21	9.10	8.92	9.20	8.84
25	8.40	8.47	8.77	9.02	8.94	8.99	9.17	9.44	9.10	8.88	9.08	8.80
EOM	8.41	8.55	8.82	8.98	8.94	8.97	9.19	9.41	9.24	8.82	9.01	8.73

WTR YR 1995 MEAN 8.92 MAX 9.47 MIN 8.36

04100470 DEWART LAKE NEAR LEESBURG, IN

LOCATION.--Lat 41°22'27", long 85°47'07", in NW¼SW¼NW¼ sec.25, T.34 N., R.6 E., Kosciusko County, Hydrologic Unit 04050001 (LEESBURG, IN quadrangle). The gage is on the west shore of the lake, 0.1 mi east of County Road 300 East at the Dewart Lake Marina, and 4.5 mi northeast of Leesburg.

SURFACE AREA.--551 acres.

DRAINAGE AREA.--8.05 mi^2.

PERIOD OF RECORD.--1945 to current year.

DATUM OF GAGE.--859.87 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.70 ft gage datum or 867.70 ft above sea level as decreed on October 18, 1949, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 7.70 ft gage datum or 867.57 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam.

INLET AND OUTLET.--Cable Run enters the lake on the southeastern tip, and an unnamed ditch enters on the eastern shore. The outlet, Hammond Ditch, flows from the lake on the northwestern shore and into Wabee Lake 2.3 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.57 ft June 14, 1981; minimum stage, 3.95 ft Dec. 21-24, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

(NO DATA COLLECTED DUE TO CONSTRUCTION)

WABASH RIVER BASIN

03331320 DIAMOND LAKE NEAR SILVER LAKE, IN

LOCATION.--Lat 41°06'23", long 85°56'05", in SW¼NW¼SE¼ sec.26, T.31 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (SILVER LAKE, IN quadrangle). The gage is on the inlet channel on the northern shore of the lake, 2.2 mi northwest of the town of Silver Lake.

SURFACE AREA.--79 acres.

DRAINAGE AREA.--3.92 mi^2.

PERIOD OF RECORD.--1954-72, 1975 to current year.

DATUM OF GAGE.--849.90 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1976.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is controlled by Yellow Creek Lake, 0.3 mi downstream.

INLET AND OUTLET.--There are two inlets. One enters from the north and east from Hill Lake, one enters from the southeast. The one outlet flows from the western shore and into Yellow Creek Lake, 0.3 mi downstream. Yellow Creek Lake flows into Yellow Creek, which eventually discharges into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.47 July 9, 1964; minimum stage, 9.78 ft Sept. 18-19, 23, 27-30, Oct. 10-12, 1988.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.16	10.32	10.38	10.35	10.48	---	10.60	10.73	11.00	11.06	10.74	10.29
10	10.19	10.33	10.59	10.35	10.44	---	11.34	10.75	11.02	10.80	10.61	10.23
15	10.16	10.34	10.45	10.63	10.44	---	11.06	10.78	10.84	10.69	10.54	10.18
20	10.18	10.35	10.49	11.02	10.40	10.76	10.87	10.84	10.73	10.61	10.48	10.14
25	10.16	10.34	10.46	10.67	10.47	10.67	10.82	11.36	10.66	10.58	10.40	10.12
EOM	10.20	10.38	10.45	10.54	10.52	10.64	10.78	11.23	11.68	10.53	10.34	10.08

WTR YR 1995 MEAN 10.58 MAX 11.95 MIN 10.08

04100350 DIAMOND LAKE NEAR WAWAKA, IN

LOCATION.--Lat 41°26'15", long 85°31'05",in NE¼NW¼NW¼, sec.5, T.34 N., R.9 E., Noble County, Hydrologic Unit 04050001 (LIGONIER, IN quadrangle). The gage is located on the southeastern edge of the lake at a public fishing site, 2.5 mi southwest of the town of Wawaka.

SURFACE AREA.--105 acres.

DRAINAGE AREA.--4.80 mi^2.

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--870.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is mounted on a piling driven into the lake bed on the northern edge of the lake.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is controlled by a riffle at the head of the outlet channel.

INLET AND OUTLET.--Willets Ditch enters at the southwestern tip of the lake from Eagle Lake, 0.6 mi upstream. One unnamed ditch enters the lake from the south. The outlet flows from the lake at the southeastern edge and joins the South Branch of the Elkhart River 0.8 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.83 ft Mar. 20, 1982; minimum stage, 2.29 ft Oct. 17, 1946.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.14	4.34	---	---	---	---	4.70	4.97	5.09	5.18	4.91	4.48
10	4.19	4.42	---	---	---	---	5.01	4.89	4.95	4.99	4.92	4.59
15	4.15	4.44	---	---	---	---	5.33	4.80	4.81	4.99	4.88	4.51
20	4.19	---	---	---	---	5.09	5.34	4.74	4.71	4.81	4.79	4.48
25	4.15	---	---	---	---	4.92	5.27	5.08	4.64	4.78	4.66	4.44
EOM	4.25	---	---	---	---	4.83	5.11	5.20	5.22	4.68	4.57	4.41

WTR YR 1995 MEAN 4.75 MAX 5.39 MIN 4.12

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100370 ENGLE LAKE NEAR LIGONIER, IN

LOCATION.--Lat 41°26'08", long 85°34'30", in SE¼NW¼NW¼, sec.2, T.34 N., R.8 E., Noble County, Hydrologic Unit 04050001 (LIGONIER, IN quadrangle). The gage is located at a public access site on the eastern side of the lake, 2.2 mi south of the town of Ligonier.

SURFACE AREA.--48 acres.

DRAINAGE AREA.--4.19 mi^2.

PERIOD OF RECORD.--1956-67, 1977 to current year.

DATUM OF GAGE.--870.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.90 ft gage datum or 878.90 ft above sea level as decreed on October 23, 1984, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel at low water and the first culvert downstream at higher stages.

INLET AND OUTLET.--Sparta Lake Ditch feeds the lake from the south, flowing from Sparta Lake. The outlet flows from the northern shore through Indian Lake and into the Elkhart River 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage 10.53 ft Mar. 29, 1985; minimum stage, 7.48 ft Nov. 17, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.33	8.53	8.59	8.62	8.78	8.79	8.76	8.86	8.88	---	8.80	8.24
10	8.41	8.62	8.87	8.59	8.78	8.95	9.18	8.85	8.84	---	8.67	8.45
15	8.39	8.57	8.73	8.90	8.78	8.97	9.04	8.78	---	---	8.61	8.35
20	8.42	8.51	8.74	9.02	8.78	8.88	8.96	8.75	---	---	8.54	8.37
25	8.39	8.46	8.70	8.93	8.75	8.79	8.90	9.17	---	8.57	8.41	8.32
EOM	8.42	8.59	8.69	8.80	8.79	8.78	8.90	8.97	---	8.49	8.34	8.21

WTR YR 1995 MEAN 8.68 MAX 9.19 MIN 8.21

04099670 FISH LAKE NEAR PLATO, IN

LOCATION.--Lat 41°37'27", long 85°19'56", in SW¹/₄NE¹/₄NE¹/₄ sec.35, T.37 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (WOLCOTTVILLE, IN quadrangle). The gage is on the northeast bank of the outlet channel, approximately 15 ft downstream of the lake on the northwest side, and 1.2 mi south of Plato.

SURFACE AREA.--100 acres.

DRAINAGE AREA.--10.6 mi².

PERIOD OF RECORD.--1945 to current year.

DATUM OF GAGE.--930.75 ft above sea level, as corrected on the basis of levels of the U.S. Geological Survey, 1966.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is mounted on a tree stump on the northern bank of the outlet channel at the same site.

ESTABLISHED LEGAL LEVEL.--6.50 ft gage datum or 936.50 ft above sea level as decreed on May 7, 1959, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 6.50 ft gage datum or 937.25 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--One inlet enters at the extreme southern tip from Royer Lake 700 ft upstream. The other enters on the north shore of the east lobe from Grass Lake, approximately 1.4 mi upstream. The outlet, East Fly Creek, flows from the lake on the northwest shore and joins Fly Creek, which empties into Pigeon River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.23 ft June 14, 15, 1981; minimum stage, 5.32 ft Nov. 17-20, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.23	6.40	6.67	6.68	6.80	6.76	6.71	6.89	6.96	6.70	7.24	6.43
10	6.22	6.47	6.94	6.67	6.71	7.17	7.28	6.88	6.81	6.58	7.10	6.46
15	6.21	6.50	6.86	6.96	6.63	7.03	7.28	6.87	6.67	6.59	6.80	6.40
20	6.20	6.52	6.87	7.14	6.64	6.91	7.07	6.89	6.57	6.50	6.78	6.39
25	6.19	6.48	6.81	7.12	6.71	6.80	6.94	7.36	6.52	6.46	6.61	6.38
EOM	6.17	6.61	6.76	6.89	6.78	6.74	6.91	7.26	6.80	6.43	6.52	6.36

WTR YR 1995 MEAN 6.72 MAX 7.40 MIN 6.17

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099760 FISH LAKE NEAR SCOTT, IN

LOCATION.--Lat 41°45'25", long 85°38'54", in NW¹/₄NW¹/₄SE¹/₄ sec.7, T.38 N.,R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the northwest shore of the lake, on the north side of the outlet channel, 4.8 mi northwest of Scott.

SURFACE AREA.--139 acres.

DRAINAGE AREA.--6.21 mi².

PERIOD OF RECORD.--1954-69, 1978 to current year.

DATUM OF GAGE.--809.84 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1975.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the dam at the same site.

ESTABLISHED LEGAL LEVEL.--4.42 ft gage datum or 814.42 ft above sea level as decreed on September 11, 1959, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.42 ft gage datum or 814.26 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed concrete sill with removable boards.

INLET AND OUTLET.--The inlet, Fetch Ditch, enters on the southeastern shore. The outlet flows from the lake at the lower west shore and empties into Pigeon River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.61 ft Feb. 26, 1985; minimum stage, 1.54 ft Nov. 26, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.26	3.16	3.05	3.25	3.66	3.81	4.17	4.28	4.31	4.32	4.65	4.19
10	3.23	3.18	3.20	3.29	3.69	4.07	4.35	4.32	4.31	4.21	4.45	4.17
15	3.17	3.16	3.20	3.40	3.69	4.13	4.34	4.29	4.22	4.30	4.49	4.11
20	3.14	3.12	3.25	3.54	3.69	4.15	4.34	4.24	4.14	4.25	4.43	4.05
25	3.07	3.05	3.26	3.63	3.72	4.15	4.29	4.33	4.05	4.23	4.31	4.01
EOM	3.10	3.07	3.29	3.67	3.78	4.17	4.30	4.34	4.37	4.13	4.27	3.94

WTR YR 1995 MEAN 3.85 MAX 4.65 MIN 3.01

05517700 FLINT LAKE NEAR VALPARAISO, IN

LOCATION.--Lat 41°30'41", long 87°02'23", in NE¹/₄SW¹/₄ sec.6, T.35 N., R.5 W., Porter County, Hydrologic Unit 07120001 (CHESTERTON, IN quadrangle). The gage is on the southeast shore of the lake, at the outlet and the Valparaiso Water Works, 3.2 mi northeast of Valparaiso.

SURFACE AREA.--86 acres.

DRAINAGE AREA.--3.80 mi², revised.

PERIOD OF RECORD.--1946 to current year. From Jan. 1, 1911, to Aug. 14, 1946, readings of the lake level were taken approximately once per week by Water Works personnel. These data are available upon request.

DATUM OF GAGE.--780.00 ft above sea level.

GAGE.--A water-stage recorder is installed inside the Valparaiso Water Works. An auxiliary staff gage is located lakeward of the concrete block pumping station.

ESTABLISHED LEGAL LEVEL.--17.66 ft gage datum or 797.66 ft above sea level as decreed on August 19, 1963, by the Porter County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel and two 30-inch corrugated metal pipes under the road, 600 ft downstream.

INLET AND OUTLET.--There are three inlets. One drains Long Lake to the northwest and another drains Loomis Lake to the west and Listenberger drain enters from the south. The outlet flows from the lake at the southeast corner and into the West Branch of Crooked Creek approximately 5.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 21.18 ft July 2, 1983 as recorded by the Valparaiso Water Company; minimum stage, 12.59 ft Dec. 29, 1948.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.21	19.64	19.82	19.76	19.58	19.55	19.43	19.58	19.40	19.19	19.11	18.50
10	19.26	19.72	20.05	19.76	19.49	19.74	19.76	19.54	19.38	19.11	19.05	18.39
15	19.23	19.74	19.94	20.08	19.41	19.69	19.97	19.46	19.28	19.08	18.95	18.27
20	19.23	19.71	19.93	20.02	19.47	19.63	19.83	19.39	19.16	19.04	18.88	18.20
25	19.19	19.66	19.86	19.84	19.47	19.51	19.74	19.49	19.05	19.03	18.74	18.14
EOM	19.43	19.84	19.81	19.67	19.58	19.50	19.69	19.45	19.26	18.94	18.64	18.06

WTR YR 1995 MEAN 19.38 MAX 20.11 MIN 18.06

WABASH RIVER BASIN

03330160 GILBERT LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat 41°19'50", long 85°35'48", in NE¹/₄NE¹/₄SE¹/₄ sec.9, T.33 N., R.8 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is at the extreme west end of the lake on the east side of County Road 925 West, approximately 400 ft south of Gilbert Lake Road, and 0.4 mi north of Washington Center.

SURFACE AREA.--28 acres.

DRAINAGE AREA.--0.37 mi².

PERIOD OF RECORD.--1954-59, 1961 to current year.

DATUM OF GAGE.--884.85 ft above sea level, as corrected on the basis of levels of the Indiana Department of Natural Resources, 1974-75.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is driven into the lake bed approximately 100 ft south of the primary gage.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level is controlled by the outlet through the swamp, east of the lake.

INLET AND OUTLET.--The lake has no inlet. The outlet leaves from the southeastern side and flows into Stump Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.81 ft Dec. 4-5, 1987; minimum stage, 3.53 ft Nov. 1, 1963.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.49	5.23	4.92	5.07	5.23	5.23	5.38	5.61	5.43	4.43	5.21	5.29
10	5.58	5.12	5.04	5.07	5.23	5.23	5.60	4.48	5.54	4.47	5.08	5.32
15	5.05	4.97	4.93	5.06	5.23	5.04	5.39	4.62	5.60	4.58	5.18	5.29
20	4.89	4.93	4.95	5.12	5.23	5.12	5.64	4.79	4.38	4.63	5.24	5.32
25	4.95	4.89	5.01	5.12	5.23	5.25	5.76	5.11	4.21	4.71	5.24	5.38
EOM	5.04	4.92	5.07	5.12	5.23	5.33	5.86	5.21	4.55	4.80	5.28	5.39

WTR YR 1995 MEAN 5.11 MAX 5.89 MIN 4.17

04100110 HACKENBURG LAKE NEAR WOLCOTTVILLE, IN

LOCATION.--Lat 41°33'25", long 85°26'17", in NE¼SW¼SW¼ sec.24, T.36 N., R.9 E., Lagrange County, Hydrologic Unit 04050001 (OLIVER LAKE, IN quadrangle). The gage is on the north shore of the outlet channel at the bridge on County Road 75 West, and 4.2 mi northwest of Wolcottville.

SURFACE AREA.--42 acres.

DRAINAGE AREA.--55.4 mi².

PERIOD OF RECORD.--1945 to current year.

DATUM OF GAGE.--890.00 ft above sea level.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch diameter stilling well. An auxiliary staff gage is bolted to the downstream side of the bridge at the same site.

ESTABLISHED LEGAL LEVEL.--7.36 ft gage datum or 897.36 ft above sea level as decreed on February 2, 1954, by the Lagrange County Circuit Court. Witmer, Westler, Dallas, and Messick Lakes, all near Wolcottville, have the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete sill with removable stop logs located at the outlet of Messick Lake.

INLET AND OUTLET.--One inlet enters on the north shore from Oliver Lake 1.6 mi upstream. The other inlet enters on the east shore from Dallas Lake 0.5 mi upstream, which is part of a chain of lakes including Westler and Witmer Lakes. The outlet flows from the lake on the southwest shore and into Messick Lake about 0.5 mi downstream. Messick Lake empties into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.17 ft Apr. 7, 1978; minimum stage, 6.34 ft Oct. 10, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.50	7.74	7.25	7.21	7.59	7.42	7.49	7.87	8.14	8.19	8.30	7.57
10	7.56	7.64	7.49	7.16	7.43	7.94	7.97	7.79	7.91	8.07	8.39	7.44
15	7.55	7.49	7.48	7.48	7.30	8.04	8.40	7.78	7.66	7.96	8.31	7.36
20	7.57	7.35	7.48	7.79	7.24	7.92	8.39	7.72	7.54	7.81	8.36	7.30
25	7.56	7.20	7.39	7.97	7.29	7.76	8.20	8.03	7.47	7.69	8.13	7.26
EOM	7.59	7.25	7.29	7.75	7.38	7.59	8.01	8.27	7.93	7.67	7.81	7.21

WTR YR 1995 MEAN 7.70 MAX 8.40 MIN 7.15

STREAMS TRIBUTARY TO LAKE ERIE

04177700 HAMILTON LAKE AT HAMILTON, IN

LOCATION.--Lat 41°32'10", long 84°54'45", in SW¼SW¼NW¼ sec.34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003 (HAMILTON, IN quadrangle). The gage is on the eastern shore of the southern lobe at the outlet, in the town of Hamilton.

SURFACE AREA.--802 acres.

DRAINAGE AREA.--16.5 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--890.12 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.83 ft gage datum or 898.83 ft above sea level as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.83 ft gage datum or 898.95 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two dams. The northernmost dam is concrete and steel sheet piling with a fixed crest. The southern dam has a fixed concrete sill.

INLET AND OUTLET.--Black Creek enters the lake on the northeast shore. Two small ditches enter from the east and the north. There are two outlets, both on the southern lobe, that flow into Fish Creek thence into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.14 ft Dec. 30, 1965; minimum stage, 7.27 ft Jan. 4-9, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.23	8.36	8.51	8.55	8.60	8.60	8.51	8.61	8.60	8.70	---	---
10	8.24	8.43	8.63	8.55	8.60	8.76	9.07	8.64	8.59	8.55	---	---
15	8.22	8.44	8.56	8.66	8.60	8.65	8.73	8.59	8.51	8.52	---	---
20	8.25	8.42	8.58	8.73	8.60	8.61	8.64	8.55	8.49	8.45	---	---
25	8.23	8.40	8.53	8.71	8.60	8.55	8.60	8.84	8.47	8.44	---	---
EOM	8.24	8.45	8.54	8.71	8.60	8.53	8.62	8.69	9.12	8.41	---	---

WTR YR 1995 MEAN 8.55 MAX 9.25 MIN 8.21

04099860 HEATON LAKE NEAR ELKHART, IN

LOCATION.--Lat 41°44'14", long 85°54'42", in NW¼NE¼NE¼ sec.23, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001 (ELKHART, IN quadrangle). The gage is on the east bank of the inlet on the north shore of the lake, 4.7 mi northeast of the main Post Office in Elkhart.

SURFACE AREA.--87 acres.

DRAINAGE AREA.--9.33 mi².

PERIOD OF RECORD.--1946-53, 1970-75, 1977 to current year.

DATUM OF GAGE.--760.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--7.30 ft gage datum or 767.30 ft above sea level as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--The one inlet enters the lake at the extreme northern point of the lake. The outlet, Puterbaugh Creek, flows from the west end of the lake and enters the St. Joseph River approximately 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.73 ft Feb. 26, 1985; minimum stage, 4.55 ft Nov. 12-18, 1971.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	7.08	7.90	8.04	8.14	8.15	8.13	8.17	8.09	8.03	8.46	7.85
10	---	7.48	8.11	8.04	8.14	8.14	8.27	8.17	8.06	7.94	8.24	7.77
15	6.99	7.67	8.06	8.21	8.14	8.21	8.24	8.19	7.97	7.80	8.24	7.65
20	6.90	7.73	8.00	8.20	8.15	8.19	8.21	8.13	7.86	7.83	8.22	7.51
25	6.83	7.74	8.06	8.16	8.15	8.14	8.22	8.21	7.62	8.02	8.07	7.44
EOM	6.90	7.87	8.02	8.14	8.15	8.14	8.19	8.15	8.08	7.86	7.94	7.28

WTR YR 1995 MEAN 7.95 MAX 8.46 MIN 6.72

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100258 HIGH LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°18'51", long 85°31'49", in SW¼NE¼SW¼ sec.18, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is on a dredged channel on the west shore of the east lobe, 2.1 mi southwest of Wolflake.

SURFACE AREA.--123 acres.

DRAINAGE AREA.--4.43 mi².

PERIOD OF RECORD.--1961-68, 1970 to current year.

DATUM OF GAGE.--890.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed at the same site.

ESTABLISHED LEGAL LEVEL.--6.35 ft gage datum or 896.35 ft above sea level as decreed on February 25, 1963, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete, fixed-crest dam with a rectangular notch.

INLET AND OUTLET.--The one inlet, Beal Branch, enters the lake on the southeast shore. The outlet flows from the east side of the north lobe, through Bear Lake, 0.6 mi downstream, into Carrol Creek, and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.70 ft June 28, 1968; minimum stage, 5.30 ft Nov. 15, 25-28, 1964, Oct. 13, 26-31, Nov. 1-3, 1966.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.72	6.07	6.26	6.26	---	---	---	6.75	6.77	6.80	---	---
10	5.76	6.18	6.26	6.26	---	---	---	6.75	6.69	6.66	---	---
15	5.65	6.20	6.26	6.57	---	---	---	6.69	6.61	6.60	---	---
20	5.84	6.20	6.26	6.75	---	---	---	6.68	6.57	6.55	---	---
25	5.76	6.18	6.26	6.71	---	---	---	7.02	6.56	6.51	---	---
EOM	6.01	6.24	6.26	6.66	---	---	---	6.93	7.01	---	---	---

WTR YR 1995 MEAN 6.39 MAX 7.06 MIN 5.59

03331300 HILL LAKE NEAR SILVER LAKE, IN

LOCATION.--Lat 41°06'16", long 85°54'35", in SE¼NE¼SE¼ sec.25, T.31 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (SILVER LAKE, IN quadrangle). The gage is located on the northern shore of the southwestern lobe of the lake, 2.5 mi northwest of the town of Silver Lake.

SURFACE AREA.--67 acres.

DRAINAGE AREA.--0.85 mi².

PERIOD OF RECORD.--1952 to current year.

DATUM OF GAGE.--860.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is located on the southernmost tip of the lake. The staff is mounted on a board driven into the lake bed.

ESTABLISHED LEGAL LEVEL.--11.50 ft gage datum or 871.50 ft above sea level as decreed on September 10, 1959, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed sill with removable boards.

INLET AND OUTLET.--There are no surface inlets. The one outlet flows from the western edge of the lake and empties into Diamond Lake 1.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.54 ft July 21, 1963; minimum stage, 9.86 ft Jan. 18, 19, 1954.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.95	11.01	11.19	11.36	11.35	11.35	11.27	11.38	11.40	11.48	11.35	11.03
10	10.96	11.07	11.47	11.36	11.35	11.47	11.67	11.37	11.43	11.36	11.31	10.96
15	10.92	11.10	11.50	11.46	11.35	11.39	11.51	11.38	11.34	11.33	11.27	10.89
20	10.93	11.10	11.43	11.60	11.35	11.33	11.43	11.39	11.28	11.27	11.23	10.85
25	10.90	11.08	11.37	11.54	11.35	11.31	11.38	11.61	11.26	11.29	11.14	10.80
EOM	10.90	11.15	11.35	11.38	11.35	11.29	11.37	11.50	11.83	11.24	11.10	10.77

WTR YR 1995 MEAN 11.28 MAX 11.90 MIN 10.77

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099500 HOGBACK LAKE NEAR ANGOLA, IN

LOCATION.--Lat 41°37'39", long 85°04'59", in SE¼SE¼SE¼ sec.25, T.37 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is on the northeast shore, 0.5 mi south of the Tri-State Airport, on County Road 500 West, and 4.4 mi southwest of Angola.

SURFACE AREA.--146 acres.

DRAINAGE AREA.--103 mi².

PERIOD OF RECORD.--1946-73, 1977 to current year.

DATUM OF GAGE.--940.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to a tree at the same site.

ESTABLISHED LEGAL LEVEL.--8.50 ft gage datum or 948.50 ft above sea level as decreed on October 28, 1959, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel (Pigeon Creek).

INLET AND OUTLET.--There are three inlets to the lake. One unnamed ditch enters from the north. A small tributary enters on the eastern tip from Silver Lake, 0.7 mi upstream. Pigeon Creek flows through the lake, entering at the southeastern shore from Golden Lake, 1.2 mi upstream and leaving at the north end of the western lobe. Pigeon Creek joins Turkey Creek to become Pigeon River and eventually empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.07 ft Mar. 22, 1982; minimum stage, 7.24 ft Sept. 9, 10, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.87	8.98	9.08	---	---	---	---	9.81	10.11	10.06	9.40	9.25
10	8.88	9.10	---	---	---	---	---	9.81	9.75	9.52	9.29	9.21
15	8.86	9.11	---	---	---	---	---	10.07	9.48	9.33	9.27	9.12
20	8.87	9.00	---	---	---	---	---	9.77	9.33	9.19	11.11	9.05
25	8.87	8.94	---	---	---	---	---	10.52	9.30	9.14	10.04	9.03
EOM	8.85	9.04	---	---	---	---	---	11.06	10.57	9.11	9.42	8.97

WTR YR 1995 MEAN 9.43 MAX 11.25 MIN 8.84

05514741 HUDSON LAKE AT HUDSON LAKE, IN

LOCATION.--Lat 41°42'42", long 86°32'13", in SE$^1/_4$SW$^1/_4$ sec.28, T.38 N., R.1 W., LaPorte County, Hydrologic Unit 07120001 (NEW CARLISLE, IN quadrangle). The gage is on the southeast shore of lake, and 0.7 mi west of the the town line of New Carlisle.

SURFACE AREA.--432 acres.

DRAINAGE AREA.--7.92 mi^2.

PERIOD OF RECORD.--1946-76, 1978 to current year.

DATUM OF GAGE.--750.00 ft above sea level. Prior to Oct. 1, 1965, the datum of the gage was 760.00 ft above sea level. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed.

ESTABLISHED LEGAL LEVEL.--13.09 ft gage datum or 763.09 ft above sea level as decreed on August 31, 1949, by the St. Joseph County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a 24-inch reinforced concrete pipe with a gate chamber and slide gate.

INLET AND OUTLET.--The one inlet flows into the lake at the extreme northeast tip from Saugany Lake, approximately 1.7 mi upstream. The outlet flows from the lake on the east shore to Geyer Ditch and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 16.90 ft May 3, 1983; minimum stage, 7.60 ft Nov. 15, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.31	13.70	13.54	13.26	13.26	13.15	13.29	13.69	13.66	13.37	13.81	---
10	13.33	13.76	13.61	13.22	13.25	13.24	13.45	13.78	13.55	13.38	13.81	---
15	13.30	13.79	13.50	13.34	13.25	13.17	13.55	13.78	13.43	13.46	13.78	---
20	13.33	13.79	13.45	13.36	13.17	13.17	13.61	13.79	13.35	13.53	---	---
25	13.31	13.68	13.36	13.35	13.16	13.19	13.63	13.87	13.29	13.62	---	---
EOM	13.46	13.63	13.30	13.29	13.19	13.26	13.68	13.73	13.39	13.64	---	---

WTR YR 1995 MEAN 13.47 MAX 13.88 MIN 13.15

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097680 JIMMERSON LAKE AT NEVADA MILLS, IN

LOCATION.--Lat 41°43'31", long 85°04'55", in SW$^1/_4$NW$^1/_4$ sec.30, T.38 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is at the extreme west end of the lake on the abutment of the concrete spillway structure and dam in the town of Nevada Mills, 4.6 mi east of Orland.

SURFACE AREA.--434 acres.

DRAINAGE AREA.--51.6 mi^2.

PERIOD OF RECORD.--1937-44, 1946 to current year. (Lake level readings were made once a week by employees of Northern Indiana Public Service Company from 1937 to 1944.)

DATUM OF GAGE.--960.27 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources in June 1972.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well attached to the control structure. An auxiliary staff gage is bolted to the same wall.

ESTABLISHED LEGAL LEVEL.--4.66 ft gage datum or 964.66 ft above sea level as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.66 ft gage datum or 964.93 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed-crest dam.

INLET AND OUTLET.--Crooked Creek flows through the lake, entering from Lake James at the extreme southeast end, and leaving from the northwest. Crooked Creek flows through Tamarack Lake and becomes Fawn River, which eventually empties into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.22 ft May 27, 1943; minimum stage, 3.71 ft Feb. 16, 17, 1948.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

(NO DATA COLLECTED DUE TO CONSTRUCTION)

03331438 KING LAKE NEAR DELONG, IN

LOCATION.--Lat 41°07'48", long 86°25'23", in NW¼SW¼SE¼ sec.16, T.31 N., R.1 E., Fulton County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is located on the northern shore of the lake, on the lake access road, 0.6 mi southwest of Delong.

SURFACE AREA.--18 acres.

DRAINAGE AREA.--1.98 mi².

PERIOD OF RECORD.--1970-72, 1975 to current year.

DATUM OF GAGE.--730.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is normally controlled by the outlet channel bed. At high stages the control changes to the outlet culvert under old State Highway 17. The culvert is located about 700 ft north of the lake.

INLET AND OUTLET.--The inlet is an unnamed ditch which enters the lake from the southeastern side. The outlet exits the lake on the northern side and flows north approximately 1.5 mi to the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.69 ft June 14, 1981; minimum stage, 3.60 ft Oct. 23-26, 28-31, November 1, 2, 1974.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.40	6.12	6.83	6.72	6.75	6.87	6.86	7.08	---	7.09	6.87	6.27
10	5.50	6.41	6.79	6.72	6.75	7.00	7.43	---	---	7.06	6.83	6.23
15	5.45	6.49	6.67	6.96	6.75	6.93	7.09	---	---	7.01	6.72	6.14
20	5.43	6.52	6.69	6.84	6.81	6.92	7.12	---	---	6.94	6.64	6.08
25	5.37	6.52	6.66	6.86	6.68	6.89	7.09	---	6.72	6.89	6.52	6.01
EOM	5.49	6.84	6.70	6.74	6.80	6.90	7.09	---	7.07	6.76	6.41	5.93

WTR YR 1995 MEAN 6.61 MAX 7.43 MIN 5.26

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100390 KNAPP LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat. 41°20'36", long 85°36'17", in SW¼NE¼SW¼ sec.4, T.33 N., R.8 E., Noble County, Hydrologic Unit 04050001 (ORMAS, IN quadrangle). The gage is at a public fishing site on the east side of the lake, and 5.8 mi west of the town of Wolflake.

SURFACE AREA.--88 acres.

DRAINAGE AREA.--6.02 mi².

PERIOD OF RECORD.--1946-74, 1976 to current year.

DATUM OF GAGE.--870.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.25 ft gage datum or 878.25 ft above sea level as decreed on October 7, 1954, by the Noble County Circuit Court. Harper Lake, Moss Lake, and Hindman Lake, all near Washington Center, have the same established level as Knapp Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The lake level is controlled by the outlet channel.

INLET AND OUTLET.--There are three inlets. The outlet of Little Knapp Lake enters at the southeastern corner, the outlet of Harper Lake enters at the southernmost tip, and Galloway Ditch enters on the eastern shore. The outlet flows from the lake on the western shore, through a series of lakes, into Turkey Creek and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.10 ft June 27, 1968; minimum stage, 6.14 ft Mar. 26, 1994.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.86	7.22	6.95	6.84	7.06	7.14	7.17	---	---	---	7.69	---
10	6.98	7.20	7.29	6.83	6.95	7.95	8.59	---	---	---	---	---
15	7.02	7.11	7.08	7.19	6.88	7.60	8.41	---	---	---	---	---
20	7.12	7.02	7.04	7.69	6.91	7.37	8.05	---	---	---	---	---
25	7.16	6.98	6.95	7.51	6.98	7.20	7.97	---	---	---	---	---
EOM	7.20	7.04	6.91	7.17	7.17	7.16	8.19	---	---	7.05	---	---

WTR YR 1995 MEAN 7.26 MAX 8.77 MIN 6.83

05515600 KOONTZ LAKE AT KOONTZ LAKE, IN

LOCATION.--Lat 41°24'42", long 86°29'18", in SW¼SE¼NE¼ sec.11, T.34 N., R.1 W., Starke County, Hydrologic Unit 07120001 (WALKERTON, IN quadrangle). The gage is on the western tip of the lake, at the control dam on State Highway 23, at the town of Koontz Lake.

SURFACE AREA.--346 acres.

DRAINAGE AREA.--6.25 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--710.12 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--4.56 ft gage datum or 714.56 ft above sea level as decreed on September 15, 1948, by the Starke County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 4.56 ft gage datum or 714.68 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--Lawrence Pontius Ditch and an unnamed ditch enter the lake on the south shore of the east lobe. The outlet flows from the lake at the western tip and into Robbins Ditch 1400 ft downstream. Robbins Ditch empties into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.10 ft Oct. 11, 1954; minimum stage, 3.10 ft Oct. 12, 1970.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.46	4.71	4.57	4.55	4.64	4.60	4.54	4.60	4.58	4.54	4.66	4.40
10	4.51	4.69	4.70	4.55	4.64	4.71	4.83	4.59	4.55	4.50	4.54	4.39
15	4.49	4.62	4.61	4.68	4.64	4.63	4.69	4.59	4.52	4.52	4.52	4.37
20	4.51	4.57	4.61	4.72	4.64	4.57	4.67	4.58	4.48	4.48	4.53	4.34
25	4.47	4.54	4.58	4.71	4.67	4.55	4.66	4.73	4.48	4.48	4.45	4.33
EOM	4.62	4.58	4.58	4.71	4.66	4.56	4.64	4.62	4.57	4.44	4.44	4.30

WTR YR 1995 MEAN 4.57 MAX 4.83 MIN 4.30

05517800 LAKE ELIZA NEAR BEATRICE, IN

LOCATION.--Lat 41°25'55", long 87°10'33", in SW¼NE¼NW¼ sec.1, T.34 N., R.7 W., Porter County, Hydrologic Unit 07120001 (PALMER, IN quadrangle). The gage is on the east bank of a boat channel off the northernmost end of the lake, south of the bridge over the channel, and at the town of Lake Eliza.

SURFACE AREA.--45 acres.

DRAINAGE AREA.--1.70 mi².

PERIOD OF RECORD.--1954-74, 1976 to current year.

DATUM OF GAGE.--735.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the bridge piling.

ESTABLISHED LEGAL LEVEL.--3.70 ft gage datum or 738.70 ft above sea level as decreed on February 7, 1982, by the Porter County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a reinforced concrete dam with fixed crest.

INLET AND OUTLET.--Two small inlets enter the lake from the northwest and the northeast. The outlet flows from the lake on the south side through a dredged channel, forms the head waters of Wolf Creek, and eventually joins the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.24 ft June 14, 1981; minimum stage, 2.45 ft Oct. 13-15, 1988.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.13	3.69	4.21	4.17	4.17	4.31	4.15	4.21	4.14	3.95	3.81	3.43
10	3.18	3.87	4.41	4.18	4.15	4.83	4.67	4.18	4.13	3.87	3.75	3.41
15	3.14	3.95	4.20	4.66	4.11	4.23	4.23	4.14	4.05	3.84	3.65	3.35
20	3.13	3.97	4.21	4.46	4.12	4.19	4.24	4.13	3.94	3.74	3.67	3.32
25	3.07	3.96	4.18	4.22	4.12	4.14	4.18	4.37	3.85	3.69	3.57	3.26
EOM	3.27	4.31	4.20	4.19	4.27	4.25	4.21	4.19	3.99	3.65	3.52	3.20

WTR YR 1995 MEAN 3.95 MAX 4.83 MIN 3.03

04097950 LAKE GAGE AT PANAMA, IN

LOCATION.--Lat 41°42'32", long 85°06'53", in SE¼SE¼NW¼ sec.35, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is at the bridge over the outlet on the northern tip of the lake, 0.4 mi northwest of Panama, and 3.3 mi southeast of Orland.

SURFACE AREA.--332 acres.

DRAINAGE AREA.--17.3 mi^2.

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--950.00 ft above sea level.

GAGE.--A water-stage recorder is installed in a wooden shelter over a 24-inch diameter stilling well at the downstream side of the bridge. An auxiliary staff gage is at the same site.

ESTABLISHED LEGAL LEVEL.--4.25 ft gage datum or 954.25 ft above sea level as decreed on July 3, 1947, by the Steuben County Circuit Court. Lime Lake at Panama has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and one adjustable gate at the outlet of Lime Lake.

INLET AND OUTLET.--The one inlet flows into the lake on the extreme eastern shore from the Third Basin of Crooked Lake, 1.4 mi upstream. The outlet flows from the northern tip into Lime Lake approximately 600 ft downstream, then eventually into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.55 ft Apr. 25, 1950; minimum stage, 3.41 ft Nov. 13, 15-20, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.15	4.35	4.45	4.49	4.65	4.65	4.64	4.78	4.79	4.70	4.61	4.49
10	4.19	4.40	4.60	4.55	4.65	4.73	4.82	4.78	4.84	4.61	4.55	4.46
15	4.18	4.39	4.56	4.64	4.64	4.70	4.77	4.73	4.70	4.58	4.52	4.40
20	4.22	4.38	4.59	4.73	4.65	4.71	4.77	4.71	4.63	4.52	4.86	4.37
25	4.20	4.33	4.55	4.73	4.63	4.69	4.76	4.90	4.69	4.50	4.67	4.35
EOM	4.21	4.41	4.56	4.69	4.66	4.67	4.78	4.85	4.83	4.45	4.58	4.33

WTR YR 1995 MEAN 4.58 MAX 4.95 MIN 4.15

STREAMS TRIBUTARY TO LAKE MICHIGAN

04092990 LAKE GEORGE AT HOBART, IN

LOCATION.--Lat 41°32'07", long 87°15'30", in NW¼NW¼NW¼ sec.32, T.36 N., R.7 W., Lake County, Hydrologic Unit 04040001 (GARY, IN quadrangle). The gage is on the northeast end of the lake, 70 ft northwest of the dam and 400 ft upstream of the Ridge Road bridge, in Hobart.

SURFACE AREA.--282 acres.

DRAINAGE AREA.--124 mi^2.

PERIOD OF RECORD.--1947 to current year.

DATUM OF GAGE.--600.00 ft above sea level.

GAGE.--A water-stage recorder is installed in a steel shelter over an 18-inch diameter clay stilling well.

ESTABLISHED LEGAL LEVEL.--2.23 ft gage datum or 602.23 ft above sea level as decreed on September 18, 1959, by the Lake County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with removable boards.

INLET AND OUTLET.--The two principal inlets are Turkey Creek, entering from the extreme southwestern tip, and Deep River, entering on the northeastern shore of the southern lobe. Three unnamed tributaries enter from the northwest, south, and southeast. The outlet, Deep River, flows from the lake at the northeast end and eventually joins the Calumet River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.14 ft Oct. 11, 1954; minimum stage, 0.27 ft Nov. 6, 1978 (while the lake was being drained).

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.99	2.27	2.20	2.08	2.18	2.26	2.24	2.25	2.06	2.14	2.10	1.98
10	2.12	2.33	2.49	2.09	2.11	2.52	3.78	2.38	2.21	2.10	2.10	2.02
15	2.01	2.21	2.20	3.77	2.08	2.45	2.83	2.35	2.13	2.18	2.02	1.99
20	2.02	2.13	2.24	3.26	2.13	1.97	2.12	2.21	2.07	2.03	2.22	2.00
25	2.00	2.13	2.21	2.28	2.12	2.26	2.38	3.03	2.04	2.09	2.03	1.99
EOM	2.24	2.23	2.18	2.09	2.73	2.35	2.43	2.14	2.22	2.08	1.99	1.98

WTR YR 1995 MEAN 2.24 MAX 4.24 MIN 1.96

04097550 LAKE GEORGE AT JAMESTOWN, IN

LOCATION.--Lat 41°44'58", long 85°01'01", in SE¼NW¼SE¼ sec.15, T.38 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ANGOLA WEST, IN quadrangle). The gage is 25 ft east of the outlet dam on the southwest end of the lake at Jamestown, 8.0 mi north of Angola.

SURFACE AREA.--488 acres.

DRAINAGE AREA.--14.7 mi².

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--980.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--5.28 ft gage datum or 985.28 ft above sea level as decreed on October 12, 1945, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with removable boards.

INLET AND OUTLET.--The inlet flows from Silver Lake, 0.8 mi upstream, and enters on the north shore. The outlet flows from the southwest end of the lake and forms Crooked Creek. Crooked Creek flows into Mud Lake 0.8 mi downstream, then enters Snow Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.20 ft Apr. 4, 25, 1950; minimum stage, 4.20 ft Dec. 6, 7, 1946; Oct. 23-31, 1948.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.33	5.48	5.57	5.61	5.70	5.70	5.65	5.73	5.75	5.63	5.76	5.58
10	5.36	5.56	5.67	5.61	5.70	5.70	5.83	5.76	5.70	5.58	5.67	5.58
15	5.35	5.55	5.62	5.69	5.70	5.70	5.78	5.73	5.65	5.57	5.63	5.55
20	5.35	5.54	5.64	5.73	5.70	5.73	5.77	5.70	5.61	5.49	5.83	5.49
25	5.35	5.52	5.64	5.74	5.70	5.70	5.75	5.85	5.61	5.49	5.68	5.51
EOM	5.36	5.57	5.62	5.74	5.70	5.68	5.73	5.82	5.70	5.48	5.64	5.50

WTR YR 1995 MEAN 5.63 MAX 5.87 MIN 5.33

WABASH RIVER BASIN

03331380 LAKE MANITOU AT ROCHESTER, IN

LOCATION.--Lat 41°03'00", long 86°10'06", NW¼SW¼NW¼ sec.14, T.30 N., R.3 E., Fulton County, Hydrologic Unit 05120106 (ROCHESTER, IN quadrangle). The gage is located at the Public Fishing Site on the eastern side of the lake, and 2.6 mi southeast of the courthouse in Rochester.

SURFACE AREA.--1,158 acres.

DRAINAGE AREA.--44.2 mi².

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--770.00 ft above sea level.

GAGE.--A water-stage recorder is installed in a aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is located at the northwest end of the lake at the fish hatchery.

ESTABLISHED LEGAL LEVEL.--8.41 ft gage datum or 778.41 ft above sea level as decreed on September 27, 1948, by the Fulton County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by a concrete dam and the gate of a feeder canal at the lake outlet.

INLET AND OUTLET.--Rain Creek is the main inlet and enters at the southeastern edge of the lake. The other inlet is located on the eastern shore of the lake at the site of the gage. The outlet is Mill Creek, which exits at the northwestern tip of the lake and flows 3.5 mi to the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.87 ft Aug. 19, 1990; minimum stage, 6.48 ft Nov. 14, 25-27, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.32	9.45	9.38	9.38	---	---	9.46	9.56	9.57	---	---	9.20
10	9.35	9.43	9.56	9.42	---	9.75	9.75	9.55	9.61	---	---	9.19
15	9.30	9.38	9.42	---	---	9.58	9.69	9.59	9.51	---	---	9.16
20	9.35	9.32	9.44	---	---	9.55	9.64	9.61	9.45	---	9.33	9.15
25	9.31	9.32	9.40	---	---	9.48	9.60	9.84	---	---	9.26	9.09
EOM	9.34	9.41	9.40	---	---	9.49	9.60	9.71	---	---	9.25	9.06

WTR YR 1995 MEAN 9.44 MAX 9.89 MIN 9.06

03331440 LAKE MAXINKUCKEE AT CULVER, IN

LOCATION.--Lat 41°11'48", long 86°25'00", in NE$^1/_4$SE$^1/_4$NW$^1/_4$ sec.28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the lower west side of the lake, at the public fishing site, 1.4 mi south of the center of Culver.

SURFACE AREA.--1,864 acres.

DRAINAGE AREA.--13.7 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--730.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the upstream side of the north abutment of the outlet dam.

ESTABLISHED LEGAL LEVEL.--3.12 ft gage datum or 733.12 ft above sea level as decreed on August 9, 1948, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel.

INLET AND OUTLET.--Wilson Ditch enters the lake at the northeast corner, Curtiss Ditch enters at the east center, and Norris Inlet enters at the southeast corner. The outlet leaves the lake at the western shore, north of the point, and flows into Lost Lake 1,600 ft downstream, thence into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.48 ft June 14, 15, 1981; minimum stage, 2.12 ft Nov. 19, 1953 and Nov. 19, 1956.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.86	3.09	3.20	3.31	3.50	3.45	3.60	3.77	3.89	3.52	3.47	3.06
10	2.88	3.22	3.37	3.31	3.48	3.67	3.90	3.71	3.84	3.43	3.43	3.02
15	2.85	3.24	3.34	3.47	3.45	3.66	3.94	3.70	3.70	3.44	3.34	2.96
20	2.84	3.21	3.38	3.58	3.43	3.67	3.93	3.68	3.60	3.36	3.33	2.90
25	2.80	3.16	3.36	3.56	3.41	3.62	3.90	4.02	3.60	3.37	3.21	2.84
EOM	2.86	3.20	3.35	3.52	3.45	3.62	3.86	3.97	3.62	3.28	3.13	2.80

WTR YR 1995 MEAN 3.41 MAX 4.04 MIN 2.75

ILLINOIS RIVER BASIN

05516200 LAKE OF THE WOODS NEAR BREMEN, IN

LOCATION.--Lat 41°25'04", long 86°13'44", in SW$^1/_4$NW$^1/_4$NW$^1/_4$ sec.7, T.34 N., R.3 E., Marshall County, Hydrologic Unit 07120001 (BREMEN, IN quadrangle). The gage is on the southwest shore of the lake, at the public fishing site, and 4.7 mi southwest of Bremen.

SURFACE AREA.--416 acres.

DRAINAGE AREA.--9.45 mi^2.

PERIOD OF RECORD.--1945 to current year.

DATUM OF GAGE.--800.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the outlet channel.

ESTABLISHED LEGAL LEVEL.--3.85 ft gage datum or 803.85 ft above sea level as decreed on August 9, 1948, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a 13 ft by 1 ft notch. The dam is equipped with a lift gate.

INLET AND OUTLET.--Three ditches, Kimble, Martin, and Seltenright, enter the lake on the northwest shore. Scofield Ditch enters at the west lobe. The outlet, Clark Ditch, flows from the lake at the southern end and eventually into Yellow River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.68 ft Oct. 12, 1954; minimum stage, 2.75 ft Nov. 18-20, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.97	3.51	3.25	3.27	3.37	3.54	3.34	3.41	3.86	3.90	3.76	3.69
10	3.01	3.71	3.74	3.23	3.31	3.84	3.82	3.45	3.92	3.86	3.71	3.72
15	2.98	3.53	3.51	3.62	3.25	3.67	3.76	3.38	3.88	3.93	3.74	3.63
20	2.98	3.36	3.52	3.73	3.40	3.55	3.60	3.48	3.83	3.90	3.96	3.26
25	2.95	3.26	3.42	3.56	3.42	3.42	3.53	3.99	3.79	3.84	3.80	3.06
EOM	3.18	3.30	3.33	3.39	3.61	3.40	3.49	3.72	3.96	3.77	3.75	2.97

WTR YR 1995 MEAN 3.53 MAX 4.07 MIN 2.92

04099580 LAKE OF THE WOODS NEAR HELMER, IN

LOCATION.--Lat 41°32'30", long 85°11'42", in SE¼SE¼SE¼ sec.25, T.36 N., R.11 E., Lagrange County, Hydrologic Unit 04050001 (STROH, IN quadrangle). The gage is on the west shore of Duck Pond, a basin connecting Lake of the Woods and McClish Lake, approximately 100 ft south of the bridge over the channel, and 1.5 mi northwest of Helmer.

SURFACE AREA.--136 acres.

DRAINAGE AREA.--5.25 mi^2.

PERIOD OF RECORD.--1951-74, 1977 to current year.

DATUM OF GAGE.--940.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--11.09 ft gage datum or 951.09 ft above sea level as decreed on July 21, 1960, by the Lagrange County Circuit Court. McClish Lake near Helmer has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed sill.

INLET AND OUTLET.--There are four inlets to the lake. Spectacle Lake drains into the west shore, Maumee Ditch enters from the south, Goose Pond flows through a short channel to the southwest shore, and McClish Lake drains into the lake on the southeast shore. The outlet flows to the north from the east end of the lake and through Taylor, Mud, and Little Turkey Lakes to Turkey Creek, thence into Pigeon River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.00 ft Dec. 24, 25, 1967; minimum stage, 9.81 ft Nov. 17-20, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.82	10.89	10.98	11.31	11.56	11.58	11.42	11.52	11.53	11.57	11.53	11.18
10	10.83	10.94	11.26	11.31	11.56	11.80	12.00	11.52	11.46	11.40	11.41	11.21
15	10.79	10.94	11.27	11.48	11.56	11.67	11.81	11.49	11.36	11.39	11.33	11.15
20	10.81	10.93	11.34	11.60	11.56	11.63	11.65	11.45	11.31	11.30	11.49	11.13
25	10.78	10.89	11.34	11.66	11.55	11.52	11.55	11.83	11.28	11.27	11.32	11.10
EOM	10.76	10.94	11.33	11.58	11.54	11.47	11.53	11.70	11.86	11.34	11.25	11.07

WTR YR 1995 MEAN 11.35 MAX 12.03 MIN 10.75

STREAMS TRIBUTARY TO LAKE MICHIGAN

04097520 LAKE PLEASANT NEAR NEVADA MILLS, IN

LOCATION.--Lat 41°45'18", long 85°06'10", in NW¼SW¼NW¼ sec.13, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001 (KINDERHOOK, MI-IN quadrangle). The gage is at a bridge over a boat channel on the south shore of the lake, 2.3 mi northwest of Nevada Mills.

SURFACE AREA.--424 acres.

DRAINAGE AREA.--3.18 mi^2.

PERIOD OF RECORD.--1954-69, 1971, 1976 to current year.

DATUM OF GAGE.--960.40 ft above sea level as corrected on the basis of levels of Indiana Department of Natural Resources, 1977-78.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the southwest bridge abutment at the site.

ESTABLISHED LEGAL LEVEL.--1.10 ft gage datum or 961.50 ft above sea level as decreed on April 11, 1986, by the Steuben County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a metal plate welded across the bottom of a corrugated metal pipe.

INLET AND OUTLET.--The one inlet enters the lake on the west side. The outlet flows from the northern shore, enters Michigan, and eventually empties into Prairie River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 2.04 ft Mar. 17, 1980; minimum stage, -0.14 ft Nov. 6-14, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.74	.87	1.02	1.28	1.51	1.47	1.44	1.54	1.55	1.46	---	---
10	.78	.94	1.19	1.28	1.50	1.59	1.62	1.53	1.59	1.37	---	---
15	.74	.94	1.19	1.49	1.50	1.58	1.58	1.49	1.50	1.31	---	---
20	.76	.92	1.25	1.56	1.48	1.55	1.56	1.47	1.42	1.25	---	---
25	.72	.90	1.26	1.58	1.44	1.49	1.54	1.63	1.42	1.22	---	---
EOM	.74	.98	1.29	1.53	1.47	1.48	1.55	1.60	1.54	---	---	---

WTR YR 1995 MEAN 1.32 MAX 1.63 MIN .70

04100160 LITTLE LONG LAKE AT KENDALLVILLE, IN

LOCATION.--Lat 41°27'49", long 85°15'27", in SE¼NW¼NE¼ sec.28, T.35 N., R.11 E., Noble County, Hydrologic Unit 04050001 (KENDALLVILLE, IN quadrangle). The gage is on the south side of the lake at the bridge over the dredged channel in Wakeville Village, 1.6 mi northeast of City Hall in Kendallville.

SURFACE AREA.--71 acres.

DRAINAGE AREA.--4.55 mi^2.

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--950.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the west wingwall on the south side of the bridge.

ESTABLISHED LEGAL LEVEL.--4.50 ft gage datum or 954.50 ft above sea level as decreed on March 26, 1970. Round Lake at Kendallville has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam.

INLET AND OUTLET.--The one inlet enters on the east side from Round Lake. The outlet, Waterhouse Ditch, flows from the lake at the southwest end and into Henderson Lake Ditch, thence into Sylvan Lake 4.8 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.75 ft Jan. 31, 1969; minimum stage, 3.33 ft Nov. 17, 18, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.13	4.17	4.28	4.81	4.80	4.80	4.71	4.77	4.80	4.85	4.82	4.50
10	4.14	4.25	4.65	4.81	4.80	4.76	5.24	4.82	4.74	4.71	4.72	4.69
15	4.10	4.24	4.66	---	4.80	4.88	4.98	4.79	4.70	4.66	4.73	4.63
20	4.12	4.23	4.74	---	4.80	4.84	4.87	4.75	4.66	4.61	4.73	4.59
25	4.08	4.19	4.75	---	4.80	4.79	4.80	5.14	4.66	4.63	4.63	4.58
EOM	4.05	4.24	4.79	---	4.80	4.74	4.79	4.89	5.27	4.67	4.57	4.55

WTR YR 1995 MEAN 4.65 MAX 5.39 MIN 4.04

WABASH RIVER BASIN

03328100 LONG LAKE AT LAKETON, IN

LOCATION.--Lat 40°59'08", long 85°50'20", in NE¼NW¼NE¼ sec.10, T.29 N., R.6 E., Wabash County, Hydrologic Unit 05120104 (NORTH MANCHESTER SOUTH, IN quadrangle). The gage is located on the north shore of the lake, 0.3 mi west of Crill Road, and 0.8 mi north of Laketon.

SURFACE AREA.--48 acres.

DRAINAGE AREA.--0.55 mi^2.

PERIOD OF RECORD.--1946-51, 1959 to current year.

DATUM OF GAGE.--740.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage, driven into the lake bed, is located 50 ft lakeward of the primary gage.

ESTABLISHED LEGAL LEVEL.--11.19 ft gage datum or 751.19 ft above sea level as decreed on July 26, 1951, by the Wabash County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by an 18-inch corrugated metal pipe draining into a clay tile.

INLET AND OUTLET.--Two tile ditches flow into the lake. The outlet flows from the west end of the lake, joins the outlet of Mud Lake, continues through Round Lake, then into Eel River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.66 ft Mar. 22, 1982; minimum stage, 8.68 ft Dec. 1-3, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.69	10.56	10.46	10.52	10.83	10.85	11.00	11.38	11.60	11.80	11.66	11.08
10	10.66	10.58	10.62	10.52	10.83	11.09	11.18	11.37	11.67	11.73	11.59	10.95
15	10.59	10.55	10.58	10.62	10.84	11.06	11.27	11.42	11.59	11.70	11.49	10.86
20	10.56	10.51	10.60	10.82	10.84	11.06	11.35	11.48	11.51	11.62	11.45	10.77
25	10.50	10.43	10.58	10.84	10.83	11.02	11.36	11.58	11.48	11.60	11.31	10.68
EOM	10.46	10.44	10.58	10.84	10.85	11.03	11.38	11.62	11.88	11.51	11.20	10.61

WTR YR 1995 MEAN 11.04 MAX 11.88 MIN 10.41

04099200 LONG LAKE AT MOONLIGHT, IN

LOCATION.--Lat 41°35'01", long 85°01'43", in NE¹/₄NE¹/₄NE¹/₄ sec.16, T.36 N., R.13 E., Steuben County, Hydrologic Unit 04050001 (ASHLEY, IN quadrangle). The gage is located on the northern shore, 0.4 mi east of the lake outlet and 2.5 mi north of Steubenville.

SURFACE AREA.--92 acres.

DRAINAGE AREA.--67.9 mi².

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--940.10 ft above sea level as corrected on the basis of levels of Indiana Department of Natural Resources, 1977.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is located near the gage in two sections. One section is mounted on a post which is driven into the lake bed. The other section is mounted to a tree near the gage.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The lake level is controlled by the downstream channel.

INLET AND OUTLET.--Pigeon Creek flows into Long Lake at the eastern end of the lake and exits at the western end.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 17.42 ft Mar. 22, 1982; minimum stage, 8.58 ft Sept. 22 and 23, 1994.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.62	8.80	8.81	8.86	9.07	9.27	9.26	9.67	9.84	9.75	9.22	8.95
10	8.68	8.89	9.73	8.82	8.94	11.37	12.21	9.81	9.47	9.27	9.00	9.01
15	8.64	8.82	9.10	9.75	8.86	10.38	11.13	9.79	9.23	9.10	8.98	8.93
20	8.67	8.74	9.38	10.14	9.26	9.79	10.20	9.50	9.09	9.01	10.91	8.90
25	8.62	8.74	9.06	9.86	9.41	9.58	9.84	11.49	9.35	8.98	9.52	8.90
EOM	8.66	8.84	8.93	9.22	9.54	9.38	9.67	10.91	11.14	8.95	9.08	8.87

WTR YR 1995 MEAN 9.41 MAX 12.37 MIN 8.61

WABASH RIVER BASIN

03331460 LOST LAKE NEAR CULVER, IN

LOCATION.--Lat 41°12'01", long 86°25'19", in NE¹/₄NW¹/₄NW¹/₄ sec.28, T.32 N., R.1 E., Marshall County, Hydrologic Unit 05120106 (CULVER, IN quadrangle). The gage is on the northern shore of the lake at the east end of West 19th Road (lake access road), 1.1 mi south of the center of Culver.

SURFACE AREA.--40 acres.

DRAINAGE AREA.--14.2 mi².

PERIOD OF RECORD.--1954-64, 1963-74, 1976 to current year. (Formerly published as Hawks Lake near Culver.)

DATUM OF GAGE.--720.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--12.00 ft gage datum or 732.00 ft above sea level as decreed on February 17, 1960, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam and sill with removable boards in the outlet channel approximately 850 ft downstream from the main body of the lake.

INLET AND OUTLET.--The one inlet flows into the lake from Maxinkuckee Lake and enters on the north shore. The outlet flows from the south end of the lake to the Tippecanoe River 3.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.05 ft June 15, 1981; minimum stage, 10.12 ft July 9, 1959.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.19	11.49	11.83	11.90	12.02	12.02	11.94	12.16	12.26	12.08	12.04	11.68
10	11.19	11.78	11.93	11.91	12.02	12.11	12.21	12.16	12.24	12.00	11.99	11.68
15	11.16	11.85	11.92	11.99	12.00	12.00	12.24	12.13	12.16	12.02	11.94	11.55
20	11.15	11.86	11.94	12.07	11.99	12.01	12.24	12.14	12.08	11.96	11.93	11.54
25	11.11	11.80	11.94	12.04	12.00	11.96	12.23	12.29	12.09	11.96	11.82	11.54
EOM	11.19	11.83	11.93	12.04	12.02	11.97	12.20	12.26	12.11	11.89	11.73	11.44

WTR YR 1995 MEAN 11.90 MAX 12.31 MIN 11.09

03328400 LUKENS LAKE NEAR DISKO, IN

LOCATION.--Lat 40°58'09", long 85°56'06", in SW$^1/_4$NW$^1/_4$NE$^1/_4$ sec.14, T.29 N., R.5 E., Wabash County, Hydrologic Unit 05120104 (ROANN, IN quadrangle). The gage is 25 ft north of the outlet on the southwest side of the lake, 4.1 mi north of Roann.

SURFACE AREA.--46 acres.

DRAINAGE AREA.--1.76 mi^2.

PERIOD OF RECORD.--1948-49, 1959 to current year.

DATUM OF GAGE.--760.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is driven into the lake bed about 5 ft upstream from the outlet culvert.

ESTABLISHED LEGAL LEVEL.--3.60 ft gage datum or 763.60 ft above the sea level as decreed on March 29, 1978, by the Wabash County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two 18-inch corrugated metal culverts at the outlet.

INLET AND OUTLET.--The principal inlet is a tile drain from McColley Lake, 0.5 mi to the north. The outlet flows from the southwestern shore, into Bolley Ditch 0.7 mi downstream, thence into Squirrel Creek, and eventually into Eel River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.10 ft May 16, 1968; minimum stage, 2.32 ft Oct. 12, 1983.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.15	3.23	3.49	3.66	3.76	3.70	3.76	3.90	3.86	3.99	3.77	3.30
10	3.16	3.31	3.77	3.65	3.71	4.01	3.97	3.88	3.87	3.92	3.72	3.23
15	3.12	3.35	3.76	3.84	3.67	4.00	4.01	3.90	3.76	3.87	3.61	3.17
20	3.15	3.36	3.76	4.03	3.66	3.99	4.04	3.98	3.65	3.76	3.56	3.12
25	3.11	3.34	3.73	3.94	3.65	3.89	3.97	4.02	3.62	3.75	3.45	3.06
EOM	3.11	3.44	3.71	3.83	3.71	3.83	3.94	3.94	4.15	3.63	3.39	3.01

WTR YR 1995 MEAN 3.66 MAX 4.33 MIN 3.01

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100280 MUNCIE LAKE NEAR BURR OAK, IN

LOCATION.--Lat 41°19'37", long 85°27'28", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec.11, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001 (MERRIAM, IN quadrangle). The gage is on the southwest shore of the lake, just north of the gravel road on the Addis farm, and 1.3 mi northwest of Burr Oak.

SURFACE AREA.--47 acres.

DRAINAGE AREA.--42.8 mi^2.

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--880.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--There are three inlets to the lake. Forker Creek flows into the lake from the east, Brown Ditch from the southeast, and Carrol Creek from the west. The outlet flows from the northwest shore into Williams Lake, then into the South Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.47 ft Mar. 24, 25, 1978, Feb. 25, 26, 1985; minimum stage, 1.88 ft Aug. 8, 1988.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.22	2.72	2.73	2.67	2.93	2.90	2.82	3.33	4.15	3.69	3.45	2.81
10	2.29	2.79	3.21	2.67	2.77	4.34	5.69	3.27	3.70	3.22	3.21	2.74
15	2.26	2.70	2.93	3.22	2.66	3.58	5.49	3.31	3.39	3.01	3.06	2.57
20	2.37	2.68	2.93	4.10	2.73	3.11	4.14	3.24	3.11	2.88	3.07	2.53
25	2.46	2.62	2.84	4.35	2.80	2.91	3.44	5.21	2.95	2.81	2.99	2.49
EOM	2.60	2.69	2.75	3.27	3.03	2.85	---	4.95	4.70	2.75	2.88	2.46

WTR YR 1995 MEAN 3.15 MAX 6.41 MIN 2.21

04099700 NORTH TWIN LAKE NEAR HOWE, IN

LOCATION.--Lat 41°43'45", long 85°27'49", in SE$^1/_4$SW$^1/_4$SW$^1/_4$ sec.23, T.38 N., R.9 E., Lagrange County, Hydrologic Unit 04050001 (LAGRANGE, IN quadrangle). The gage is in the channel between North and South Twin Lakes, 100 ft upstream from the county road bridge, and 2.2 mi northwest of Howe.

SURFACE AREA.--135 acres.

DRAINAGE AREA.--1.54 mi^2.

PERIOD OF RECORD.--1953 to current year.

DATUM OF GAGE.--840.00 ft above sea level.

GAGE.--A staff gage is attached to the east concrete retaining wall of the control dam.

ESTABLISHED LEGAL LEVEL.--3.56 ft gage datum or 843.56 ft above sea level as decreed on September 11, 1959, by the Lagrange County Circuit Court. South Twin Lake near Howe has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--Prior to October 1, 1982, the low water control was a fixed-crest dam with removable boards at the upstream end of the channel between the two lakes. At high stages the outlet channel of South Twin Lake was the control. After October 1, 1982, a concrete dam with a fixed crest was installed in the outlet of South Twin Lake. This is now the control structure for both North and South Twin Lakes, although the original structure is still in place.

INLET AND OUTLET.--There are two inlets to the lake. One enters at the southeast shore from Still Lake 0.9 mi upstream, and the other, which drains the adjacent marsh land, enters on the northwest shore. The outlet flows from the southwest shore and into South Twin Lake approximately 200 ft downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 5.20 ft Feb. 26, 1985; minimum stage, 2.97 ft Aug. 20, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.38	3.74	3.70	3.57	3.58	3.59	3.50	3.50	3.50	3.49	3.52	3.39
10	3.40	3.68	3.74	3.56	3.56	3.59	3.52	3.50	3.48	3.45	3.46	3.40
15	3.40	3.56	3.66	3.60	3.54	3.57	3.51	3.47	3.46	3.42	3.42	3.36
20	3.40	3.48	3.63	3.66	3.52	3.52	3.50	3.46	3.44	3.40	3.53	3.36
25	3.43	3.46	3.59	3.66	3.52	3.50	3.50	3.54	3.40	3.40	3.42	3.37
EOM	3.50	3.69	3.57	3.59	3.56	3.52	3.52	3.52	3.54	3.39	3.42	3.36

WTR YR 1995 MEAN 3.51 MAX 3.76 MIN 3.36

WABASH RIVER BASIN

03331400 NYONA LAKE NEAR GREENOAK, IN

LOCATION.--Lat 40°57'40", long 86°11'20", in SE$^1/_4$SE$^1/_4$NE$^1/_4$ sec.16, T.29 N., R.3 E., Fulton County, Hydrologic Unit 05120106 (MACY, IN quadrangle). The gage is on the northwest shore of the southern lobe of the lake, at the public fishing site, and 2.4 mi south of Greenoak.

SURFACE AREA.--104 acres.

DRAINAGE AREA.--7.59 mi^2.

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--790.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--3.91 ft gage datum or 793.91 ft above sea level as decreed on September 27, 1948, by the Fulton County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest.

INLET AND OUTLET.--The lake is fed by two small ditches entering from the east and northeast. The outlet flows from the lake at the southwest corner and into Mud Creek, which eventually joins the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.13 ft Aug. 18, 1990; minimum stage, 2.98 ft Oct. 12-19, 25, 26, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.98	4.09	4.05	4.01	4.09	4.09	4.07	4.14	4.15	4.19	4.30	3.93
10	4.00	4.09	4.25	4.00	4.05	4.37	4.55	4.13	4.15	4.08	4.17	3.92
15	3.98	4.04	4.09	4.30	4.03	4.20	4.27	4.21	4.09	4.04	4.02	3.93
20	4.00	4.01	4.11	4.47	4.05	4.15	4.27	4.22	4.03	4.03	3.98	3.93
25	3.98	3.99	4.06	4.16	4.06	4.09	4.20	4.45	4.04	4.03	3.94	3.93
EOM	4.05	4.08	4.06	4.09	4.11	4.10	4.17	4.27	4.57	3.99	3.94	3.93

WTR YR 1995 MEAN 4.11 MAX 4.93 MIN 3.92

03371700 OGLE LAKE NEAR NASHVILLE, IN

LOCATION.--Lat 39°09'35", long 86°14'54", in NE¼SE¼NE¼ sec.1, T.8 N., R.2 E., Brown County, Hydrologic Unit 05120208 (NASHVILLE, IN quadrangle). The gage is on the dam, near the concrete intake structure on the west side of the lake, 3.3 mi south of Nashville.

SURFACE AREA.--20 acres.

DRAINAGE AREA.--1.03 mi^2.

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--710.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete flood spillway with a fixed crest.

INLET AND OUTLET.--Two ditches enter the lake, one from the east and one from the southeast. The outlet flows into Upper Schooner Creek, which joins Lower Schooner Creek, then flows into the North Fork of Salt Creek. The North Fork of Salt Creek empties into Monroe Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 6.80 ft June 23, 1960; minimum stage, -2.70 ft Feb. 12, 13, 1977.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.67	2.38	3.20	4.32	4.58	4.61	4.54	4.65	4.60	4.52	4.59	4.17
10	2.61	2.56	3.60	4.38	4.56	4.63	4.66	4.62	4.57	4.40	4.64	4.12
15	2.52	2.63	3.80	4.60	4.78	4.59	4.61	4.60	4.49	4.23	4.52	4.16
20	2.45	2.65	4.25	4.60	4.63	4.59	5.01	4.74	4.38	4.06	4.54	4.18
25	2.33	2.65	4.32	4.56	4.59	4.55	4.70	4.90	4.50	4.10	4.47	4.07
EOM	2.24	3.11	4.34	4.58	4.64	4.55	4.61	4.66	4.60	3.94	4.34	4.00

WTR YR 1995 MEAN 4.11 MAX 5.24 MIN 2.19

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100100 OLIVER LAKE NEAR VALENTINE, IN

LOCATION.--Lat 41°34'37", long 85°24'44", in SE¼SW¼NE¼ sec.18, T.36 N., R.10 E., Lagrange County, Hydrologic Unit 04050001 (OLIVER LAKE, IN quadrangle). The gage is at the public fishing site on the northwest side of the lake, and 1.6 mi southwest of Valentine.

SURFACE AREA.--362 acres.

DRAINAGE AREA.--11.1 mi^2.

PERIOD OF RECORD.--1945 to current year.

DATUM OF GAGE.--889.78 ft above sea level as corrected on the basis of levels of Indiana Department of Natural Resources, 1975-76.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxillary staff gage is attached to the dam in the outlet.

ESTABLISHED LEGAL LEVEL.--9.45 ft gage datum or 899.45 ft above sea level as decreed on September 29, 1952, by the Lagrange County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 9.45 ft gage datum or 899.23 ft above sea level. Martin and Olin Lakes near Valentine have the same established level as Oliver Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed sill and dam with movable boards.

INLET AND OUTLET.--The lake has several inlets. Dove Creek enters on the northwest, the outlet of Holsinger Hole on the north, Hart Ditch on the east, and the channel between Oliver and Olin Lakes on the southeast shore. The Oliver Lake outlet flows from the southwest lobe of the lake, through a wetland, into Hackenburg Lake 1.6 mi downstream, and eventually into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.77 ft June 14, 1981; minimum stage, 8.42 ft Jan. 18, 19, and Feb. 3-5, 1961.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.60	9.90	9.76	9.81	9.89	9.90	9.86	9.91	9.92	9.97	10.44	9.73
10	9.67	9.86	9.91	9.82	9.87	10.05	10.21	9.90	9.90	9.84	10.18	9.76
15	9.67	9.78	9.81	10.02	9.87	9.97	10.03	9.89	9.83	9.84	10.00	9.72
20	9.70	9.73	9.83	10.11	9.87	9.92	9.97	9.87	9.78	9.79	10.14	9.70
25	9.70	9.70	9.82	10.01	9.89	9.88	9.92	10.17	9.74	9.77	9.90	9.70
EOM	9.72	9.78	9.82	9.91	9.94	9.87	9.93	10.02	10.16	9.73	9.79	9.69

WTR YR 1995 MEAN 9.87 MAX 10.44 MIN 9.60

03331180 PALESTINE LAKE AT PALESTINE, IN

LOCATION.--Lat 41°10'48", long 85°56'54", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ sec.33, T.32 N., R.5 E., Kosciusko County, Hydrologic Unit 05120106 (BURKET, IN quadrangle). The gage is near the extreme northwestern corner of the lake, at the public access site, in the town of Palestine.

SURFACE AREA.--290 acres.

DRAINAGE AREA.--32.4 mi^2.

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--815.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is driven into the lake bed just north of the public access site.

ESTABLISHED LEGAL LEVEL.--1.62 ft gage datum or 816.62 ft above sea level as decreed on August 5, 1965, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by an old mill dam of stone and concrete (fixed crest) at the west lobe of the far northern shore.

INLET AND OUTLET.--There are four inlets to the lake. Magee Ditch enters from the north, Williamson Ditch from the west and the confluence of Adams and Sloan Ditches from the southeast. Trimble Creek flows through the lake, entering on the extreme southeastern end, leaving at the northwestern lobe and flowing into the Tippecanoe River 7.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 4.35 ft June 13, 1981; minimum stage, below -0.90 ft, lake drained, 1988.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.74	1.86	1.82	1.84	2.02	1.88	1.86	1.95	1.94	2.05	2.10	1.77
10	1.76	1.85	1.96	1.84	2.02	2.10	2.62	1.93	2.02	1.92	1.89	1.79
15	1.76	1.81	1.85	2.11	2.02	1.98	2.12	1.91	1.90	1.94	1.84	1.78
20	1.81	1.82	1.87	2.38	2.08	1.93	2.07	1.94	1.84	1.88	1.80	1.80
25	1.75	1.80	1.84	2.21	2.01	1.90	2.02	2.29	1.90	1.85	1.78	1.79
EOM	1.80	1.84	1.85	2.01	1.92	1.88	1.99	2.07	2.35	1.80	1.81	1.79

WTR YR 1995 MEAN 1.93 MAX 2.62 MIN 1.73

WABASH RIVER BASIN

03331040 PIKE LAKE AT WARSAW, IN

LOCATION.--Lat 41°15'44", long 85°51'00", in NE$^1/_4$NW$^1/_4$NE$^1/_4$ sec.5, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the extreme northwestern point of the lake at the bridge over the outlet, 1.6 mi north of Warsaw.

SURFACE AREA.--203 acres.

DRAINAGE AREA.--41.5 mi^2.

PERIOD OF RECORD.--1954 to current year.

DATUM OF GAGE.--800.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well attached to the upstream abutment of the control structure.

ESTABLISHED LEGAL LEVEL.--5.64 ft gage datum or 805.64 ft above sea level as decreed on December 12, 1963, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and removable boards.

INLET AND OUTLET.--The one inlet, Deeds Creek, flows from Little Chapman Lake 3.4 mi upstream, and enters the lake on the lower northern shore. The outlet flows to the west from the extreme northern end of the lake through Lones Ditch and enters the Tippecanoe River 0.9 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.79 ft Oct. 15, 1954; minimum stage, 3.71 ft Sept. 21, 22, 1955.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.67	4.90	4.89	---	5.23	5.02	4.95	6.00	6.07	6.04	6.17	5.69
10	5.73	4.95	5.29	---	5.01	5.72	6.29	5.97	6.13	5.92	5.95	5.68
15	5.69	4.87	5.09	---	4.94	5.55	6.59	5.92	5.89	5.84	5.85	5.67
20	5.73	4.84	5.03	---	4.99	5.29	6.28	5.90	5.85	5.82	5.81	5.68
25	5.70	4.80	4.96	---	4.99	5.12	5.87	6.59	5.91	5.80	5.80	5.69
EOM	4.96	4.92	4.89	---	5.16	4.99	5.94	6.36	6.42	5.75	5.72	5.68

WTR YR 1995 MEAN 5.59 MAX 6.95 MIN 4.78

05515220 PINE LAKE AT LAPORTE, IN

LOCATION.--Lat 41°37'01", long 86°44'58", in NE$^1/_4$SE$^1/_4$NW$^1/_4$ sec.34, T.37 N., R.3 W., LaPorte County, Hydrologic Unit 07120001 (LAPORTE EAST, IN quadrangle). The gage is at the highway bridge over the channel connecting Pine and Stone Lakes, on Waverly Beach Road, in LaPorte.

SURFACE AREA.--564 acres.

DRAINAGE AREA.--10.7 mi^2.

PERIOD OF RECORD.--1946-75, 1980 to current year.

DATUM OF GAGE.--780.00 ft above sea level. Prior to Oct. 1, 1964, the datum of the gage was 790.00 ft. All levels given below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed at the same site.

ESTABLISHED LEGAL LEVEL.--16.20 ft gage datum or 796.20 ft above sea level, as decreed on August 31, 1949, by the LaPorte County Circuit Court. Stone Lake at LaPorte has the same established level and hence the same lake levels during the periods of record when the channel between the two lakes is open and flowing, water years 1946-63 and 1968-85.

LAKE-LEVEL CONTROL.--Pine and Stone Lakes form a closed basin; however, there is a capability of pumping water from the lakes into the Little Kankakee River during times of high water.

INLET AND OUTLET.--Kabelin Ditch enters Pine Lake from the northwest through a large drain tile. Pine Lake is connected to Stone Lake by a channel on the southern tip.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 20.98 ft June 2, 3, 1993; minimum stage, 9.00 ft Nov. 14, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.48	19.48	19.35	19.43	19.63	19.52	19.42	19.61	19.55	19.31	19.21	18.69
10	19.44	19.50	19.49	19.45	19.62	19.63	19.57	19.59	19.49	19.19	19.13	18.59
15	19.34	19.48	19.48	19.58	19.55	19.60	19.63	19.53	19.40	19.21	19.06	18.49
20	19.31	19.41	19.49	19.62	19.51	19.53	19.63	19.48	19.29	19.23	19.01	18.42
25	19.21	19.30	19.47	19.64	19.50	19.49	19.62	19.55	19.15	19.21	18.88	---
EOM	19.29	19.35	19.46	19.63	19.55	19.48	19.64	19.49	19.34	19.09	18.79	---

WTR YR 1995 MEAN 19.36 MAX 19.65 MIN 18.39

ILLINOIS RIVER BASIN

05516600 PRETTY LAKE NEAR PLYMOUTH

LOCATION.--Lat 41°19"39", long 86°22'15", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 11, T. 33 N., R. 1 E., Marshall County, Hydrologic Unit 07120001, the gage is on the north shore of the lake, 3.3 mi southwest of Plymouth.

SURFACE AREA.--97 acres.

DRAINAGE AREA.--0.85 mi^2.

PERIOD OF RECORD.--1954-66. 1989 to current year.

DATUM OF GAGE.--780.00 ft above sea level.

GAGE.--A staff gage in one section is driven into the lake bed near house at 10099 Pretty Lake Trail.

ESTABLISHED LEGAL LEVEL.--7.36 ft gage datum or 787.36 ft above sea level as decreed on July 16, 1965, by the Marshall County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the banks. At times of very high water levels, water overflows the southeastern shore.

INLET AND OUTLET.--There are no inlets. There is no well-defined outlet.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.10 ft June 1, 1991; minimum stage, 4.90 ft Nov. 26, 27, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.62	---	---	---	---	---	---	9.13	9.12	8.97	9.29	8.74
10	8.64	---	---	---	---	---	---	9.11	9.06	8.96	9.13	8.69
15	8.59	---	---	---	---	---	---	9.12	8.96	8.89	9.07	8.61
20	8.57	---	---	---	---	---	---	9.06	8.87	9.14	9.02	8.53
25	8.52	---	---	---	---	---	---	9.26	8.80	9.10	8.92	8.46
EOM	8.46	---	---	---	---	---	---	9.19	9.02	9.05	8.83	8.42

WTR YR 1995 MEAN 8.90 MAX 9.29 MIN 8.42

05515800 RIDDLES LAKE NEAR LAKEVILLE, IN

LOCATION.--Lat 41°30'19", long 86°15'31", in NW$^1/_4$NE$^1/_4$ sec.11, T.35 N., R.2 E., St. Joseph County, Hydrologic Unit 07120001 (LAKEVILLE, IN quadrangle). The gage is on the east side of the lake, about 1.4 mi southeast of Lakeville.

SURFACE AREA.--77 acres.

DRAINAGE AREA.--11.7 mi^2.

PERIOD OF RECORD.--1946-71, 1976 to current year.

DATUM OF GAGE.--810.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to a wingwall of the control dam.

ESTABLISHED LEGAL LEVEL.--7.50 ft gage datum or 817.50 ft above sea level as decreed on July 3, 1953, by the St. Joseph County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel and concrete dam with a fixed crest. Boards may be added to raise the water level.

INLET AND OUTLET.--Heston Ditch flows through the lake, entering on the northern shore and leaving on the southern. The outflow eventually enters Yellow River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.49 ft Apr. 5, 1950; minimum stage, 6.40 ft July 25-31, Aug. 1-9, 22-31, Sept. 1-30, 1971.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.19	7.62	7.63	7.62	7.40	7.44	7.47	7.37	7.45	7.34	7.61	7.25
10	7.26	7.67	7.67	7.52	7.36	7.59	7.87	7.42	7.44	7.26	7.37	7.29
15	7.26	7.53	7.49	7.73	7.32	7.50	7.48	7.39	7.37	7.32	7.26	7.27
20	7.28	7.48	7.48	7.64	7.44	7.48	7.48	7.42	7.26	7.34	7.40	7.25
25	7.27	7.57	7.56	7.44	7.48	7.43	7.42	7.75	7.26	7.31	7.26	7.25
EOM	7.41	7.66	7.62	7.40	7.61	7.49	7.42	7.54	7.46	7.29	7.28	7.23

WTR YR 1995 MEAN 7.43 MAX 7.97 MIN 7.18

WABASH RIVER BASIN

03330300 RIDINGER LAKE NEAR PIERCETON, IN

LOCATION.--Lat 41°15'07", long 85°39'34", in SW$^1/_4$SW$^1/_4$SE$^1/_4$ sec.1, T.32 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is on the inlet channel, attached to the Adams Road bridge, 0.4 mi upstream from the lake and 4.4 mi northeast of Pierceton.

SURFACE AREA.--136 acres.

DRAINAGE AREA.--34.6 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--840.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well attached to the right downstream wingwall of the bridge. An auxiliary staff gage in two sections is at the control dam.

ESTABLISHED LEGAL LEVEL.--3.12 ft gage datum or 843.12 ft above sea level, as decreed on April 11, 1949, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest and a sluice-way with a steel gate for controlling high water. The dam is located in the outlet, 300 ft downstream from the lake.

INLET AND OUTLET.--Grassy Creek flows through the lake, entering at the southwestern end. Grassy Creek is formed 1.5 mi upstream by the outlet of Robinson Lake and Cedar Lake Branch. Grassy Creek leaves the lake at the northwestern end and flows into Big Barbee Lake, 3.5 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.01 ft Feb. 24, 1985; minimum stage, 1.35 ft Jan. 17-19, 1944.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.48	2.59	2.63	2.63	2.73	2.72	2.65	2.77	2.77	2.76	2.88	2.49
10	2.51	2.62	2.95	2.63	2.73	3.15	4.87	2.82	2.79	2.66	2.61	2.50
15	2.50	2.55	2.69	3.09	2.73	2.87	3.20	2.76	2.64	2.64	2.54	2.49
20	2.51	2.52	2.71	3.83	2.73	2.79	3.03	2.74	2.58	2.56	2.53	2.51
25	2.49	2.55	2.65	3.19	2.67	2.69	2.86	3.62	2.63	2.56	2.51	2.51
EOM	2.54	2.64	2.65	2.77	2.91	2.67	2.82	3.00	3.27	2.52	2.50	2.50

WTR YR 1995 MEAN 2.74 MAX 4.87 MIN 2.48

03330460 SAWMILL LAKE NEAR NORTH WEBSTER, IN

LOCATION.--Lat 41°17'22", long 85°42'52", in NE1/4SW1/4NE1/4 sec.28, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is near the southeastern corner of the county road bridge over the channel between Big Barbee Lake and Little Barbee Lake, 2.6 mi southwest of North Webster.

SURFACE AREA.--36 acres.

DRAINAGE AREA.--51.8 mi^2.

PERIOD OF RECORD.--1945-1970, 1972 to current year.

DATUM OF GAGE.--830.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the stilling well.

ESTABLISHED LEGAL LEVEL.--7.50 ft gage datum or 837.50 ft above sea level as decreed on October 18, 1949, by the Kosciusko County Circuit Court. All lakes in the Barbee Chain have the same established level and hence the same lake levels for the period of record. The lakes are as follows: Kuhn, Big Barbee, Little Barbee, Irish, Banning, Sechrist and Sawmill.

LAKE-LEVEL CONTROL.--The level of the lakes is controlled by a concrete dam with a fixed crest, located 600 ft upstream of the County Road 500 North bridge over the outlet of Sawmill Lake.

INLET AND OUTLET.--There are four inlets to the Barbee Chain. Grassy Creek flows into Big Barbee Lake at the southeastern side. The outlet of Heron Lake flows into Kuhn Lake from the north. Puntney ditch enters Little Barbee Lake from the south. The outlet from Shoe Lake flows into Banning Lake on the northeastern shore. The outlet, Grassy Creek, leaves Sawmill Lake at the northwestern tip and flows into Tippecanoe Lake 1.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.53 ft Mar. 20, 1982; minimum stage, 5.45 ft Jan. 29-31, Feb. 1-28, Mar. 1, 2, 1978.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.15	7.34	7.37	7.43	7.56	7.54	7.38	7.58	7.93	7.80	7.46	7.21
10	7.18	7.39	7.79	7.43	7.49	8.13	8.22	7.57	7.79	7.52	7.43	7.20
15	7.18	7.37	7.58	7.77	7.43	7.81	8.49	7.55	7.57	7.45	7.34	7.19
20	7.22	7.37	7.54	8.02	7.45	7.63	8.11	7.54	7.42	7.35	7.29	7.18
25	7.19	7.19	7.47	7.98	7.47	7.50	7.83	8.20	7.39	7.33	7.24	7.18
EOM	7.20	7.31	7.43	7.62	7.57	7.42	7.66	8.27	8.11	7.27	7.23	7.17

WTR YR 1995 MEAN 7.52 MAX 8.74 MIN 7.15

WABASH RIVER BASIN

03331120 SHERBURN LAKE NEAR PIERCETON, IN

LOCATION.--Lat 41°09'40", long 85°44'43", in SE1/4SE1/4SE1/4 sec.4, T.31 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (PIERCETON, IN quadrangle). The gage is at the extreme northern end of the lake on the outlet channel just south of County Road 500 South, 3.4 mi southwest of Pierceton.

SURFACE AREA.--15 acres.

DRAINAGE AREA.--5.51 mi^2.

PERIOD OF RECORD.--1954 to current year. (Formerly published as Johnson Lake near Pierceton.)

DATUM OF GAGE.--870.00 ft above sea level. Prior to Oct. 1, 1980, the datum of the gage was 880.00 ft. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the lake bed just south of the western lobe of the lake, 400 ft south of County Road 500 South on the first drive west of the outlet.

ESTABLISHED LEGAL LEVEL.--11.00 ft gage datum or 881.00 ft above sea level as decreed on December 19, 1974, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the invert of the culvert under the first east-west road north of the lake.

INLET AND OUTLET.--The one inlet flows from Sellers Lake 0.35 mi upstream. The outlet flows from the northern shore through Wyland ditch and into Winona Lake 6.7 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.34 ft Dec. 30, 1990; minimum stage, 9.20 ft Sept. 14-18, 1983.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

(NO DATA COLLECTED DUE TO CONSTRUCTION)

04099740 SHIPSHEWANA LAKE NEAR SHIPSHEWANA, IN

LOCATION.--Lat 41°40'53", long 85°36'03", in SE¼NE¼NE¼ sec.9, T.37 N., R.8 E., Lagrange County, Hydrologic Unit 04050001 (SHIPSHEWANA, IN quadrangle). The gage is on the south shore of the lake at the public fishing site, 1.1 mi northwest of Shipshewana.

SURFACE AREA.--202 acres.

DRAINAGE AREA.--6.74 mi^2.

PERIOD OF RECORD.--1951 to current year.

DATUM OF GAGE.--850.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to a wingwall of the control dam at the extreme eastern end of the lake.

ESTABLISHED LEGAL LEVEL.--2.04 ft gage datum or 852.04 ft above sea level as decreed on March 8, 1956, by the Lagrange County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a sheet piling dam with a fixed crest at three elevations.

INLET AND OUTLET.--The principal inlet enters on the southern shore from Cotton Lake 2.0 mi upstream. Another small ditch enters on the western shore. The outlet is on the extreme eastern tip of the lake and flows to the northeast through Page Ditch, which empties into Pigeon River, 6.1 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.33 ft Mar. 20, 1982; minimum stage, 1.39 ft Sept. 19-22, 1955.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.41	---	---	2.39	---	2.36	---	---	2.45	---	---
10	---	2.44	---	---	2.38	---	---	---	---	2.36	---	2.15
15	2.11	2.38	---	---	2.38	---	---	---	2.27	---	---	2.11
20	2.13	2.32	---	---	2.37	2.46	---	---	2.19	---	---	2.10
25	2.12	---	---	---	2.38	2.39	---	---	2.12	---	---	2.10
EOM	2.25	---	---	2.43	---	2.38	---	---	2.47	---	---	2.08

WTR YR 1995 MEAN 2.30 MAX 2.53 MIN 2.08

WABASH RIVER BASIN

03330380 SHOE LAKE NEAR OSWEGO, IN

LOCATION.--Lat 41°18'32", long 85°45'10", in SE¼SW¼SE¼ sec.18, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the extreme western end of the lake on County Road 475 East, 2.0 mi southeast of Oswego.

SURFACE AREA.--40 acres.

DRAINAGE AREA.--0.34 mi^2.

PERIOD OF RECORD.--1946-52, 1972-74, 1977 to current year.

DATUM OF GAGE.--830.00 ft above sea level. Prior to 1972, the datum of the gage was 840.00 ft above sea level. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--11.57 ft gage datum or 841.57 ft above sea level as decreed on October 18, 1948, by the Kosciusko County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by removable boards placed in wooden support posts in the outlet channel, upstream of the culvert under County Road 450 North.

INLET AND OUTLET.--There is no inlet except for small drainage ditches. The outlet leaves the lake at the southeastern end and flows into Banning Lake 0.3 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.95 ft Dec. 13-15, 1972; minimum stage, 10.50 ft Oct. 15, 16, 1988.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.83	10.77	10.75	10.85	11.10	11.33	11.30	11.69	11.97	11.93	11.93	11.40
10	10.84	10.83	10.91	10.87	11.10	---	11.55	11.72	11.97	11.86	11.86	11.32
15	10.78	10.81	10.88	10.97	11.06	---	11.59	11.70	11.91	11.92	11.78	11.23
20	10.76	10.76	10.91	11.08	11.05	11.35	11.63	11.69	11.83	11.85	11.70	11.17
25	10.70	10.71	10.90	11.10	11.10	11.32	11.64	11.94	11.87	11.81	11.58	11.14
EOM	10.68	10.77	10.90	11.11	11.11	11.31	11.68	11.96	12.00	11.74	11.49	11.07

WTR YR 1995 MEAN 11.32 MAX 12.01 MIN 10.65

03327650 SHRINER LAKE AT TRI-LAKES, IN

LOCATION.--Lat 41°14'37", long 85°26'24", in SE$^1/_4$SW$^1/_4$NW$^1/_4$ sec.12, T.32 N., R.9 E., Whitley County, Hydrologic Unit 05120104 (COLUMBIA CITY, IN quadrangle). The gage is at the head of outlet channel at the east end of the lake, 6.2 mi northeast of Columbia City.

SURFACE AREA.--111 acres.

DRAINAGE AREA.--0.94 mi^2.

PERIOD OF RECORD.--1943-74, 1976-78, 1980 to current year.

DATUM OF GAGE.--900.19 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the concrete head wall at the outlet.

ESTABLISHED LEGAL LEVEL.--7.04 ft gage datum or 907.04 ft above sea level as decreed on May 22, 1949, by the Whitley County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 7.04 ft gage datum or 907.23 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam in the outlet channel 300 ft downstream of the lake.

INLET AND OUTLET.--A ditch from Catfish Lake, 650 ft upstream, enters at the extreme western end of the lake. Two small ditches enter on the southern shore. The outlet is a dredged channel at the eastern edge of the lake that empties into Round Lake 930 ft downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.26 ft Dec. 31, 1990; minimum stage, 5.44 ft Dec. 9-11, 23-30, 1944.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.17	6.17	6.19	6.56	6.99	6.99	6.82	6.87	6.87	6.70	6.99	6.59
10	6.16	6.21	6.47	6.56	6.99	7.07	7.41	6.84	6.81	6.64	6.92	6.53
15	6.10	6.20	6.45	6.80	6.99	7.03	7.30	6.82	6.73	6.66	6.84	6.45
20	6.11	6.17	6.50	7.05	6.99	6.97	7.17	6.79	6.67	6.63	6.85	6.39
25	6.05	6.12	6.51	7.04	6.99	6.91	7.00	7.06	6.61	6.60	6.74	6.33
EOM	6.05	6.17	6.54	7.04	6.99	6.86	6.93	6.97	6.77	6.57	6.68	6.28

WTR YR 1995 MEAN 6.68 MAX 7.44 MIN 6.01

WABASH RIVER BASIN

03328350 SILVER LAKE AT SILVER LAKE, IN

LOCATION.--Lat 41°04'49", long 85°54'29", in SE$^1/_4$SE$^1/_4$NE$^1/_4$ sec.1, T.30 N., R.5 E., Kosciusko County, Hydrologic Unit 05120104 (SILVER LAKE, IN quadrangle). The gage is located at the outlet channel on the west side of the lake, approximately 30 feet above the control structure and 1.1 mi northwest of the town of Silver Lake.

SURFACE AREA.--102 acres.

DRAINAGE AREA.--6.31 mi^2.

PERIOD OF RECORD.--1947 to current year.

DATUM OF GAGE.--859.85 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1974.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage in one section is attached to the dam.

ESTABLISHED LEGAL LEVEL.--1.73 ft gage datum or 861.73 ft above sea level as decreed on September 20, 1948, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 1.73 ft gage datum or 861.58 ft above sea level. North Little Lake at Silver Lake has the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--The outlet from North Little Lake enters from the north and two ditches enter from the east and southeast. The outlet leaves from the western side and flows into South Little Lake, then into Silver Creek, which joins Eel River 12 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.80 ft Dec. 10, 1966; minimum stage, -0.20 ft Sept. 21, 1959.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.34	1.55	1.52	1.57	1.71	1.56	1.54	1.63	1.62	1.78	1.55	1.21
10	1.37	1.56	1.67	1.57	1.71	1.78	2.12	1.61	1.66	1.62	1.50	1.15
15	1.35	1.49	1.57	1.73	1.71	1.66	1.76	1.62	1.56	1.54	1.45	1.09
20	1.43	1.45	1.58	2.02	1.66	1.61	1.72	1.62	1.50	1.49	1.42	1.03
25	1.39	1.45	1.54	1.91	1.54	1.57	1.65	1.85	1.50	1.50	1.35	1.00
EOM	1.43	1.54	1.55	1.88	1.61	1.56	1.65	1.68	2.10	1.47	1.27	.96

WTR YR 1995 MEAN 1.56 MAX 2.41 MIN .96

04099880 SIMONTON LAKE NEAR ELKHART, IN

LOCATION.--Lat 41°45'05", long 85°57'28", in NE$^1/_4$NE$^1/_4$NW$^1/_4$ sec.16, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001 (ELKHART, IN quadrangle). The gage is on the southern shore between the two large lobes of the lake, at the public fishing site, 4.5 mi north of the main Post Office in Elkhart.

SURFACE AREA.--303 acres.

DRAINAGE AREA.--7.44 mi^2.

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--770.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--2.19 ft gage datum or 772.19 ft above sea level as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--Two small drainage ditches enter the lake on the eastern shore. The outlet, Osolo Township Ditch, flows from the lake at the southeastern tip and into the St. Joseph River, 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.42 ft Feb. 24, 1985; minimum stage, 1.36 ft Sept. 7, 1946.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.06	2.30	2.26	2.34	2.78	3.14	3.08	3.07	3.04	2.97	3.09	2.87
10	2.08	2.28	2.32	2.44	2.87	3.18	3.18	3.12	3.02	2.89	3.03	2.89
15	2.09	2.27	2.30	2.53	2.91	3.13	3.12	3.07	2.96	2.84	3.13	2.83
20	2.10	2.25	2.31	2.60	3.00	3.10	3.17	3.05	2.89	2.84	3.04	2.78
25	2.06	2.22	2.29	2.63	3.01	3.07	3.13	3.11	2.81	2.94	2.97	2.76
EOM	2.16	2.25	2.30	2.69	3.08	3.08	3.15	3.07	2.98	2.87	2.93	2.71

WTR YR 1995 MEAN 2.75 MAX 3.24 MIN 2.04

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100300 SKINNER LAKE NEAR ALBION, IN

LOCATION.--Lat 41°24"12", long 85°22'37", in SE$^1/_4$SE$^1/_4$NW$^1/_4$ sec.16, T.34 N., R.10 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on the upstream side of the bridge over the outlet channel on the northwest lobe of the lake, and 2.5 mi northeast of Albion.

SURFACE AREA.--125 acres.

DRAINAGE AREA.--14.0 mi^2.

PERIOD OF RECORD.--1945-72, 1976 to current year.

DATUM OF GAGE.--920.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed at the same site.

ESTABLISHED LEGAL LEVEL.--7.74 ft gage datum or 927.74 ft above sea level, as decreed on August 31, 1955, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a steel sheet piling dam with a fixed crest.

INLET AND OUTLET.--Rimmell Branch enters the lake on the southern shore, a small ditch enters on the southeast tip, and the outlet channel of Sweet Lake flows into the lake from the northeast. The outlet, Croft Ditch, flows from the lake on the south shore of the northwest lobe, and into the South Branch of the Elkhart River 5.6 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 12.60 ft Apr. 5, 1950; minimum stage, 6.14 ft Oct. 16, 17, 1946.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.55	7.74	7.75	7.77	7.82	7.83	7.82	7.90	7.91	7.90	7.80	7.65
10	7.57	7.76	7.91	7.77	7.82	8.07	9.19	7.91	7.86	7.81	7.75	7.74
15	7.55	7.74	7.79	8.00	7.82	7.96	8.09	7.87	7.80	7.83	7.76	7.72
20	7.59	7.72	7.81	8.32	7.85	7.89	8.00	7.82	7.77	7.76	7.80	7.70
25	7.56	7.70	7.77	8.08	7.85	7.83	7.93	8.71	7.76	7.76	7.73	7.69
EOM	7.58	7.74	7.78	8.08	7.91	7.84	7.93	8.03	8.33	7.75	7.71	7.68

WTR YR 1995 MEAN 7.84 MAX 9.19 MIN 7.53

03330140 SMALLEY LAKE NEAR WASHINGTON CENTER, IN

LOCATION.--Lat 41°18'52", long 85°35'04", in SW$^1/_4$NW$^1/_4$SE$^1/_4$ sec.15, T.33 N., R.8 E., Noble County, Hydrologic Unit 05120106 (ORMAS, IN quadrangle). The gage is located on the north side of the outlet channel, 300 ft upstream from the first bridge over the outlet, and 0.9 mi southeast of Washington Center.

SURFACE AREA.--69 acres.

DRAINAGE AREA.--27.1 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--880.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 24-inch diameter stilling well. An auxiliary staff gage is driven into the channel bed.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a riffle in the outlet channel 500 ft below the lake.

INLET AND OUTLET.--The Tippecanoe River flows through the lake, entering at the south end from Big Lake, 4.2 mi upstream, and flowing from the lake at the northwestern end into Baugher Lake, 1.2 mi downstream. Another inlet enters on the north shore from Gilbert Lake 0.9 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 7.00 ft Mar. 24, 1978; minimum stage, 1.10 ft Aug. 7, 1963.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.26	2.12	1.45	1.64	1.93	1.92	1.67	2.04	---	---	2.37	---
10	1.39	2.05	2.21	1.64	1.80	3.14	3.64	1.89	---	---	---	---
15	1.68	1.40	1.97	2.39	1.65	2.48	3.58	1.72	---	---	---	---
20	1.93	1.39	1.94	2.75	1.70	2.09	3.04	1.68	---	---	---	---
25	1.97	1.29	1.76	2.81	1.76	1.87	2.50	3.67	---	---	---	---
EOM	2.06	1.47	1.71	2.11	1.95	1.78	2.06	---	---	1.15	---	---

WTR YR 1995 MEAN 2.01 MAX 4.29 MIN 1.15

STREAMS TRIBUTARY TO LAKE MICHIGAN

04099780 STONE LAKE NEAR SCOTT, IN

LOCATION.--Lat 41°44'32", long 85°39'03", in SE$^1/_4$SE$^1/_4$SW$^1/_4$ sec.18, T.38 N., R.8 E., Lagrange County, Hydrologic Unit 04050001 (MIDDLEBURY, IN quadrangle). The gage is on the southeast shore of the lake approximately 200 ft west of the intersection of County Road 1150 West and the lake access road, and 5.4 mi northeast of Middlebury.

SURFACE AREA.--152 acres.

DRAINAGE AREA.--1.51 mi^2.

PERIOD OF RECORD.--1954-71, 1975-76, 1978 to current year.

DATUM OF GAGE.--810.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--8.76 ft gage datum or 818.76 ft above sea level as decreed on July 28, 1966, by the Lagrange County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete sill.

INLET AND OUTLET.--The inlet enters on the eastern end of the south shore from Brokesha Lake 0.2 mi upstream. The outlet flows from the lake at the northern shore.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.60 ft Apr. 16-30, 1969; minimum stage, 5.34 ft Nov. 26, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.65	7.64	7.58	8.11	8.16	8.19	7.91	8.15	8.11	8.10	8.40	8.23
10	7.63	7.67	7.71	8.12	8.17	8.29	8.10	8.21	8.13	8.05	8.38	8.22
15	7.58	7.66	7.85	8.17	8.18	8.19	8.07	8.18	8.10	8.30	8.49	8.17
20	7.56	7.62	8.04	8.27	8.16	8.16	8.12	8.14	7.95	8.13	8.46	8.06
25	7.51	7.57	8.06	8.24	8.15	8.14	8.12	8.23	7.93	8.13	8.37	8.01
EOM	7.52	7.59	8.08	8.21	8.18	8.14	8.14	8.13	8.13	8.05	8.32	7.87

WTR YR 1995 MEAN 8.04 MAX 8.51 MIN 7.45

04100180 SYLVAN LAKE AT ROME CITY, IN

LOCATION.--Lat 41°29'53", long 85°22'38", in SE$^1/_4$SE$^1/_4$SW$^1/_4$ sec.9, T.35 N., R.10 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is at the south, upstream side of the bridge over the outlet on the extreme western end of the lake, and at the northern edge of Rome City.

SURFACE AREA.--669 acres.

DRAINAGE AREA.--33.8 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--907.00 ft above sea level. Prior to Oct. 1, 1978, the datum of the gage was 910.00 ft. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the north downstream wall of the footbridge.

ESTABLISHED LEGAL LEVEL.--9.20 ft present gage datum or 916.20 ft above sea level as decreed on June 14, 1951, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with movable gates.

INLET AND OUTLET.--Barr Lake, 0.2 mi upstream, empties into Sylvan Lake on the southeast shore of the northwest lobe. Oviatt Ditch and Henderson Lake Ditch both enter the lake on the extreme eastern end. The outlet flows from the lake at the western tip, into Jones Lake 2.8 mi downstream and eventually into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.76 ft Feb. 25 1985; minimum stage, below -.30 ft Oct. 3-9, and 16-18, 1994.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	.06	.06	---	---	---	---	---	---	---	---
10	---	---	.28	.06	---	---	---	---	---	---	---	---
15	---	---	.17	.26	---	---	---	---	---	---	---	---
20	---	---	.16	---	---	---	---	---	---	---	---	---
25	---	---	.10	---	---	---	---	---	---	---	---	---
EOM	---	.05	.08	---	---	---	---	---	---	---	---	---

WTR YR 1995 MEAN .13 MAX .32 MIN .04

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100460 SYRACUSE LAKE AT SYRACUSE, IN

LOCATION.--Lat 41°25'26", long 85°44'59", in SW$^1/_4$SW$^1/_4$ sec.5, T.34 N., R.7 E., Kosciusko County, Hydrologic Unit 04050001 (LAKE WAWASEE, IN quadrangle). The gage is at the southwestern end of the lake, on the south abutment of the dam, and just west of the State Road 13 bridge in the town of Syracuse.

SURFACE AREA.--414 acres.

DRAINAGE AREA.--38.2 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--849.85 ft above sea level as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in a concrete shelter over a stilling well in the south abutment of the control structure. Two auxiliary staff gages are at the site. One is attached to the upstream side of the south abutment and the other is bolted to the seawall just west of the bridge over the outlet.

ESTABLISHED LEGAL LEVEL.--8.87 ft gage datum or 858.87 ft above sea level as decreed on September 20, 1948, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.87 ft gage datum or 858.72 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with two steel lift gates.

INLET AND OUTLET.--The one inlet is the outlet channel from Lake Wawasee on the southern shore of the lake. The outlet, Turkey Creek, flows from the lake at the southwest end and eventually into the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.15 ft Jan. 27, 28, 1950; minimum stage, 7.00 ft Nov. 19-21, 1953.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.14	8.24	8.44	8.87	9.18	8.78	8.57	8.80	8.99	9.24	9.00	8.62
10	8.16	8.33	8.66	8.87	9.18	8.95	8.82	8.75	8.83	9.18	8.90	8.57
15	8.15	8.35	8.72	9.06	9.18	8.95	8.93	8.87	8.87	8.97	8.78	8.50
20	8.12	8.40	8.81	9.10	8.86	8.87	8.95	8.92	8.84	9.01	8.84	8.44
25	8.08	8.32	8.83	9.18	8.79	8.80	8.90	9.16	8.83	8.98	8.75	8.41
EOM	8.10	8.41	8.87	9.18	8.81	8.68	8.88	9.07	9.25	8.92	8.68	8.38

WTR YR 1995 MEAN 8.76 MAX 9.25 MIN 8.05

03330480 TIPPECANOE LAKE AT OSWEGO, IN

LOCATION.--Lat 41°19'15", long 85°47'20", in NW$^1/_4$NE$^1/_4$NE$^1/_4$ sec.14, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (LEESBURG, IN quadrangle). The gage is on the south side of the dam at the extreme southwest end of the lake, in the outlet channel, at Oswego.

SURFACE AREA.--768 acres.

DRAINAGE AREA.--113 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--830.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the upstream side of the south abutment of the dam.

ESTABLISHED LEGAL LEVEL.--6.40 ft gage datum or 836.40 ft above sea level as decreed on October 18, 1949, by the Kosciusko County Circuit Court. James Lake at Oswego and Oswego Lake at Oswego have the same established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with multiple slide gates on the outlet channel of the lake.

INLET AND OUTLET.--The lake has two principal inlets. The Tippecanoe River flows from Webster Lake, enters James Lake, and flows into Tippecanoe Lake on the eastern side. The outlet from the Barbee Chain of Lakes enters from the southeast. The outlet, the Tippecanoe River, leaves the lake on the southwestern side.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.43 ft May 21, 1943; minimum stage, 4.90 ft Feb. 13-17, 1963.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.45	6.46	6.20	5.91	6.37	5.60	5.84	---	6.94	6.50	6.47	6.43
10	6.51	6.52	6.67	5.91	6.02	6.64	6.80	---	6.48	6.10	6.62	6.39
15	6.53	6.31	6.35	6.22	6.02	6.67	7.59	---	6.60	6.55	6.52	6.35
20	6.56	6.10	6.15	6.49	5.57	6.42	7.47	---	6.49	6.44	6.55	6.31
25	6.58	6.05	5.87	7.02	5.47	6.13	6.91	---	6.58	6.59	6.48	---
EOM	6.65	6.16	5.91	6.68	5.52	5.79	6.65	---	6.69	6.50	6.46	---

WTR YR 1995 MEAN 6.40 MAX 7.62 MIN 5.47

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100320 UPPER LONG LAKE NEAR WOLFLAKE, IN

LOCATION.--Lat 41°21'33", long 85°29'09", in NE$^1/_4$NE$^1/_4$SE$^1/_4$ sec.33, T.34 N., R.9 E., Noble County, Hydrologic Unit 04050001 (MERRIAM, IN quadrangle). The gage is on the northeast shore of the lake, at the northernmost boat slip, and 1.8 mi north-northeast of the town of Wolflake.

SURFACE AREA.--86 acres.

DRAINAGE AREA.--2.08 mi^2.

PERIOD OF RECORD.--1956 to current year.

DATUM OF GAGE.--880.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is also located in the boat slip.

ESTABLISHED LEGAL LEVEL.--11.19 ft gage datum or 891.19 ft above sea level as decreed on February 20, 1968, by Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The lake level is controlled by a fixed-sill concrete dam.

INLET AND OUTLET.--There is one inlet that enters the lake from the eastern side. The outlet flows to the north through Dollar Lake, and eventually into the South Branch Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.40 ft June 27, 1968; minimum stage, 9.95 ft May 11, 1970.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.20	11.39	11.38	11.36	11.45	11.45	11.38	11.49	11.58	11.43	11.47	11.17
10	11.24	11.42	11.52	11.38	11.45	11.45	12.06	11.51	11.51	11.37	11.43	11.22
15	11.22	11.38	11.42	11.50	11.45	11.56	11.74	11.47	11.41	11.35	11.38	11.18
20	11.26	11.34	11.42	11.71	11.45	11.49	11.62	11.44	11.36	11.30	11.36	11.14
25	11.24	11.31	11.39	11.61	11.45	11.43	11.53	11.76	11.31	11.29	11.28	11.14
EOM	11.25	11.36	11.38	11.47	11.45	11.41	11.51	11.67	11.54	11.32	11.24	11.12

WTR YR 1995 MEAN 11.41 MAX 12.06 MIN 11.12

03276800 VERSAILLES LAKE NEAR VERSAILLES, IN

LOCATION.--Lat 39°04'50", long 85°14'02", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ sec.6, T.7 N., R.12 E., Ripley County, Hydrologic Unit 05090203 (MILAN, IN quadrangle). The gage is on the eastern side of the lake, on the downstream side of the bridge over Falling Timber Creek in Versailles State Park.

SURFACE AREA.--232 acres.

DRAINAGE AREA.--168 mi^2.

PERIOD OF RECORD.--1958 to current year.

DATUM OF GAGE.--760.74 ft above sea level.

GAGE.--A water-stage recorder installed in an aluminum shelter over a 12-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete spillway dam with a movable gate.

INLET AND OUTLET.--The inlets are Laughery Creek, Falling Timber Creek, and Cedar Creek. The outlet is Laughery Creek, which flows southeasterly and empties into the Ohio River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 36.43 ft Jan. 21, 1959, as determined by the U.S. Geological Survey from high-water marks during an indirect measurement of discharge; minimum stage, 18.05 ft Apr. 12, 1970.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.10	29.17	29.56	29.21	29.50	29.44	29.35	29.69	29.40	29.25	30.85	29.11
10	29.09	29.44	30.37	29.28	29.42	29.72	29.46	30.12	29.27	29.19	29.30	29.13
15	29.10	29.17	29.31	30.01	29.48	29.49	29.37	29.78	29.22	29.16	29.23	29.14
20	29.13	29.18	29.36	29.85	29.81	29.43	29.41	29.79	29.86	29.19	29.37	29.17
25	29.13	29.17	29.27	29.37	29.41	29.42	29.77	30.46	29.28	29.25	29.18	29.13
EOM	29.15	29.29	29.24	29.49	29.69	29.36	29.36	29.55	29.38	29.14	29.14	29.11

WTR YR 1995 MEAN 29.43 MAX 33.83 MIN 29.07

STREAMS TRIBUTARY TO LAKE MICHIGAN

04100220 WALDRON LAKE NEAR COSPERVILLE, IN

LOCATION.--Lat 41°29'34", long 85°26'55", in SE$^1/_4$NW$^1/_4$NE$^1/_4$ sec.14, T.35 N., R.9 E., Noble County, Hydrologic Unit 04050001 (ALBION, IN quadrangle). The gage is on a dredged channel at the public fishing site west of County Road 125 West at Dukes Bridge, and 6.8 mi northwest of Albion.

SURFACE AREA.--216 acres.

DRAINAGE AREA.--134 mi^2.

PERIOD OF RECORD.--1948 to current year.

DATUM OF GAGE.--880.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary wire-weight gage is attached to the upstream side of Dukes Bridge.

ESTABLISHED LEGAL LEVEL.--5.55 ft gage datum or 885.55 ft above sea level as decreed on May 6, 1968, by the Noble County Circuit Court. Jones, Steinbarger and Tamarack Lakes, all near Cosperville, have the same established level as Waldron Lake and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a fixed-crest concrete dam with removable boards.

INLET AND OUTLET.--The North Branch of the Elkhart River flows through the lake, entering through Jones Lake at the north and leaving at the west end of Waldron Lake. Another inlet enters at the southeast from Steinbarger Lake, 0.1 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.16 ft Mar. 22, 1982; minimum stage, 4.44 ft Aug. 9-11, Sept. 14-17, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.58	5.21	5.24	5.30	5.70	5.51	5.66	6.07	6.56	6.79	6.15	5.77
10	5.25	5.46	5.74	5.25	5.49	6.39	6.72	5.89	6.23	6.25	6.00	5.80
15	4.96	5.37	5.59	5.75	5.32	6.40	7.21	5.89	5.94	6.12	5.97	5.72
20	4.93	5.24	5.59	6.09	5.31	6.16	6.96	5.76	5.92	5.86	6.07	5.72
25	4.97	5.14	5.48	6.23	5.38	5.88	6.59	6.60	5.86	5.87	5.88	5.72
EOM	4.98	5.25	5.38	5.91	5.54	5.69	6.27	6.92	6.90	5.83	5.82	5.74

WTR YR 1995 MEAN 5.83 MAX 7.24 MIN 4.89

05517600 WAUHOB LAKE NEAR VALPARAISO, IN

LOCATION.--Lat 41°32'02", long 87°02'42", in NW1/4NW1/4NW1/4 sec.31, T.36 N., R.5 W., Porter County, Hydrologic Unit 07120001 (CHESTERTON, IN quadrangle). The gage is on the northwest shore of the lake, 4.7 mi north of Valparaiso.

SURFACE AREA.--21 acres.

DRAINAGE AREA.--0.40 mi^2.

PERIOD OF RECORD.--1946 to current year.

DATUM OF GAGE.--790.00 ft above sea level.

GAGE.--A staff gage in one section is driven into the lake bed, 75 ft from Arthur J. Knoblich's cottage. An auxiliary staff gage is 20 ft lakeward of the main gage.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--The lake has one inlet entering on the northeast side from Mink Lake 0.3 mi upstream. The outlet flows from the southeast shore, southwesterly through a swamp to Canada Lake 0.3 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.05 ft Apr. 23, 1973; minimum stage, 6.58 ft Sept. 17, 1964.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.90	10.10	10.52	10.49	10.80	10.18	10.18	10.30	10.10	---	9.83	9.40
10	9.90	10.36	10.64	10.70	10.80	10.30	10.30	10.22	10.10	---	9.79	9.35
15	9.90	10.40	10.70	10.70	10.50	10.50	10.70	10.20	---	9.75	9.70	9.26
20	9.90	10.40	10.60	10.80	---	10.30	10.60	10.20	9.84	9.80	9.67	9.19
25	9.86	10.40	10.58	10.80	10.40	10.20	10.50	10.00	9.80	9.87	9.57	9.15
EOM	9.82	10.52	10.50	10.80	10.20	10.22	10.38	10.20	9.70	9.76	9.50	9.09

WTR YR 1995 MEAN 10.15 MAX 10.80 MIN 9.09

WABASH RIVER BASIN

03330240 WEBSTER LAKE AT NORTH WEBSTER, IN

LOCATION.--Lat 41°19'09", long 85°41'20", in NE1/4SW1/4NW1/4 sec.14, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106 (NORTH WEBSTER, IN quadrangle). The gage is on the southwest side of the lake at the outlet, 0.3 mi northeast of the intersection of State Road 13 and County Road 550 North and approximately 0.6 mi southeast of the center of North Webster.

SURFACE AREA.--774 acres.

DRAINAGE AREA.--49.2 mi^2.

PERIOD OF RECORD.--1943 to current year.

DATUM OF GAGE.--839.93 ft above sea level, as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxillary staff gage in one section is bolted to the southeast face of the concrete wall of the approach channel to the control dam.

ESTABLISHED LEGAL LEVEL.--12.75 ft gage datum or 852.75 ft above sea level as decreed July 2, 1945, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 12.75 ft gage datum or 852.68 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete notch dam with seven adjustable gates at the head of the outlet channel. North of this dam is another which used to serve as a mill race. This dam has one metal gage.

INLET AND OUTLET.--The Tippecanoe River flows through Webster Lake, entering at the southeast end and leaving at the southwest side. The Tippecanoe River enters James Lake, 2.1 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 15.15 ft Feb. 11, 1984; minimum stage, 9.79 ft (during repair of the dam) Oct. 5, 1962.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.96	---	---	---	12.85	13.13	13.06	13.08	13.04	13.11	13.09	12.98
10	13.04	---	---	---	12.85	13.15	13.29	13.17	13.08	13.15	13.28	12.99
15	13.04	---	---	---	12.85	13.29	13.46	13.02	13.10	13.23	13.16	12.98
20	13.09	---	---	---	12.72	13.16	13.12	13.08	13.13	13.15	13.12	12.98
25	13.07	---	---	---	12.83	12.97	13.30	13.17	13.05	13.16	13.01	12.98
EOM	13.12	---	---	12.97	12.98	12.97	13.06	13.24	13.12	13.12	13.01	12.99

WTR YR 1995 MEAN 13.07 MAX 13.48 MIN 12.70

05514770 WHARTON LAKE NEAR SOUTH BEND, IN

LOCATION.--Lat 41°36'11", long 86°18'36", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec.4, T.36 N., R.2 E., St. Joseph County, Hydrologic Unit 07120001 (LAKEVILLE, IN quadrangle). The gage is on the east side of the lake, in a channel west of a storage shed at the Calvert Rod and Gun Club property, and 5.7 mi northwest of Lakeville.

SURFACE AREA.--18 acres (measured on U.S. Geological Survey topographic map, scale 1:24000).

DRAINAGE AREA.--1.85 mi^2.

PERIOD OF RECORD.--1960-76, 1982 to current year.

DATUM OF GAGE.--770.00 ft above sea level.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

ESTABLISHED LEGAL LEVEL.--Not established.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a 48-inch round concrete tile in the outlet channel.

INLET AND OUTLET.--The one inlet enters the lake on the southeastern shore and drains the immediately surrounding area. The outlet flows from the lake on the western shore, and eventually into the Kankakee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 8.51 ft Jan. 8, 9, 10, 1989; minimum stage, 4.90 ft Oct. 2, 1991.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.90	6.85	6.59	6.62	6.66	6.73	6.62	6.71	6.62	6.61	6.85	6.11
10	5.98	6.67	6.74	6.57	6.62	6.82	7.11	6.79	6.47	6.35	6.61	6.09
15	5.95	6.62	6.62	6.76	6.61	6.70	6.76	6.69	6.29	6.42	6.51	5.97
20	6.00	6.57	6.66	6.76	6.75	6.67	6.79	6.67	6.10	6.56	6.71	5.87
25	5.99	6.55	6.62	6.63	6.72	6.61	6.72	6.79	6.03	6.48	6.49	5.83
EOM	6.32	6.59	6.64	6.59	6.81	6.63	6.74	6.67	6.65	6.20	6.28	5.69

WTR YR 1995 MEAN 6.52 MAX 7.11 MIN 5.69

WABASH RIVER BASIN

03331140 WINONA LAKE AT WARSAW, IN

LOCATION.--Lat 41°13'34", long 85°50'46", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ sec.17, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106 (WARSAW, IN quadrangle). The gage is on the western side of the lake, 20 ft east of the dam on the northern side of the outlet channel, 1.0 mi south of Warsaw.

SURFACE AREA.--562 acres.

DRAINAGE AREA.--32.1 mi^2.

PERIOD OF RECORD.--1943-78, 1980 to current year.

DATUM OF GAGE.--800.10 ft above sea level. Prior to Nov. 17, 1977, the datum of the gage was 810.10 ft above sea level as corrected on the basis of levels of Indiana Department of Natural Resources, 1973-74. All levels listed below are at the present datum.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the stilling well.

ESTABLISHED LEGAL LEVEL.--11.06 ft gage datum or 811.06 ft above sea level as decreed on June 17, 1949, by the Kosciusko County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 11.06 ft gage datum or 811.16 ft above sea level.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete fixed-crest dam with steel lift gates.

INLET AND OUTLET.--There are three inlets to the lake. Wyland Ditch enters on the eastern shore from Sherburn Lake 6.7 mi upstream. Keefer-Evans Ditch enters on the southeastern shore and Paterson Ditch on the southwestern shore. The outlet, Eagle Creek, flows from the western lobe of the lake into Walnut Creek 1.4 mi downstream, thence into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 13.31 ft June 14, 1981; minimum stage, 9.40 ft Feb. 15, 1982.

LAKE LEVEL, IN FEET ABOVE GAGE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.78	10.98	9.78	9.80	9.81	9.86	9.80	10.24	11.00	11.06	11.27	10.74
10	10.85	9.93	10.05	9.80	9.78	10.26	10.59	10.64	10.73	11.04	10.93	10.73
15	10.84	9.79	9.88	10.11	9.75	10.03	10.32	10.83	10.96	11.00	10.85	10.75
20	10.85	9.73	9.88	10.30	9.78	9.92	10.06	10.90	10.96	10.92	10.81	10.75
25	10.82	9.68	9.83	---	9.79	9.88	9.98	11.10	11.04	10.87	10.78	10.77
EOM	10.85	9.79	9.82	9.83	9.89	9.84	9.92	11.04	11.14	10.78	10.79	10.79

WTR YR 1995 MEAN 10.42 MAX 11.53 MIN 9.68

For many years, records of the water-surface elevations of many of the lakes in Indiana have been collected by the Geological Survey under cooperative agreement with the Indiana Department of Natural Resources. Basic data for a few selected lakes have been published in WSP 1363, entitled "Hydrology of Indiana Lakes." Records which have not been published are available in the files of the District Office of the Geological Survey in Indianapolis, Indiana. In general, the records before 1976 were based on once-daily readings of a staff gage by a local observer and consist of daily, monthly, and yearly mean water-surface elevations. Starting in 1976, water-stage recorders were installed at many stations which had previously been nonrecording gages. Discharge measurements, made at the outflow, are also available in some instances.

The lakes for which records have been collected are listed by downstream order number in the following table. The established level, sometimes referred to as the legal level, is that elevation set by the courts to which the average level of the lake is to be held; it is normally set at about the average level that has prevailed for a number of years prior to the establishment of the level. Surface area and capacity of the lake is that surface area and capacity at the established level. Depth contour maps are only those surveyed by the Water Resources Division of the Geological Survey. The inclusive years that records of stage have been collected at a lake are shown in the last column. If records are still being collected on a current basis, there is no closing date shown.

Lakes in the Ohio River basin for which records are available

Station number	Lake	County	Drainage (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
	LAUGHERY CREEK BASIN							
03276800	Versailles Lake near Versailles	Ripley	168.0	232	------	-----	-	1957-
	BAYOU DRAIN BASIN							
03322300	Hovey Lake near Mount Vernon	Posey	6.36	253	------	-----	-	1950-69
	WABASH RIVER BASIN							
03327550	Everett Lake at Levert	Allen	1.07	43	835.13	650	+	1946-66
03327600	Blue Lake near Churubusco	Whitley	3.58	239	850.28	5,010	+	1946-69, 1976-
03327650	Shriner Lake at Tri-Lakes	Whitley	.94	111	907.04	-----	-	1943-
03327700	Cedar Lake at Tri-Lakes	Whitley	.79	131	901.90	-----	-	1943-49
03327750	Round Lake at Tri-Lakes	Whitley	3.36	125	901.90	-----	-	1943-53
03327800	Wilson Lake near Larwill	Whitley	.46	29	865.39	390	+	1946-52
03327850	Little Wilson Lake near Larwill	Whitley	.52	8	865.39	130	+	1946-52
03328100	Long Lake at Laketon	Wabash	.55	48	751.19	760	+	1946-51, 1959-
03328250	North Little Lake at Silver Lake	Kosciusko	2.89	12	861.73	170	+	1947-
03328350	Silver Lake at Silver Lake	Kosciusko	6.31	102	861.73	1,520	+	1947-
03328400	Lukens Lake near Disko	Wabash	1.76	46	763.60	1,010	+	1948-49, 1959-
03330020	Crooked Lake near Wolflake	Noble	1.51	206	905.69	9,040	+	1943-53
03330040	Big Lake near Wolflake	Noble	8.89	228	898.18	5,630	+	1943-75, 1976-
03330060	Goose Lake near Lorane	Whitley	1.51	84	910.96	2,180	+	1945-53
03330080	Loon Lake at Ormas	Whitley	11.1	222	895.14	5,730	+	1943-66
03330100	New Lake near Etna	Whitley	.29	50	903.91	880	+	1945-53
03330120	Old Lake near Etna	Whitley	2.81	32	898.07	620	+	1949-66
03330140	Smalley Lake near Washington Center	Noble	27.1	69	-------	1,520	+	1943-
03330160	Gilbert Lake near Washington Center	Noble	.37	28	-------	490	+	1954-
03330180	Horseshoe Lake nr Washington Center	Noble	1.62	18	901.80	250	+	1945-66
03330200	Baugher Lake near Washington Center	Noble	31.0	32	878.52	390	+	1945-51
03330220	Wilmot Pond at Wilmot[1]	Noble	35.2	10	-------	-----	-	1945-51
03330240	Webster Lake at North Webster	Kosciusko	49.2	774	852.75	7,170	+	1943-
03330243	James Lake at Oswego	Kosciusko	55.9	282	836.40	7,580	+	1943-
03330260	Robinson Lake near Pierceton	Kosciusko	7.15	59	851.09	1,170	+	1946-51
03330280	Troy Cedar Lake near Lorane	Whitley	5.33	93	905.41	2,540	+	1945-52
03330300	Ridinger Lake near Pierceton	Kosciusko	34.6	136	843.12	2,900	+	1943-
03330320	Kuhn Lake near North Webster	Kosciusko	3.85	137	837.50	1,290	+	1945-
03330340	Big Barbee Lake near North Webster	Kosciusko	44.7	304	837.50	5,640	+	1945-
03330360	Little Barbee Lake nr North Webster	Kosciusko	49.0	74	837.50	960	+	1945-
03330380	Shoe Lake near Oswego	Kosciusko	.34	40	841.57	-----	-	1946-53, 1972,74, 1976-
03330400	Banning Lake near North Webster	Kosciusko	.48	12	837.50	110	+	1945-
03330420	Irish Lake near North Webster	Kosciusko	50.9	182	837.50	2,330	+	1945-
03330440	Sechrist Lake near North Webster	Kosciusko	.58	105	837.50	2,490	+	1945-
03330460	Sawmill Lake near North Webster	Kosciusko	51.8	36	837.50	370	+	1945-
03330480	Tippecanoe Lake at Oswego	Kosciusko	113	768	836.40	28,380	+	1943-
03330495	Oswego Lake at Oswego	Kosciusko	113	83	836.40	780	+	1943-
03331010	Big Chapman Lake near Warsaw[2]	Kosciusko	4.17	581	827.75	6,080	+	1945-72, 1976-
03331020	Little Chapman Lake near Warsaw	Kosciusko	7.13	77	827.75	1,990	+	1945-72, 1976-
03331040	Pike Lake at Warsaw	Kosciusko	41.5	203	805.64	2,830	+	1954-
03331060	Fish Lake near Warsaw	Kosciusko	4.93	15	845.52	-----	-	1951-66
03331080	Muskellunge Lake near Warsaw	Kosciusko	11.8	32	842.67	300	+	1943-53, 1959-71
03331100	Carr Lake near Claypool	Kosciusko	2.27	79	848.88	1,340	+	1947-53
03331120	Sherburn Lake near Pierceton[3]	Kosciusko	5.51	15	881.00	230	+	1954-
03331140	Winona Lake at Warsaw	Kosciusko	32.1	562	811.06	16,680	+	1943-

Lakes in the Ohio River basin for which records are available--Continued

Station number	Lake	County	Drainage (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
	WABASH RIVER BASIN--Continued							
03331160	Center Lake at Warsaw	Kosciusko	0.73	120	803.86	2,060	+	1945-
03331180	Palestine Lake at Palestine	Kosciusko	32.4	290	--------	1,170	+	1954-
03331200	Crystal Lake near Atwood	Kosciusko	.45	76	789.69	930	+	1945-51
03331220	Hoffman Lake at Atwood	Kosciusko	8.07	180	785.85	3,160	+	1945-53
03331240	Beaver Dam Lake near Silver Lake	Kosciusko	2.83	146	868.95	3,280	+	1947-53
03331260	Loon Lake near Silver Lake	Kosciusko	3.59	40	865.74	670	+	1947-53
03331280	McClures Lake near Silver Lake	Kosciusko	1.29	32	865.85	410	+	1945-52
03331300	Hill Lake near Silver Lake	Kosciusko	.85	67	871.50	1,300	+	1952-
03331320	Diamond Lake near Silver Lake	Kosciusko	3.92	79	--------	1,280	+	1954-
03331340	Yellow Creek Lake near Silver Lake	Kosciusko	11.1	151	860.50	4,730	+	1945-53
03331360	Rock Lake near Akron	Kosciusko	2.74	56	847.29	360	+	1946-66
03331370	Town Lake near Akron	Fulton	2.77	23	--------	220	+	1949-50
03331380	Lake Manitou at Rochester	Fulton	44.2	1,158	778.41	10,165	+	1943-
03331390	Zink Lake near Rochester	Fulton	1.11	19	810.68	-----	-	1952-55
03331400	Nyona Lake near Greenoak	Fulton	7.59	104	793.91	1,340	+	1946-
03331420	South Mud Lake near Fulton	Fulton	4.53	94	793.42	1,020	+	1946-66
03331438	King Lake near Delong	Fulton	1.98	18	--------	180	+	1971-
03331440	Maxinkuckee Lake at Culver	Marshall	13.7	1,864	733.12	45,600	+	1943-
03331460	Lost Lake near Culver[4]	Marshall	14.2	40	732.00	-----	-	1954-
03331480	Langenbaum Lake near Monterey	Starke	.72	48	717.96	260	+	1954-66
03331700	Bruce Lake at Bruce Lake	Pulaski	6.38	245	723.69	1,790	+	1943-53
03332200	Fletcher Lake at Fletcher	Fulton	.67	45	783.20	880	+	1946-53
03370900	Starve Hollow Lake near Vallonia	Jackson	6.67	145	--------	980	+	1946-61, 1963-71
03371700	Ogle Lake near Nashville	Brown	1.03	20	--------	250	+	1954-

Lakes in the St. Lawrence River basin for which records are available

	STREAMS TRIBUTARY TO LAKE MICHIGAN							
04092500	Wolf Lake at Hammond[5]	Lake	5.72	999	--------	-----	-	1946-49
04092990	Lake George at Hobart	Lake	124	282	602.23	-----	-	1946-
04097520	Lake Pleasant near Nevada Mills	Steuben	3.18	24	961.50	3,490	+	1954-69, 1971, 1976-
04097550	Lake George at Jamestown	Steuben	[a]14.7	488	985.28	-----	-	1946-
04097596	Marsh Lake near Fremont	Steuben	14.9	-----	--------	-----	-	1967-69
04097600	Little Otter Lake near Fremont	Steuben	15.7	34	965.18	740		1946-53
04097640	Big Otter Lake near Fremont	Steuben	21.3	69	965.18	1,780	+	1946-53
04097650	Snow Lake at Lake James	Steuben	[a]40.2	310	964.96	7,998	+	1943-49
04097660	Lake James at Lake James	Steuben	[a]47.8	1,034	964.96	33,585	+	1943-49
04097680	Jimmerson Lake at Nevada Mills[6]	Steuben	[a]51.6	434	964.66	4,394	+	1946-
04097780	Loon Lake near Angola	Steuben	2.13	138	1,011.98	630	+	1954-66
04097850	Crooked Lake at Crooked Lake	Steuben	10.4	828	988.17	10,555	+	1946-
04097950	Lake Gage at Panama	Steuben	[a]17.3	332	954.25	10,140	+	1946-
04097960	Lime Lake at Panama	Steuben	[a]17.5	57	954.25	427	+	1946-
04098100	Wall Lake near Orland	Lagrange	1.61	141	942.25	1,640	+	1953-54
04098110	Mud Lake near Orland	Steuben	1.85	25	939.01	-----	-	1956-67
04098300	Cedar Lake near Ontario	Lagrange	1.60	120	871.90	1,020	+	1948-51
04099050	Pigeon Lake near Angola	Steuben	[a]35.2	61	988.24	930	+	1954-63
04099100	Fox Lake near Angola	Steuben	[a]1.25	142	1,018.83	3,150	+	1946-53
04099190	Pleasant Lake at Pleasant Lake	Steuben	[a]1.12	53	963.52	1,190	+	1946-66
04099200	Long Lake at Moonlight	Steuben	[a]67.9	92	--------	1,540	+	1946-
04099250	Bower Lake near Pleasant Lake	Steuben	[a]84.6	25	948.50	280	+	1946-71, 1976-
04099260	Golden Lake near Pleasant Lake	Steuben	[a]88.8	119	948.50	1,810	+	1946-71, 1976-
04099400	Silver Lake near Angola	Steuben	[a]3.79	238	959.40	2,540	+	1945-53
04099430	Bass Lake near Angola	Steuben	[a].39	61	979.68	450	+	1954-66
04099440	Howard Lake near Angola	Steuben	[a]3.90	27	977.34	130	+	1954-63
04099500	Hogback Lake near Angola	Steuben	[a]103	146	948.50	1,450	+	1946-
04099520	Otter Lake near Flint	Steuben	[a]6.91	118	934.15	1,960	+	1954-66
04099540	Story Lake near Hudson	DeKalb	3.16	77	942.20	1,020	+	1946, 1954-66
04099560	Big Turkey Lake at Stroh	Lagrange	35.8	450	926.61	7,300	+	1945-66
04099575	McClish Lake near Helmer	Lagrange	1.28	35	951.09	1,210	+	1951-74, 1976-
04099580	Lake of the Woods near Helmer	Lagrange	5.25	136	951.09	5,470	+	1951-74, 1976-
04099600	Big Long Lake near Stroh	Lagrange	4.77	388	956.2	-----	-	1954-
04099620	Pretty Lake near Stroh	Lagrange	2.89	184	965.50	4,720	+	1949-53, 1963-65
04099640	Little Turkey Lake at Elmira	Lagrange	56.5	135	925.72	1,550	+	1945-66
04099660	Royer Lake near Plato	Lagrange	4.69	69	936.50	1,630	+	1952-
04099670	Fish Lake near Plato	Lagrange	[a]10.6	100	936.50	4,050	+	1945-
04099700	North Twin Lake near Howe	Lagrange	1.54	135	843.56	2,120	+	1953-
04099710	South Twin Lake near Howe	Lagrange	2.22	116	843.56	3,600	+	1953-70
04099740	Shipshewana Lake near Shipshewana	Lagrange	[a]6.74	202	852.04	1,350	+	1951-

Lakes in the St. Lawrence River basin for which records are available

Station Number	Lake	County	Drainage (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
	STREAMS TRIBUTARY TO LAKE MICHIGAN--Continued							
04099760	Fish Lake near Scott	Lagrange	[a]6.21	139	814.42	2,560	+	1954-73, 1976-
04099780	Stone Lake near Scott	Lagrange	1.51	152	818.76	2,060	+	1954-73, 1976-
04099800	Emma Lake near Emma	Lagrange	13.6	42	880.87	700	+	1954-66
04099810	Cass Lake near Shipshewana	Lagrange	.68	89	--------	873	+	1970-
04099820	Hunter Lake near Middlebury	Elkhart	.51	99	856.90	1,120	+	1946-53
04099840	Wolf Lake near Goshen	Elkhart	[a]1.29	100	813.00	-----	-	1947-57
04099860	Heaton Lake near Elkhart	Elkhart	9.33	87	767.30	640	+	1946-53, 1969-74, 1976-
04099880	Simonton Lake near Elkhart	Elkhart	7.44	303	772.19	1,560	+	1946-
04099950	Indiana Lake near Bristol	Elkhart	.62	122	759.73	3,400	+	1946-53
04100010	Cree Lake near Kendallville	Noble	4.85	58	945.23	910	+	1949-66
04100020	Blackman Lake near Wolcottville	Lagrange	.98	67	974.20	1,210	+	1953-59
04100030	Adams Lake near Wolcottville	Lagrange	5.62	308	953.59	7,690	+	1946-
04100040	Atwood Lake near Wolcottville	Lagrange	1.23	170	899.99	1,560	+	1948-53
04100050	Witmer Laker near Wolcottville	Lagrange	36.1	204	897.36	7,040	+	1945-
04100060	Westler Lake near Wolcottville	Lagrange	37.8	88	897.36	1,770	+	1945-
04100070	Dallas Lake near Wolcottville	Lagrange	39.8	283	897.36	9,970	+	1945-
04100080	Martin Lake near Valentine	Lagrange	4.93	26	899.45	890	+	1945-
04100090	Olin Lake neaqr Valentine	Lagrange	5.81	103	899.45	9,180	+	1945-
04100100	Oliver Lake near Valentine	Lagrange	11.1	362	899.45	15,358	+	1945-
04100110	Hackenburg Lake near Wolcottville	Lagrange	55.4	42	897.36	510	+	1945-
04100120	Messick Lake near Wolcottville	Lagrange	56.4	68	897.36	1,450	+	1945-
04100130	Jones Lake near Cosperville	Noble	70.3	114	885.55	960	+	1948-
04100140	Bixler Lake at Kendallville	Noble	5.28	120	963.65	2,090	+	1945-
04100150	Round Lake at Kendallville	Noble	3.47	99	954.50	2,140	+	1954-
04100160	Little Long Lake at Kendallville	Noble	4.55	71	954.50	1,750	+	1954-
04100170	Latta Lake near Rome City	Noble	2.52	42	918.71	900	+	1954-66
04100180	Sylvan Lake at Rome City	Noble	33.8	669	916.20	5,986	+	1943-
04100190	Sacarider Lake near Kendallville	Noble	1.43	33	--------	740	+	1954-63
04100200	Tamarack Lake near Cosperville	Noble	15.9	50	885.55	880	+	1948-
04100210	Steinbarger Lake near Cosperville	Noble	24.3	73	885.55	1,590	+	1948-
04100220	Waldron Lake near Cosperville	Noble	134	216	885.55	3,120	+	1948-
04100230	Long Lake near Burr Oak	Noble	12.0	40	895.82	630	+	1954-71
04100240	Sand Lake near Burr Oak	Noble	14.9	47	893.56	1,270	+	1946-51
04100250	Rivir Lake near Burr Oak	Noble	18.6	24	--------	380	+	1954-65
04100258	High Lake near Wolflake	Noble	4.43	123	896.35	1,240	+	1961-
04100260	Bear Lake near Wolflake	Noble	6.98	136	894.60	3,030	+	1943-
04100280	Muncie Lake near Burr Oak	Noble	42.8	47	--------	580	+	1954-
04100290	Silver Lake near Wolflake	Noble	.28	34	--------	220	+	1953-63
04100300	Skinner Lake near Albion	Noble	14.0	125	927.74	1,750	+	1945-72, 1977-
04100310	Pleasant Lake near Wolflake	Noble	.29	20	--------	540	+	1952-53
04100320	Upper Long Lake near Wolflake	Noble	2.08	86	891.19	1,900	+	1956-
04100330	Lower Long Lake near Albion	Noble	4.35	66	889.81	1,560	+	1946-52
04100340	Eagle Lake near Kimmel	Noble	3.22	81	--------	1,050	+	1946-48
04100350	Diamond Lake near Wawaka	Noble	4.80	105	--------	2,580	+	1946-
04100360	Sparta Lake at Kimmel	Noble	.69	31	888.50	170	+	1946-51
04100370	Engle Lake near Ligonier	Noble	[a]4.19	48	878.90	670	+	1956-71, 1977-
04100380	Harper Lake near Washington Center	Noble	2.76	11	878.25	160	+	1946-
04100390	Knapp Lake near Washington Center	Noble	6.02	88	878.25	3,040	+	1946-
04100400	Moss Lake near Washington Center	Noble	6.12	9	878.25	80	+	1946-
04100410	Hindman Lake near Washington Center	Noble	8.66	13	878.25	140	+	1946-
04100420	Gordy Lake near Cromwell	Noble	9.40	31	876.68	680	+	1953-66
04100425	Rider Lake near Cromwell	Noble	10.9	5	876.68	30	+	1953-66
04100430	Duely Lake near Cromwell[8]	Noble	11.2	21	876.68	180	+	1953-66
04100440	Village Lake near Cromwell	Noble	12.0	12	876.68	160	+	1953-66
04100446	Flatbelly Lake near Syracuse	Kosciusko	4.66	326	--------	-----	-	1964-69
04100448	Papakeechie Lake near Syracuse	Kosciusko	5.52	300	--------	-----	-	1964-69
04100450	Wawasee Lake at Wawasee	Kosciusko	36.9	3,060	858.89	67,210	+	1943-66
04100460	Syracuse Lake at Syracuse	Kosciusko	38.2	414	858.87	5,360	+	1943-
04100470	Dewart Lake near Leesburg	Kosciusko	[a]8.05	551	867.70	9,000	+	1945-
04100480	Wabee Lake near Milford	Kosciusko	[a]14.6	187	829.79	4,750	+	1946-53
	STREAMS TRIBUTARY TO LAKE ERIE							
04177200	Clear Lake at Clear Lake	Steuben	6.86	800	1,037.38	24,990	+	1943-
04177210	Round Lake at Clear Lake	Steuben	7.25	30	1,037.38	340	+	1943-
04177300	Long Lake near Ray	Steuben	2.80	154	--------	1,840	+	1961-63
04177680	Ball Lake near Hamilton	Steuben	11.6	87	894.76	3,520	+	1961-
04177700	Hamilton Lake at Hamilton	Steuben	16.5	802	898.83	16,600	+	1943-
04179200	Indian Lake near Corunna	DeKalb	3.76	56	--------	1,220	+	1957
04179300	Cedar lake near Waterloo	DeKalb	23.4	28	896.76	230	+	1943-56

Lakes in the Upper Mississippi River basin for which records are available--Continued

Station Number	Lake	County	Drainage (square miles)	Surface area (acres)	Established level*	Capacity (acre-feet)	Contour map available	Records available
	ILLINOIS RIVER BASIN							
05514740	Saugany Lake near Rolling Prairie	LaPorte	[a]2.34	74	781.21	2,190	+	1946-50
05514741	Hudson Lake at Hudson Lake	LaPorte	7.92	432	763.09	5,060	+	1946-
05514750	North Chain Lake at Lydick	St. Joseph	[a]3.89	88	721.17	1,400	+	1946-53
05514760	South Chain Lake at Westfield	St. Joseph	[a]6.32	90	717.04	270	-	1946-53
05514770	Wharton Lake near South Bend	St. Joseph	[a]1.85	-----	--------	-----	-	1960-
05514900	Silver Lake near Rolling Prairie	LaPorte	1.72	54	795.20	-----	-	1946-66
05515200	Upper Fish Lake near Stillwell	LaPorte	[a]9.65	139	688.22	1,040	+	1946-53
05515210	Lower Fish Lake near Stillwell	LaPorte	[a]10.4	134	688.22	870	+	1946-53
05515220	Pine Lake at LaPorte	LaPorte	[a]10.7	564	796.20	-----	-	1946-75 1980-
05515230	Stone Lake at LaPorte	LaPorte	[a]10.7	140	796.20	-----	-	1946-75 1980-
05515240	Clear Lake at LaPorte	LaPorte	.65	106	798.20	760	+	1942-49, 1952-75 1980-
05515600	Koontz Lake at Koontz Lake	Starke	[a]6.25	346	714.56	3,170	+	1943-
05515800	Riddles Lake near Lakeville	St. Joseph	[a]11.7	77	817.50	640	+	1946-73, 1976-
05516200	Lake of the Woods near Bremen	Marshall	[a]9.45	416	803.85	6,810	+	1945-
05516600	Pretty Lake near Plymouth	Marshall	.85	97	787.36	2,140	+	1954-66
05516700	Myers Lake near Twin Lakes	Marshall	1.41	96	768.69	2,000	+	1945-53
05516800	Mill Pond and Kreighbaum Lake near Twin Lakes	Marshall	[a]5.34	168	767.75	1,020	+	1945-53
05516900	Eagle Lake near Ober	Starke	[a]25.5	24	713.25	160	+	1946-53
05517100	Skitz Lake near Knox	Starke	-----	1,000	--------	-----	-	1949-53
05517200	Bass Lake at Bass Lake	Starke	5.18	1,400	713.65	-----	-	1943-
05517600	Wauhob Lake near Valparaiso	Porter	.40	21	--------	-----	-	1946-
05517650	Long Lake near Valparaiso	Porter	1.31	65	797.66	520	+	1947-52
05517670	Spectacle Lake near Valparaiso	Porter	.53	62	812.82	540	+	1946-53
05517700	Flint Lake near Valparaiso	Porter	2.62	86	797.66	-----	-	1946-
05517800	Lake Eliza near Beatrice	Porter	1.70	45	738.70	-----	-	1954-74, 1976-
05518700	Cedar Lake at Cedar Lake	Lake	8.14	781	--------	6,750	+	1943-
05518800	Dalecarlia Lake near Creston	Lake	20.1	193	--------	-----	-	1947-52
05521300	Ringneck Lake near Medaryville	Jasper	1.94	1,400	--------	-----	-	1949-55
05525700	J.C. Murphy Lake near Morocco	Newton	13.0	1,515	--------	-----	-	1952-61

+ Depth contour maps available for sale by Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.
* Elevation, in feet, above mean sea level.

[1] Formerly published as Rider Lake at Wilmot.
[2] Formerly published as Chapman Lake near Warsaw.
[3] Formerly published as Johnson Lake near Pierceton.
[4] Formerly published as Hawks Lake near Culver.
[5] Same as Wolf Lake at Chicago, Illinois WRD District.
[6] Formerly published as Jimerson Lake at Nevada Mills.
[7] Formerly published as Sanford Lake near Cosperville.
[8] Formerly published as Duley Lake near Cromwell, and Druely Lake near Cromwell, and Druley Lake near Cromwell.

[a] Contains drainage area (5 percent or greater) that does not contribute directly to surface-water runoff.

The lakes in Indiana which are not included in the cooperative stabilization program but which have been mapped for recreational purposes are shown in the following table. Surface area and capacities are related to reference mean sea level elevation at time of mapping. Additional data is shown on map, which are available for sale by the Indiana Department of Natural Resources, State Office Building, Indianapolis, Indiana.

Lake	County	Surface area (acres)	Capacity (acre-feet)	Lake	County	Surface area (acres)	Capacity (acre-feet)
OHIO RIVER BASIN							
Barr Lake	Fulton	22	470	Lake 16	Fulton	27	220
Bischoff Reservoir	Ripley	200	1,920	Larwill Lake	Whitley	9	170
Black Lake	Whitley	24	400	Lenape Lake	Greene	36	330
Bowen Lake	Scott	7	60	Lincoln Park Lake	Spencer	58	520
Brown Lake	Whitley	23	580	Little Pike Lake	Kosciusko	25	140
Caldwell Lake	Kosciusko	45	800	McColley Lake	Wabash	28	410
Crane Lake	Noble	28	360	Round Lake	Wabash	48	540
Crosley Lake	Jennings	14	130	Scales Lake	Warrick	66	520
Ferdinand Lake	Dubois	42	440	Schlamm Lake	Clark	19	170
Franke Lake	Clark	9	70	Sellers Lake	Kosciusko	32	340
Hartz Lake	Starke	28	370	Shakamak Lake	Sullivan	56	610
Kunkel Lake	Wells	25	150	Twin Lakes	Wabash	18	190
Lake Freeman	Carroll	1,547	26,000	Whitewater Lake	Union	199	3,650
Lake Shafer	White	1,291	13,120	Yellowwood Lake	Brown	133	1,890
STREAMS TRIBUTARY TO LAKE MICHIGAN							
Appleman Lake	Lagrange	52	590	Mateer Lake	Lagrange	18	150
Bartley Lake	Noble	34	430	Miller Lake	Noble	11	160
Barton Lake	Steuben	94	1,340	Millers Lake	Noble	28	410
Bell Lake	Steuben	38	510	Mud Lake	Noble	8	70
Boner Lake	Kosciusko	40	370	Norman Lake	Noble	14	280
Bowen Lake	Noble	30	1,080	Pigeon Lake	Lagrange	61	1,160
Bristol Lake	Noble	27	740	Port Mitchell Lake	Noble	15	180
Buck Lake	Lagrange	18	150	Rainbow Lake	Lagrange	16	250
Center Lake	Steuben	46	390	Schockopee Lake	Noble	21	280
Cline Lake	Lagrange	20	350	Shock Lake	Kosciusko	37	1,210
Deer Lake	Noble	36	420	Smith Hole	Lagrange	2	10
Dock Lake	Noble	16	230	Still Lake	Lagrange	30	620
Eve Lake	Lagrange	31	670	Sweet Lake	Noble	16	210
Fish Lake	Steuben	59	750	Tamarack Lake	Noble	84	1,340
Hog Lake	LaPorte	59	690	Walters Lake	Steuben	53	550
Hog Lake	Steuben	48	570	Weir Lake	Lagrange	6	70
Lime Lake	Steuben	30	330	Wible Lake	Noble	49	650
Little Turkey Lake	Steuben	58	780	Williams Lake	Noble	46	1,070
Marl Lake	Noble	30	510	Wyland Lake	Kosciusko	6	100
STREAMS TRIBUTARY TO LAKE ERIE							
Dunton Lake	DeKalb	21	340	Mirror Lake	Steuben	9	120
Handy Lake	Steuben	16	290	Terry Lake	DeKalb	17	160
Lake Anne	Steuben	17	280				
UPPER MISSISSIPPI RIVER BASIN							
Cook Lake	Marshall	93	1,650	Gilbert Lake	Marshall	37	490
Dixon Lake	Marshall	33	480	Holem Lake	Marshall	40	390
Flat Lake	Marshall	26	210	Lawrence Lake	Marshall	69	1,580

Figure 8.--Number of ground-water wells by county having 1995 water-level records.

ALLEN COUNTY

410426084495201. Local number, AL 5.
LOCATION.--Lat 41°04'26", long 84°49'52", in NW1/4NE1/4SE1/4 sec.9, T.30 N., R.15 E., Allen County, Hydrologic Unit 04100005, 1.3 mi west of Edgerton.
Owner: Noel Gerig.

AQUIFER.--Limestone of Salina Formation of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 4 in., depth 97 ft, cased to 40 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 760 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 0.10 ft above land-surface datum.

REMARKS.--Nearby quarry operations were shut down in 1980, and since that time water levels have been rising. Quarry operations no longer affect water levels in this well, however, nearby pumping (domestic) creates a daily drawdown of about 0.70 ft, which may affect the mean.

PERIOD OF RECORD.--July 1962 to December 1971, January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.04 ft below land-surface datum, July 8, 9, 1962; lowest, 38.41 ft below land-surface datum, May 4, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.26	13.30	14.09	14.85	14.70	14.90	14.22	13.73	13.25	13.16	12.98	13.43
10	13.44	13.84	14.22	14.81	14.38	14.24	14.30	13.24	13.24	13.14	12.94	13.34
15	13.47	13.86	14.57	14.37	14.47	14.32	14.01	13.47	13.42	13.57	13.47	13.36
20	13.25	13.74	14.57	14.19	14.81	13.87	13.80	13.42	13.59	13.15	13.39	13.17
25	13.53	14.01	14.46	14.92	14.45	14.36	13.77	13.58	13.25	13.20	13.32	13.17
EOM	13.20	14.29	14.52	14.51	14.60	14.25	13.73	13.45	13.16	13.19	13.34	13.20

WTR YR 1995 HIGH 12.94 AUG 10

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.58	13.91	14.49	15.39	15.33	15.26	14.77	13.94	13.56	13.66	13.40	13.73
10	13.92	14.30	14.85	15.18	14.96	14.96	14.62	13.37	13.66	13.68	13.74	13.49
15	13.89	14.37	14.97	14.81	14.78	14.76	14.52	13.86	13.76	14.09	13.91	13.49
20	13.81	14.42	14.91	14.67	15.19	14.42	14.39	13.83	14.17	13.58	13.94	13.63
25	13.90	14.40	15.08	15.97	14.93	14.88	14.24	13.94	13.76	13.71	13.51	13.40
EOM	13.92	14.78	14.90	15.00	15.03	14.66	14.24	13.89	13.67	13.31	13.83	13.73

WTR YR 1995 LOW 15.97 JAN 25

ALLEN COUNTY

410932084561101. Local number, AL 6.
LOCATION.--Lat 41°09'32", long 84°56'11", in SW1/4SW1/4NE1/4 sec.10, T.31 N., R.14 E., Allen County, Hydrologic Unit 04100005, at the intersection of Ehle and Thimler Roads, 10 mi northeast of New Haven.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 84 ft, cased to 81.5 ft, screened to 83.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 760 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.50 ft above land-surface datum.

REMARKS.--Water level affected by pumpage.

PERIOD OF RECORD.--December 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.90 ft below land-surface datum, Feb. 24, 1990; lowest, 15.10 ft below land-surface datum, Nov. 26, 1994.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.64	14.77	---	---	13.11	12.81	12.02	10.78	10.73	10.24	---	13.30
10	14.70	14.78	---	---	13.04	11.99	10.78	10.92	10.97	10.75	---	13.25
15	14.74	14.77	---	---	13.06	11.73	9.97	11.14	11.20	11.47	---	13.35
20	14.75	14.78	---	---	13.01	11.58	10.13	11.22	11.45	11.74	---	13.37
25	14.80	14.89	---	13.35	13.07	11.83	10.21	11.02	11.79	---	---	13.40
EOM	14.81	---	---	13.11	13.01	11.92	10.54	10.47	9.95	---	13.11	13.50

WTR YR 1995 HIGH 9.94 APR 13

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.77	15.00	---	---	13.26	12.96	12.19	10.94	10.90	10.46	---	13.45
10	14.89	14.94	---	---	13.19	12.19	11.66	11.07	11.14	10.97	---	13.40
15	14.87	14.90	---	---	13.17	11.89	10.11	11.36	11.36	11.72	---	13.43
20	14.94	14.96	---	---	13.15	11.77	10.26	11.38	11.69	11.90	---	13.45
25	14.94	15.03	---	13.52	13.20	11.98	10.38	11.19	11.94	---	---	13.49
EOM	14.99	---	---	13.24	13.17	12.02	10.70	10.66	10.12	---	13.28	13.62

WTR YR 1995 LOW 15.10 NOV 26

ALLEN COUNTY

410335085190701. Local number, AL 8.
LOCATION.--Lat 41°03'35", long 85°19'07", in SE¼SW¼SW¼ sec. 8, T.30N., R.11E., Allen County, Hydrologic Unit 05120101, on Covington Road about 5 mi west of Interstate Highway 69 on the northeast corner of the United Telephone Company property.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 193 ft, cased to 173 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 850.60 ft above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Water level data is affected by nearby pumpage. Daily fluctuations greater than 3 ft are common.

PERIOD OF RECORD.--July 1988 to current year. Records for WY1988, WY1989, WY1990 published as AL 7.

REVISED RECORDS.--WDR IN 94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 55.70 ft below land-surface datum, April 26, 1989; lowest, 75.16 ft below land-surface datum, Sept. 3, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.05	66.28	67.43	68.00	67.10	67.42	66.29	66.42	67.70	67.42	68.89	74.65
10	68.52	66.72	66.89	67.61	66.98	67.73	66.60	66.62	66.66	68.64	68.61	70.47
15	67.72	67.12	67.57	66.87	67.29	67.51	66.43	67.29	68.49	72.12	72.05	72.34
20	68.15	67.17	67.87	66.54	66.96	67.58	66.51	66.81	71.29	69.60	70.17	71.68
25	67.43	66.66	67.12	67.54	67.39	67.13	66.56	67.16	69.51	68.44	71.61	71.67
EOM	68.01	67.18	67.23	67.47	67.55	66.66	66.62	67.50	68.04	70.87	72.68	72.98

WTR YR 1995 HIGH 65.56 APR 8

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.37	69.25	69.48	69.83	70.94	70.23	67.81	68.79	69.51	69.45	70.81	75.07
10	70.83	68.64	69.80	69.50	69.47	69.82	68.50	68.42	68.86	71.55	70.85	73.34
15	70.83	68.99	69.25	69.60	69.14	69.49	69.73	69.32	71.72	73.57	73.51	74.03
20	69.91	70.00	70.11	68.32	69.57	70.70	68.40	69.22	73.10	71.55	72.77	73.36
25	69.40	69.48	69.34	69.25	70.37	69.78	68.65	68.82	72.33	70.51	73.47	73.51
EOM	70.60	69.14	70.43	68.96	69.81	68.56	69.20	69.58	69.97	72.89	74.14	74.46

WTR YR 1995 LOW 75.16 SEP 3

BARTHOLOMEW COUNTY

391627085534401. Local number, BA 4.
LOCATION.--Lat 39°16'27", long 85°53'44", in NE¼NE¼NE¼ sec.31, T.10 N., R.6 E., Bartholomew County, Hydrologic Unit 05120205, by a cemetery on the north side of Bakalar AFB at the northern city limits of Columbus.
Owner: Bartholomew County.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 93 ft, cased to 85 ft, screened to 90 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 654.04 ft above sea level. Measuring point: Top of floor of shelter, 2.60 ft above land-surface datum.

REMARKS.--Water level affected by agricultural withdrawals during May - August growing season.

PERIOD OF RECORD.--January 1965 to current year.

REVISED RECORDS.--WDR IN-80-1: 1979.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.11 ft below land-surface datum, April 8, 9, 1991; lowest, 21.18 ft below land-surface datum, July 2, 1992.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.65	19.05	19.40	19.51	19.38	18.92	18.42	17.92	16.15	17.36	18.69	17.38
10	18.71	19.12	19.45	19.53	19.32	18.81	18.43	17.75	16.08	17.80	17.39	17.55
15	18.77	19.19	19.50	19.55	19.27	18.70	18.44	17.67	16.14	18.29	17.06	---
20	18.84	19.24	19.51	19.52	19.21	18.58	18.45	17.32	16.91	17.99	17.19	---
25	18.91	19.30	19.48	19.48	19.11	18.51	18.38	16.80	16.50	18.03	17.08	---
EOM	18.98	19.36	19.48	19.40	19.04	18.45	18.15	16.33	16.69	19.04	17.22	---

WTR YR 1995 HIGH 16.08 JUN 10

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.66	19.06	19.42	19.52	19.38	18.94	18.43	17.96	16.19	17.73	18.97	17.39
10	18.72	19.14	19.46	19.53	19.33	18.84	18.43	17.77	16.09	17.96	17.54	17.56
15	18.78	19.20	19.50	19.56	19.28	18.73	18.44	17.68	16.37	18.48	17.10	---
20	18.85	19.24	19.51	19.52	19.23	18.61	18.46	17.39	17.09	18.22	17.27	---
25	18.92	19.31	19.48	19.49	19.14	18.53	18.39	16.90	16.85	18.06	17.15	---
EOM	18.99	19.37	19.48	19.42	19.06	18.45	18.21	16.39	16.72	19.20	17.23	---

WTR YR 1995 LOW 19.56 JAN 15

BARTHOLOMEW COUNTY

390950085553501. Local number, BA 8.
LOCATION.--Lat 39°09'50", long 85°55'35", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ sec.1, T.8 N., R.5 E., Bartholomew County, Hydrologic Unit 05120206, on property of Meadows Metal Products Co., 4 mi south of Columbus.
Owner: Meadows Metal Products Co., Inc.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 49 ft, casing length unknown.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 615.48 ft above sea level. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.06 ft below land-surface datum, June 3, 1968; lowest, 24.13 ft below land-surface datum, Dec. 27, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.59	20.37	20.96	20.88	20.63	20.04	19.29	17.89	14.31	15.88	17.22	17.74
10	19.73	20.44	20.96	20.91	20.52	19.95	19.34	17.62	14.43	16.19	17.19	18.00
15	19.90	20.64	21.01	20.89	20.40	19.73	19.40	17.57	14.64	16.44	16.98	18.23
20	20.02	20.72	20.95	20.86	20.34	19.48	19.33	16.91	14.89	16.74	16.95	18.50
25	20.16	20.82	20.88	20.84	20.22	19.34	18.97	15.21	15.16	17.03	17.14	18.75
EOM	20.30	20.90	20.86	20.72	20.16	19.28	18.38	14.44	15.54	17.38	17.38	18.95

WTR YR 1995 HIGH 14.30 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.65	20.48	21.01	20.92	20.65	20.07	19.33	17.96	14.35	15.96	17.65	17.78
10	19.82	20.59	21.04	20.93	20.54	20.01	19.38	17.64	14.46	16.26	17.25	18.06
15	19.97	20.69	21.09	20.91	20.49	19.80	19.41	17.62	14.71	16.53	17.03	18.31
20	20.09	20.74	21.00	20.90	20.37	19.52	19.43	17.15	14.95	16.81	16.98	18.54
25	20.20	20.88	20.90	20.86	20.26	19.38	19.05	15.47	15.23	17.09	17.18	18.81
EOM	20.35	20.94	20.87	20.74	20.20	19.31	18.50	14.51	15.62	17.46	17.43	18.99

WTR YR 1995 LOW 21.09 DEC 12

BARTHOLOMEW COUNTY

391035085560401. Local number, BA 9.
LOCATION.--Lat 39°10'35", long 85°56'04", in SW$^1/_4$NE$^1/_4$SW$^1/_4$ sec.35, T.9 N., R.5 E., Bartholomew County, Hydrologic Unit 05120206, at the Bartholomew County Home on the 4-H Fairgrounds, 3.0 mi south of Columbus.
Owner: City of Columbus.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 115 ft, cased to 106 ft, screened to 111 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 621.58 ft above sea level. Measuring point: Top of floor of shelter, 1.65 ft above land-surface datum.

REMARKS.--Water level affected by pumpage from municipal supply well field.

PERIOD OF RECORD.--April 1970 to current year.

REVISED RECORDS.--WDR IN-80-1: 1979.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.75 ft below land-surface datum, Apr. 27-30, 1973; lowest, 42.01 ft below land-surface datum, Nov. 14, 1992.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.84	28.83	29.32	29.73	28.97	28.18	27.15	25.96	---	---	---	---
10	28.64	28.93	29.40	29.60	28.83	28.09	27.02	25.53	---	---	---	31.30
15	28.43	28.99	29.33	29.27	28.66	27.89	27.01	25.43	---	---	---	32.01
20	28.68	29.13	29.35	29.18	28.50	27.61	27.06	25.02	---	---	---	31.61
25	28.36	29.17	29.56	29.20	28.45	27.44	26.61	23.50	---	---	---	29.10
EOM	28.54	29.17	29.41	29.08	28.25	27.25	26.21	22.68	---	---	---	31.99

WTR YR 1995 HIGH 22.65 JUN 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.84	32.03	31.39	31.06	30.05	29.40	28.31	26.94	---	---	---	---
10	31.62	32.08	30.62	30.93	30.03	29.23	28.30	26.56	---	---	---	31.90
15	31.68	32.02	30.63	30.56	29.80	29.82	28.14	26.48	---	---	---	32.18
20	32.03	31.74	30.72	30.49	29.73	28.77	28.17	25.93	---	---	---	32.18
25	31.49	31.45	30.82	30.06	29.57	28.61	27.74	24.37	---	---	---	31.87
EOM	31.66	31.27	30.63	30.06	29.46	28.39	27.49	23.66	---	---	---	32.69

WTR YR 1995 LOW 33.93 SEP 19

BARTHOLOMEW COUNTY

390317085523701. Local number, BA 10.
LOCATION.--Lat 39°03'17", long 85°52'08", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ sec.16, T.17 N., R.6 E., Bartholomew County, Hydrologic Unit 05120206, 0.8 mi east of State Highway 11 and 1.0 mi southeast of Jonesville.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 85 ft, cased to 80 ft, screened to 85 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 580 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.50 ft above land-surface datum.

REMARKS.--Hourly record indicates water level is affected by domestic pumpage. Not significant in monthly-annual report.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.66 ft below land-surface datum, Nov. 17, 1993; lowest, 12.65 ft below land-surface datum, Oct. 29, Nov. 2, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.53	10.94	10.75	9.71	8.75	8.35	8.19	6.40	5.87	8.05	8.37	8.54
10	10.70	10.92	10.24	9.83	8.73	4.76	8.37	6.38	6.51	8.26	4.45	8.81
15	10.74	10.83	9.72	9.58	8.85	6.19	8.49	6.07	7.05	8.35	6.48	9.05
20	10.81	10.75	9.38	9.39	8.28	6.87	8.56	2.05	7.36	8.52	7.09	9.18
25	10.93	10.89	9.43	9.11	8.21	7.49	4.22	4.55	7.58	8.65	7.60	9.30
EOM	10.87	10.81	9.53	8.84	8.37	7.88	6.00	4.75	7.84	8.87	8.17	9.52

WTR YR 1995 HIGH 1.89 MAY 19

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.68	11.15	10.86	9.85	8.80	8.48	8.28	6.50	5.99	8.11	9.10	8.66
10	10.76	11.05	10.55	9.91	8.94	5.29	8.51	6.52	6.68	8.42	5.16	8.93
15	10.85	10.93	9.82	9.75	9.00	6.45	8.66	6.62	7.18	8.61	6.66	9.12
20	10.93	10.92	9.46	9.51	8.38	7.04	8.71	2.13	7.49	8.59	7.20	9.29
25	10.98	10.98	9.48	9.21	8.37	7.59	4.62	4.86	7.69	8.77	7.76	9.46
EOM	11.02	10.97	9.69	9.00	8.52	8.01	6.24	5.15	7.95	8.96	8.26	9.59

WTR YR 1995 LOW 11.20 NOV 7

BARTHOLOMEW COUNTY

390658085572201. Local number, BA 13.
LOCATION.--Lat 39°06'58", long 85°57'22", in SW$^1/_4$NW$^1/_4$SE$^1/_4$ sec.22, T.8 N., R.5 E., Bartholomew County, Hydrologic Unit 05120206, at the end of farm access road, 0.3 mi north of County Road 600 South at its intersection with Interstate Highway 65.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 55.6 ft, cased to 50.6 ft, screened to 55.6 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 633.91 ft above sea level. Measuring point: Top of floor of shelter, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.55 ft below land-surface datum, March 18, 1994; lowest, 24.17 ft below land-surface datum, Feb. 16, 1989.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.99	20.76	21.15	21.25	20.84	20.61	20.63	20.65	20.30	20.47	20.36	20.86
10	21.15	21.17	21.07	21.10	20.51	21.02	20.53	20.21	20.43	20.47	20.49	20.80
15	21.10	21.39	21.48	20.80	20.58	20.78	20.62	20.49	20.61	20.57	20.56	20.87
20	20.98	20.88	21.40	20.56	20.53	20.17	20.38	20.41	20.37	20.47	20.58	20.68
25	21.13	21.31	21.28	21.16	20.74	20.82	20.53	20.55	20.30	20.47	20.65	20.70
EOM	20.60	21.41	21.11	20.70	20.74	20.69	20.53	20.51	20.43	20.68	20.56	20.73

WTR YR 1995 HIGH 19.99 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.11	21.14	21.34	21.64	21.04	20.93	20.91	20.78	20.58	20.57	20.65	20.94
10	21.30	21.49	21.45	21.37	20.75	21.19	20.70	20.30	20.55	20.54	20.53	20.93
15	21.21	21.52	21.54	21.01	20.86	20.92	20.76	20.62	20.75	20.63	20.61	20.97
20	21.06	21.45	21.47	20.80	20.84	20.41	20.65	20.47	20.48	20.56	20.62	20.82
25	21.24	21.43	21.38	21.27	21.11	20.94	20.70	20.68	20.35	20.53	20.72	20.84
EOM	21.10	21.65	21.27	20.97	21.02	20.76	20.64	20.62	20.49	20.77	20.64	20.88

WTR YR 1995 LOW 21.70 NOV 22

BENTON COUNTY

402851087213501. Local number, BE 4.

LOCATION.--Lat 40°28'51", long 87°21'35", in SE¼NE¼SE¼ sec.31, T.24 N., R.8 W., Benton County, Hydrologic Unit 05120108, on north side of county road, 3.6 mi southeast of Boswell.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 310 ft, cased to 300 ft, screened to 305 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 710 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.19 ft above land-surface datum.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.57 ft below land-surface datum, May 4, 1993; lowest, 16.55 ft below land-surface datum, Dec. 4, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.16	14.50	14.87	14.76	14.31	14.34	13.73	13.10	---	---	12.89	14.01
10	14.27	14.71	14.82	14.69	14.18	14.36	13.62	12.83	---	---	13.00	14.11
15	14.39	14.86	14.89	14.51	14.23	14.19	13.56	12.84	---	12.31	13.18	14.30
20	14.42	14.77	14.81	14.38	14.25	13.86	13.25	12.70	---	12.46	13.29	14.36
25	14.54	14.90	14.78	14.52	14.31	13.95	13.28	---	---	12.56	13.53	14.47
EOM	14.52	14.88	14.71	14.29	14.34	13.83	13.17	---	---	12.89	13.74	14.58

WTR YR 1995 HIGH 12.26 JUL 14

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.20	14.63	14.92	14.85	14.34	14.44	13.83	13.12	---	---	12.93	14.06
10	14.34	14.83	14.90	14.75	14.27	14.41	13.65	12.91	---	---	13.04	14.19
15	14.43	14.91	14.94	14.56	14.35	14.29	13.62	12.90	---	12.34	13.23	14.33
20	14.46	14.95	14.84	14.43	14.35	13.95	13.45	12.71	---	12.47	13.34	14.42
25	14.61	14.95	14.80	14.55	14.41	13.98	13.31	---	---	12.63	13.57	14.52
EOM	14.69	14.97	14.79	14.40	14.42	13.87	13.19	---	---	12.92	13.78	14.62

WTR YR 1995 LOW 14.99 NOV 23

BOONE COUNTY

400532086183901. Local number, BO 17.

LOCATION.--Lat 40°05'32", long 86°18'39", in SW¼SE¼NW¼ sec.16, T.19 N., R.2 E., Boone County, Hydrologic Unit 05120201, 0.6 mi north along U.S. Highway 421 from the intersection of U.S. Highway 421 and County Road 300 North at Waugh on the west side of the highway at the residence of John Sheets.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 171.8 ft, cased to 166.8 ft, screened to 171.8 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 956.50 ft above sea level. Measuring point: Mark on top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

REVISED RECORDS.--WDR IN-94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.87 ft below land-surface datum, July 11-13, 1986; lowest, 52.58 ft below land-surface datum, Sept. 20, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	49.86	49.54	49.19	49.00	48.59	48.38	47.93	49.30	50.88	52.21
10	---	50.31	49.73	49.47	49.07	49.02	48.53	48.20	48.09	49.57	50.87	52.50
15	---	50.31	49.78	49.34	49.10	48.95	48.49	48.22	48.30	50.01	50.91	52.55
20	---	50.14	49.70	49.17	49.09	48.72	48.42	48.05	48.61	50.46	51.12	52.55
25	---	50.11	49.65	49.31	49.11	48.82	48.48	48.07	48.88	50.54	51.37	52.44
EOM	---	49.98	49.53	49.16	49.10	48.67	48.41	48.03	49.19	50.75	51.81	52.44

WTR YR 1995 HIGH 47.90 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	49.90	49.65	49.25	49.12	48.68	48.41	48.01	49.34	50.93	52.28
10	---	50.38	49.85	49.54	49.17	49.07	48.58	48.26	48.14	49.65	50.90	52.56
15	---	50.32	49.83	49.39	49.22	49.03	48.55	48.27	48.37	50.16	50.92	52.57
20	---	50.28	49.73	49.22	49.17	48.81	48.49	48.07	48.69	50.49	51.16	52.58
25	---	50.14	49.67	49.35	49.22	48.85	48.53	48.12	48.95	50.57	51.43	52.52
EOM	---	50.06	49.62	49.24	49.16	48.71	48.45	48.06	49.23	50.79	51.89	52.44

WTR YR 1995 LOW 52.58 SEP 20

CASS COUNTY

403407086175701. Local number, CS 3.
LOCATION.--Lat 40°34'07", long 86°17'57", in NE¼NE¼SE¼ sec.33, T.25 N., R.2 E., Cass County, Hydrologic Unit 05120105, at intersection of State Highway 18 and County Road 400 East, 2.5 mi east of Young America. Owner: U.S. Geological Survey.

AQUIFER.--Dolomitic limestone of Devonian-Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 130 ft, cased to 78 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 781.74 ft above sea level. Measuring point: Top of floor of shelter, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--August 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.85 ft below land-surface datum, Feb. 2, 1968; lowest, 10.12 ft below land-surface datum, Nov. 26, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.16	7.33	7.84	8.80	8.49	8.13	6.69	6.14	5.45	5.95	6.75	7.88
10	7.31	7.65	8.09	8.66	8.98	8.05	6.43	5.86	5.66	6.07	7.14	7.49
15	7.40	7.60	8.65	7.80	8.88	6.67	6.26	5.80	5.90	7.52	8.35	7.35
20	7.32	7.63	8.45	7.79	7.96	6.04	6.01	5.68	6.44	6.83	9.04	7.88
25	7.63	8.28	8.15	8.77	8.07	6.39	6.06	5.53	6.33	6.54	8.61	7.91
EOM	7.64	8.36	8.15	8.41	7.79	6.32	6.02	5.43	6.08	7.16	8.26	7.84

WTR YR 1995 HIGH 5.23 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.35	7.61	8.01	8.92	8.77	8.42	6.79	6.22	5.59	6.14	7.02	8.07
10	7.37	7.87	8.25	8.76	9.20	8.22	6.59	6.12	5.91	6.26	7.46	7.60
15	7.55	7.77	8.76	8.09	9.13	6.96	6.44	5.89	6.10	7.70	8.57	7.45
20	7.44	7.93	8.52	8.06	8.17	6.22	6.09	5.77	6.72	7.13	9.22	7.96
25	7.85	8.34	8.19	8.94	8.22	6.52	6.23	5.61	6.60	6.70	8.77	8.03
EOM	7.88	8.60	8.35	8.59	8.09	6.47	6.24	5.49	6.23	7.33	8.48	7.92

WTR YR 1995 LOW 9.50 FEB 12

CLAY COUNTY

392653087120501. Local number, CY 6.
LOCATION.--Lat 39°26'53", long 87°12'05", in SE¼SE¼SE¼ sec.29, T.12 N., R.7 W., Clay County, Hydrologic Unit 05120111, 2.8 mi southwest of Staunton and 4.0 mi west of State Highway 59 just north of State Highway 42. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone of the Mansfield Formation, Pennsylvanian Period.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 400 ft, cased to 347 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 653.16 ft above sea level. Measuring point: Top of casing, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1987 to current year.

REVISED RECORDS.--WDR IN94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 151.36 ft below land-surface datum, Jan. 19, 1988; lowest, 165.28 ft below land-surface datum, June 8, 1992.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	155.15	155.27	155.27	155.21	155.02	154.87	154.94	---	---	155.39	155.82
10	---	155.31	155.25	155.24	155.08	155.11	154.82	---	---	---	155.33	155.86
15	---	155.35	155.33	155.20	155.05	154.99	154.79	---	---	155.32	155.46	155.93
20	---	155.19	155.31	155.14	155.06	154.58	154.62	---	---	155.34	155.53	155.85
25	155.29	155.32	155.30	155.27	155.07	155.01	154.85	---	---	155.33	155.57	155.84
EOM	155.13	155.32	155.23	155.15	155.10	154.93	154.82	---	---	155.56	155.63	155.89

WTR YR 1995 HIGH 154.58 MAR 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	155.34	155.34	155.44	155.28	155.11	155.10	155.08	---	---	155.63	156.01
10	---	155.39	155.35	155.33	155.19	155.16	154.97	---	---	---	155.55	156.01
15	---	155.42	155.41	155.30	155.19	155.10	155.06	---	---	155.48	155.57	156.08
20	---	155.41	155.37	155.20	155.14	154.75	154.90	---	---	155.45	155.67	156.04
25	155.33	155.36	155.34	155.36	155.24	155.13	155.05	---	---	155.54	155.76	156.08
EOM	155.31	155.46	155.36	155.28	155.21	155.12	155.02	---	---	155.69	155.73	156.08

WTR YR 1995 LOW 156.22 SEP 23

CLAY COUNTY

391124087134701. Local number, CY 7.
LOCATION.--Lat 39°11'24", long 87°13'47", in SW1/4NW1/4SE1/4 sec. 30, T.9N., R.7W., Clay County, Hydrologic Unit 05120111, 300 ft east of State Highway 159 just south of Coalmont and about 3.6 mi northwest of Jasonville. Owner: U.S. Geological Survey

AQUIFER.--Sandstone of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 121 ft, cased to 80 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 616.80 ft (revised) above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 25.59 ft below land-surface datum, Sept. 4, 5, 1988; lowest, 33.05 ft below land-surface datum, Dec. 26, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.12	30.27	30.33	30.04	29.39	29.11	28.97	28.61	28.38	28.74	29.34	29.56
10	30.14	30.31	30.24	29.94	29.28	29.05	28.88	28.52	28.43	28.86	29.07	29.63
15	30.22	30.39	30.25	29.83	29.24	29.00	28.87	28.51	28.52	29.00	29.18	29.73
20	30.26	30.36	30.16	29.70	29.21	28.94	28.71	28.41	28.62	29.05	29.21	29.79
25	30.35	30.41	30.12	29.67	29.20	29.00	28.68	28.40	28.65	29.09	29.31	29.87
EOM	30.39	30.36	30.04	29.46	29.16	28.96	28.66	28.40	28.67	29.27	29.43	29.96

WTR YR 1995 HIGH 28.31 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.12	30.40	30.34	30.09	29.40	29.16	28.99	28.64	28.40	28.77	29.37	29.59
10	30.17	30.36	30.29	29.98	29.33	29.07	28.90	28.55	28.46	28.90	29.11	29.66
15	30.24	30.39	30.28	29.86	29.30	29.02	28.90	28.54	28.57	29.03	29.20	29.75
20	30.29	30.42	30.19	29.71	29.24	28.96	28.79	28.42	28.64	29.06	29.23	29.82
25	30.37	30.41	30.13	29.70	29.24	29.00	28.70	28.43	28.68	29.12	29.34	29.89
EOM	30.44	30.38	30.10	29.51	29.18	28.99	28.68	28.42	28.70	29.29	29.45	29.98

WTR YR 1995 LOW 30.49 NOV 4

DECATUR COUNTY

392022085371801. Local number, DC 2.
LOCATION.--Lat 39°20'22", long 85°37'18", in SE¼NE¼SW¼ sec.3, T.10 N., R.8 E., Decatur County, Hydrologic Unit 05120206, at the intersection of County Roads 50 North and 750 West and 7.5 mi west of Greensburg. Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 49 ft, cased to 12.5 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 840.8 ft above sea level. Measuring point: Top of floor of shelter, 3.02 ft above land-surface datum.

PERIOD OF RECORD.--September 1966 to October 1971, September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.12 ft below land-surface datum, Dec. 30, 1991; lowest, 9.25 ft below land-surface datum, Feb. 9-11, 1977.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

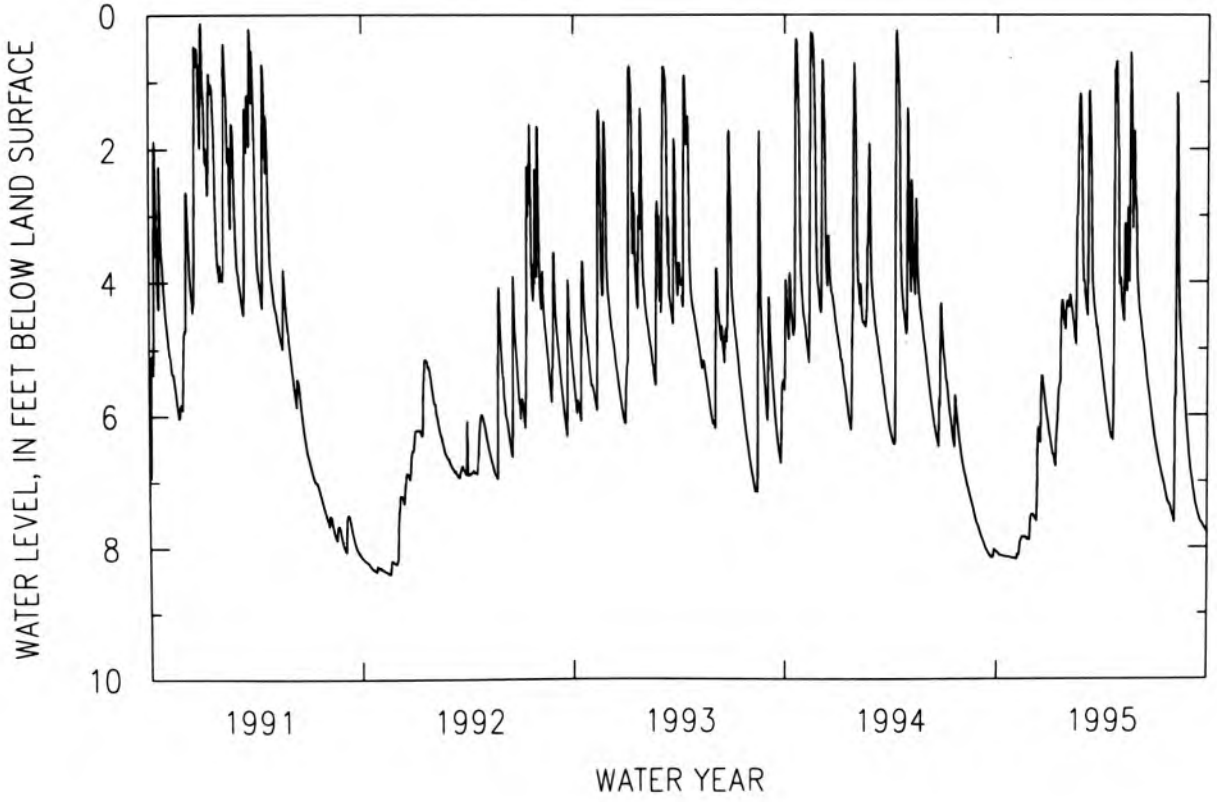
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.10	8.10	7.54	6.59	4.28	4.44	5.67	4.38	4.50	6.54	5.71	7.03
10	8.12	7.92	6.40	6.77	4.60	1.62	6.00	3.43	4.86	6.77	2.57	7.33
15	8.13	7.84	6.41	5.65	3.01	4.09	6.29	3.33	5.24	6.96	4.82	7.50
20	8.14	7.84	5.55	4.31	1.17	4.53	5.87	1.17	5.62	7.16	5.44	7.62
25	8.15	7.88	5.93	4.60	3.33	4.87	1.05	1.73	5.95	7.32	6.09	7.69
EOM	8.16	7.49	6.31	4.32	3.99	5.29	4.03	3.95	6.29	7.48	6.70	7.76

WTR YR 1995 HIGH .56 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.12	8.19	7.58	6.60	4.36	4.50	5.72	4.46	4.55	6.60	7.66	7.10
10	8.14	7.97	7.27	6.80	4.70	1.95	6.07	3.91	4.92	6.81	3.87	7.37
15	8.15	7.86	6.49	5.90	4.96	4.20	6.34	3.87	5.33	7.00	4.95	7.53
20	8.16	7.87	5.63	4.65	1.41	4.62	6.43	1.61	5.71	7.21	5.56	7.63
25	8.17	7.90	6.00	4.66	3.81	4.93	1.46	2.24	6.02	7.34	6.20	7.71
EOM	8.18	7.50	6.36	4.36	4.11	5.36	4.22	4.10	6.35	7.52	6.79	7.77

WTR YR 1995 LOW 8.20 NOV 3



DELAWARE COUNTY

400541085213701. Local number, DW 4.
LOCATION.--Lat 40°05'36", long 85°21'38", in NW$^1/_4$SE$^1/_4$SW$^1/_4$ sec.14, T.19 N., R.10 E., Delaware County, Hydrologic Unit 05120201, on property owned by Monroe Township Conservation Club, and 8.0 mi south of Muncie.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 91 ft, cased to 89 ft, screened to 91 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 1,005 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.88 ft above land-surface datum.

PERIOD OF RECORD.--October 1966 to October 1971, October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 42.21 ft below land-surface datum, Dec. 30, 1990; lowest, 49.50 ft below land-surface datum, Oct. 13, 14, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.60	48.51	48.54	48.51	48.30	48.31	48.28	48.10	---	---	48.21	---
10	48.59	48.49	48.40	48.56	48.35	47.32	48.30	---	---	---	48.26	48.56
15	48.58	48.51	48.38	48.42	48.38	47.62	---	---	---	48.24	48.34	48.58
20	48.56	48.54	48.30	48.09	48.30	---	---	---	---	48.30	48.39	48.58
25	48.57	48.56	48.38	48.04	48.34	48.06	47.78	---	---	48.08	48.44	48.57
EOM	48.56	48.52	48.47	48.21	48.30	48.20	47.96	---	---	48.14	---	48.59

WTR YR 1995 HIGH 47.32 MAR 9

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.61	48.57	48.55	48.52	48.32	48.32	48.29	48.13	---	---	48.25	---
10	48.60	48.51	48.46	48.56	48.37	47.33	48.32	---	---	---	48.29	48.57
15	48.58	48.52	48.39	48.46	48.41	47.68	---	---	---	48.25	48.35	48.58
20	48.57	48.55	48.31	48.34	48.32	---	---	---	---	48.31	48.39	48.58
25	48.58	48.57	48.40	48.07	48.35	48.09	47.82	---	---	48.32	48.45	48.58
EOM	48.58	48.53	48.47	48.23	48.35	48.22	48.00	---	---	48.17	---	48.59

WTR YR 1995 LOW 48.62 OCT 4

ELKHART COUNTY

413121085481301. Local number, EH 4.
LOCATION.--Lat 41°31'21", long 85°48'13", in SW¼SE¼SW¼, sec.35, T.36 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, at the southwest corner of Goshen Municipal Airport.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 62 ft, cased to 58 ft, screened to 60 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 818 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--November 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.60 ft below land-surface datum, Apr. 14, 1985; lowest, 16.18 ft below land-surface datum, Dec. 1-5, 1971.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

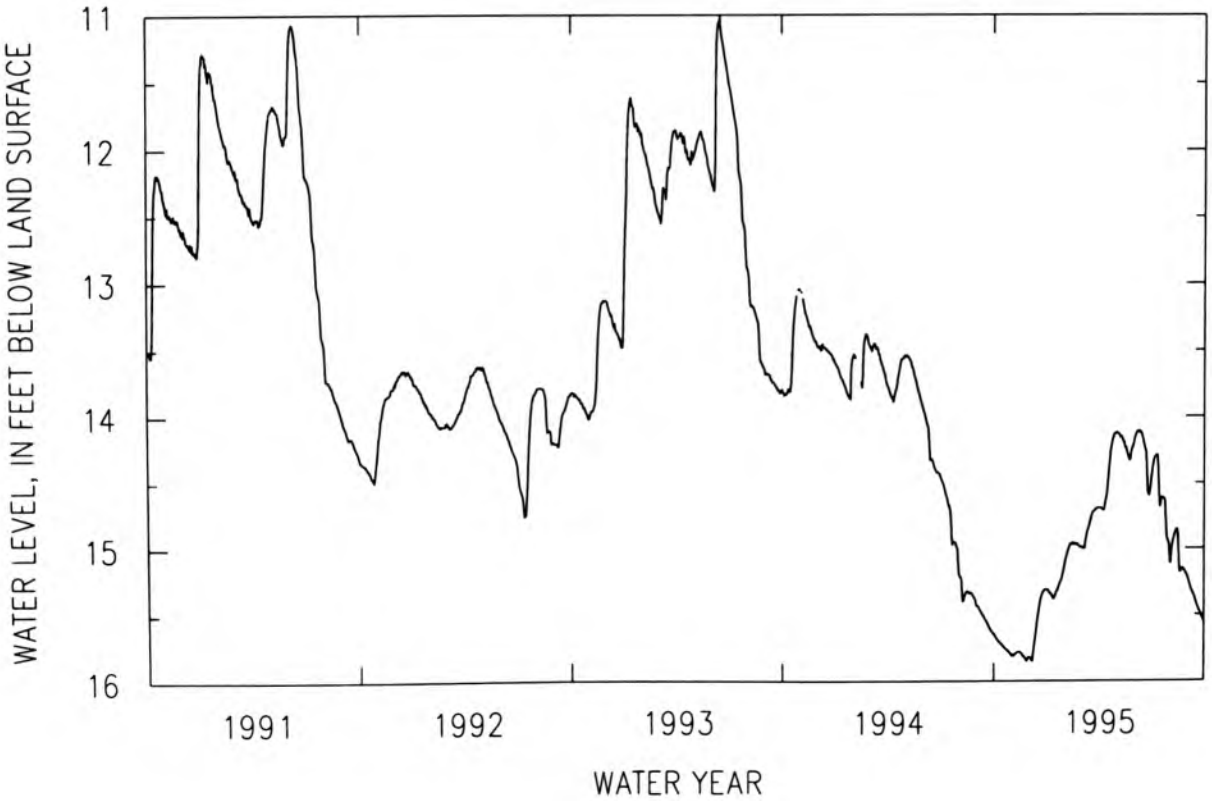
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	15.80	15.84	15.34	15.02	15.00	14.70	14.13	14.12	14.32	14.99	15.27
10	15.71	15.78	15.70	15.37	14.96	14.88	14.67	14.16	14.11	14.29	14.89	15.33
15	15.73	15.78	15.53	15.35	14.95	14.80	14.52	14.23	14.16	14.68	14.86	15.39
20	15.75	15.81	15.39	15.29	14.96	14.72	14.27	14.29	14.25	14.61	15.17	15.45
25	15.77	15.84	15.33	15.24	14.98	14.70	14.16	14.30	14.59	14.73	15.15	15.50
EOM	15.81	15.82	15.31	15.11	14.99	14.69	14.13	14.19	14.47	14.97	15.20	15.55

WTR YR 1995 HIGH 14.11 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	15.81	15.85	15.34	15.04	15.00	14.71	14.15	14.13	14.34	15.04	15.28
10	15.71	15.79	15.74	15.38	14.97	14.91	14.70	14.17	14.12	14.29	14.90	15.34
15	15.73	15.79	15.56	15.36	14.97	14.83	14.57	14.24	14.18	14.72	14.93	15.40
20	15.76	15.81	15.42	15.31	14.97	14.75	14.32	14.30	14.27	14.62	15.18	15.46
25	15.78	15.85	15.33	15.25	14.99	14.71	14.17	14.33	14.60	14.82	15.16	15.51
EOM	15.81	15.82	15.31	15.14	14.99	14.69	14.13	14.21	14.51	15.03	15.21	15.57

WTR YR 1995 LOW 15.85 NOV 25



ELKHART COUNTY

414419085544601. Local number, EH 5.
LOCATION.--Lat 41°44'19", long 85°54'46", in NW1/4NE1/4NE1/4 sec.23, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on the inlet to Heaton Lake, and 3.5 mi east of Elkhart.
Owner: State of Indiana.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 13 ft, cased to 11 ft, screened to 13 ft.
INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 770 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.37 ft below land-surface datum, June 16, 1981; lowest, 5.65 ft below land-surface datum, Sept. 17-19, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.35	4.21	3.85	3.71	3.48	3.59	3.48	3.31	3.44	3.49	2.80	3.69
10	4.40	3.94	3.40	3.79	3.55	3.25	3.11	3.35	3.51	3.60	3.01	3.75
15	4.55	3.89	3.50	3.45	3.64	3.28	3.11	3.35	3.65	3.82	3.05	3.90
20	4.59	3.91	3.41	3.31	3.59	3.31	3.21	3.46	3.81	3.85	3.10	4.01
25	4.64	3.95	3.51	3.34	3.59	3.44	3.24	3.30	4.04	3.55	3.35	4.09
EOM	4.51	3.81	3.60	3.42	3.51	3.46	3.30	3.31	3.41	3.74	3.51	4.25

WTR YR 1995 HIGH 2.80 AUG 5

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.35	4.41	3.85	3.72	3.50	3.59	3.49	3.31	3.46	3.51	2.82	3.75
10	4.43	3.94	3.42	3.79	3.56	3.26	3.28	3.36	3.54	3.65	3.06	3.79
15	4.56	3.90	3.50	3.45	3.64	3.29	3.14	3.41	3.68	3.91	3.25	3.91
20	4.60	3.92	3.45	3.32	3.62	3.31	3.22	3.46	3.86	3.86	3.16	4.02
25	4.65	3.96	3.54	3.35	3.59	3.46	3.24	3.34	4.10	3.58	3.40	4.14
EOM	4.72	3.84	3.61	3.42	3.51	3.46	3.31	3.36	3.41	3.80	3.52	4.26

WTR YR 1995 LOW 4.72 OCT 29

ELKHART COUNTY

414351085540401. Local number, EH 6.
LOCATION.--Lat 41°43'51", long 85°54'04", in NW1/4NE1/4SW1/4 sec.24, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on the southeast shore of Heaton Lake, and 4.0 mi east of Elkhart.
Owner: State of Indiana.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 22 ft, cased to 20 ft, screened to 22 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 770 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.10 ft below land-surface datum, June 16-19, 1981; lowest, 10.68 ft below land-surface datum, Oct. 16, 17, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.28	9.60	9.09	8.72	8.36	8.65	8.36	8.05	8.22	8.34	7.88	8.46
10	9.37	9.41	8.85	8.78	8.46	8.31	8.23	8.09	8.32	8.41	7.70	8.55
15	9.48	9.25	8.67	8.75	8.57	8.11	8.00	8.15	8.36	8.74	7.78	8.76
20	9.52	9.16	8.58	8.55	8.63	8.04	7.90	8.26	8.58	8.77	7.75	8.88
25	9.58	9.14	8.58	8.43	8.65	8.19	7.93	8.23	8.78	8.57	7.88	9.04
EOM	9.68	9.10	8.64	8.34	8.70	8.24	8.00	8.20	8.39	8.59	8.20	9.11

WTR YR 1995 HIGH 7.70 AUG 9

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.31	9.63	9.10	8.72	8.40	8.72	8.37	8.07	8.24	8.35	8.04	8.50
10	9.39	9.44	8.92	8.79	8.48	8.43	8.33	8.10	8.32	8.44	7.70	8.61
15	9.49	9.27	8.69	8.76	8.60	8.14	8.03	8.20	8.42	8.76	7.80	8.79
20	9.54	9.18	8.58	8.60	8.64	8.05	7.92	8.28	8.62	8.77	7.76	8.89
25	9.59	9.15	8.59	8.45	8.66	8.22	7.94	8.26	8.82	8.60	7.92	9.06
EOM	9.70	9.10	8.64	8.38	8.70	8.27	8.00	8.22	8.43	8.74	8.26	9.13

WTR YR 1995 LOW 9.70 OCT 30

ELKHART COUNTY

414514085505001. Local number, EH 7.
LOCATION.--Lat 41°45'14", long 85°50'50", in SW$^1/_4$SE$^1/_4$SW$^1/_4$ sec.9, T.38 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, on north side of County Road 2, 200 ft east of County Road 21, and 2.7 mi northwest of Bristol.
Owner: U.S. Geological Survey.

AQUIFER.--Fine to medium sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 61 ft, cased to 56 ft, screened to 61 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 781 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.70 ft above land-surface datum.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.50 ft below land-surface datum, Feb. 24, 1985; lowest, 12.73 ft below land-surface datum, Aug. 5, 6, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.75	11.01	11.03	10.68	---	---	10.27	10.15	10.20	10.56	10.16	10.38
10	10.80	11.05	10.97	10.70	---	---	10.28	10.15	10.17	10.50	9.56	10.37
15	10.84	11.04	10.87	10.70	---	---	10.25	10.17	10.20	10.95	9.62	10.38
20	10.88	11.00	10.78	10.67	---	10.30	10.21	10.21	10.36	10.70	9.50	10.39
25	10.93	11.01	10.73	10.61	---	10.29	10.17	10.27	10.65	10.53	9.81	10.43
EOM	10.97	11.03	10.70	---	---	10.26	10.15	10.26	10.73	10.42	10.12	10.49

WTR YR 1995 HIGH 9.47 AUG 13

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.76	11.02	11.04	10.69	---	---	10.29	10.16	10.23	10.59	10.32	10.40
10	10.81	11.05	11.01	10.71	---	---	10.30	10.16	10.19	10.56	9.62	10.38
15	10.85	11.05	10.89	10.70	---	---	10.26	10.18	10.22	10.98	9.69	10.39
20	10.89	11.03	10.80	10.67	---	10.32	10.23	10.22	10.40	10.73	9.50	10.41
25	10.94	11.02	10.74	10.63	---	10.30	10.18	10.28	10.74	10.60	9.92	10.44
EOM	10.98	11.04	10.70	---	---	10.27	10.16	10.27	10.76	10.47	10.13	10.50

WTR YR 1995 LOW 11.06 NOV 11

ELKHART COUNTY

414419085595801. Local number, EH 9.
LOCATION.--Lat 41°44'19", long 85°59'58", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ sec.19, T.38 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on the west side of Iris Avenue, about 6 mi northwest of Elkhart.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in, depth 33.8 ft, cased to 28.8 ft with 5 ft stainless steel screen.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 785.27 ft above sea level. Measuring point: Top of casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--July 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.09 ft below land-surface datum, Jan. 16, 1991; lowest, 21.39 ft below land-surface datum, Sept. 30, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.89	20.92	20.72	20.65	20.62	20.66	20.03	19.95	20.17	20.65	20.80	21.06
10	20.87	20.94	20.65	20.84	20.84	20.61	19.96	19.90	20.21	20.87	20.60	21.14
15	21.05	20.91	20.78	20.92	20.80	20.46	19.86	19.78	20.31	21.02	20.67	21.27
20	20.98	21.13	20.78	21.00	20.74	20.33	19.95	20.03	20.49	21.06	20.55	21.34
25	20.86	21.01	20.54	20.76	20.91	20.25	20.21	20.17	20.85	20.82	20.65	21.09
EOM	20.79	20.85	20.56	20.74	20.78	20.16	19.97	20.03	20.63	21.11	20.93	21.33

WTR YR 1995 HIGH 19.78 MAY 14

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.99	21.02	20.81	20.70	20.67	20.67	20.10	20.07	20.26	20.76	20.91	21.10
10	20.97	21.11	20.72	20.89	20.94	20.64	20.12	19.95	20.30	20.93	20.66	21.18
15	21.13	20.94	20.85	21.02	20.82	20.48	19.93	19.92	20.39	21.07	20.74	21.29
20	21.10	21.26	20.86	21.09	20.77	20.36	20.03	20.15	20.59	21.13	20.59	21.37
25	20.99	21.08	20.61	20.83	20.96	20.32	20.26	20.21	20.89	20.87	20.72	21.13
EOM	20.94	20.94	20.67	20.81	20.82	20.19	20.12	20.14	20.68	21.14	20.97	21.39

WTR YR 1995 LOW 21.39 SEP 30

FOUNTAIN COUNTY

401200087121701. Local number, FO 3.
LOCATION.--Lat 40°12'00", long 87°12'17", in NW¼NW¼NW¼ sec.10, T.20 N., R.7 W., Fountain County, Hydrologic Unit 05120108, on the southwest corner of the Union Church property on County Road 520 North, about 6.5 mi southeast of Attica.
Owner: U.S. Geological Survey.

AQUIFER.--Shale and sandstone of the Mississippian Period.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 102 ft, cased to 22 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 670.99 ft above sea level. Measuring point: Top of casing, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.02 ft below land-surface datum, Mar. 11, 1990; lowest, 13.53 ft below land-surface datum, Dec. 21, 22, 25-27, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.30	11.62	11.73	11.62	10.98	11.50	10.20	9.92	8.70	9.61	10.53	11.39
10	11.37	11.43	11.24	11.69	11.00	9.26	10.34	9.95	8.83	9.81	10.57	11.51
15	11.45	11.49	11.30	11.26	11.11	9.53	10.06	10.16	9.02	10.00	10.73	11.60
20	11.53	11.60	11.28	10.73	11.26	9.66	9.84	8.23	9.14	10.18	10.88	---
25	11.62	11.68	11.37	10.75	11.38	9.96	9.76	8.47	9.27	10.34	11.02	---
EOM	---	11.64	11.53	10.86	11.43	10.09	9.80	8.38	9.41	10.57	11.21	---

WTR YR 1995 HIGH 8.14 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.31	11.75	11.76	11.64	11.01	11.51	10.26	9.96	8.73	9.66	10.55	11.42
10	11.39	11.51	11.30	11.69	11.05	9.28	10.37	10.05	8.95	9.85	10.60	11.54
15	11.47	11.53	11.41	11.37	11.18	9.56	10.10	10.18	9.08	10.03	10.77	11.61
20	11.55	11.64	11.29	10.87	11.28	9.74	9.96	8.38	9.18	10.21	10.90	---
25	11.64	11.72	11.40	10.77	11.39	9.98	9.80	8.51	9.30	10.38	11.05	---
EOM	11.72	11.66	11.54	10.88	11.46	10.11	9.85	8.44	9.46	10.61	11.24	---

WTR YR 1995 LOW 11.77 NOV 3

FRANKLIN COUNTY

392416085004301. Local number, FR 5.
LOCATION.--Lat 39°24'16", long 85°00'43", in SE¼NE¼NW¼ sec.32, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, adjacent to property of Franklin County Conservation Club, 1.0 mi south of Brookville.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 61 ft, cased to 57 ft, screened to 59 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 621.79 ft above sea level. Measuring point: Top of floor of shelter, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1968 to October 1971, September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.95 ft below land-surface datum, May 24, 1968; lowest, 27.32 ft below land-surface datum, Feb. 1, 1977.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.88	26.06	26.30	26.38	25.82	25.61	25.93	24.55	22.88	25.01	25.27	26.25
10	26.90	25.93	26.22	26.47	26.04	24.75	25.93	24.06	23.85	25.38	24.32	26.33
15	26.92	25.82	26.21	25.94	26.05	25.03	25.85	23.61	24.62	25.48	25.04	26.40
20	26.43	25.78	26.03	25.69	25.41	25.33	25.94	19.60	24.93	25.67	25.47	26.46
25	26.23	25.77	26.13	25.53	25.52	25.55	24.06	20.78	24.85	25.60	25.83	26.50
EOM	26.12	25.87	26.24	25.53	25.55	25.74	24.53	21.67	24.96	25.75	26.10	26.61

WTR YR 1995 HIGH 19.60 MAY 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.89	26.08	26.33	26.42	25.87	25.62	25.97	24.58	23.07	25.08	25.84	26.28
10	26.91	25.99	26.35	26.48	26.07	24.76	26.01	24.13	24.04	25.45	24.33	26.34
15	26.92	25.83	26.24	26.13	26.22	25.10	25.88	23.64	24.72	25.74	25.19	26.42
20	26.49	25.79	26.05	25.80	25.42	25.39	25.97	19.96	25.14	25.73	25.56	26.46
25	26.26	25.77	26.16	25.54	25.54	25.59	24.20	20.98	24.87	25.65	25.89	26.53
EOM	26.14	25.97	26.26	25.62	25.60	25.78	24.59	22.00	24.98	25.78	26.14	26.63

WTR YR 1995 LOW 26.92 OCT 13

FULTON COUNTY

405829086175801. Local number, FU 7.
LOCATION.--Lat 40°58′29", long 86°17′58", in NW¼NW¼SW¼ sec.10, T.29 N., R.2 E., Fulton County, Hydrologic Unit 05120106, 2.5 mi northwest of Fulton.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 102 ft, cased to 96 ft, screened to 102 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 776.45 ft above sea level. Measuring point: Top of floor of shelter, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.35 ft below land-surface datum, Apr. 23-27, 1973; lowest, 13.21 ft below land-surface datum, Oct. 13, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.49	11.58	10.90	10.25	9.37	10.03	9.65	9.16	8.42	9.02	10.55	11.71
10	11.54	11.43	10.26	10.37	9.50	9.21	9.36	9.24	8.60	9.24	10.43	11.81
15	11.61	11.26	10.16	9.84	9.70	9.01	8.82	9.39	8.83	9.61	10.61	11.80
20	11.63	11.15	10.06	9.19	9.89	8.98	8.76	9.19	9.10	9.95	11.00	11.83
25	11.72	11.22	10.07	9.14	10.03	9.31	8.85	8.61	9.23	10.15	11.27	11.86
EOM	11.68	11.05	10.16	9.24	10.05	9.47	9.02	8.21	8.91	10.60	11.56	11.91

WTR YR 1995 HIGH 8.20 MAY 29

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.50	11.73	10.92	10.29	9.44	10.11	9.67	9.21	8.43	9.05	10.66	11.72
10	11.59	11.44	10.40	10.37	9.56	9.37	9.62	9.27	8.60	9.31	10.44	11.83
15	11.63	11.27	10.18	9.96	9.78	9.04	8.86	9.42	8.91	9.75	10.80	11.82
20	11.67	11.25	10.07	9.36	9.92	9.03	8.82	9.24	9.13	9.96	11.10	11.98
25	11.76	11.25	10.09	9.16	10.08	9.36	8.90	8.81	9.28	10.24	11.31	11.90
EOM	11.81	11.06	10.19	9.26	10.10	9.50	9.04	8.21	8.94	10.60	11.57	11.93

WTR YR 1995 LOW 11.98 SEP 20

GRANT COUNTY

402322085481901. Local number, GT 8.
LOCATION.--Lat 40°23′22", long 85°48′19", in NW¼SW¼NW¼ sec.1, T.22 N., R.6 E., Grant County, Hydrologic Unit 05120107, located on County Road 700 West right-of-way, and 1.0 mi northwest of Rigdon.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 35 ft, cased to 20 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 880 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--October 1966 to October 1971, July 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.16 ft below land-surface datum, Mar. 21, 1984; lowest, 10.66 ft below land-surface datum, Oct. 29, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.77	9.04	8.75	6.73	4.68	4.52	4.23	4.02	3.77	3.42	4.98	6.76
10	8.87	9.08	7.96	6.76	4.62	2.65	3.92	3.99	3.68	3.94	5.20	6.91
15	8.95	9.01	7.79	6.50	4.80	3.05	3.32	3.73	3.87	4.42	5.57	7.12
20	8.97	8.82	7.02	4.58	4.88	3.39	3.36	2.63	4.00	4.61	5.84	7.10
25	9.07	8.97	6.80	4.48	5.06	4.01	3.38	3.01	4.17	4.63	6.10	7.25
EOM	8.98	8.93	6.69	4.54	5.02	4.07	3.74	3.52	2.70	4.87	6.38	7.46

WTR YR 1995 HIGH 2.63 MAR 11

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.02	9.26	8.80	6.93	4.77	4.69	4.35	4.21	4.10	3.62	5.05	7.00
10	9.02	9.34	8.24	6.90	4.77	2.72	4.26	4.24	3.98	4.24	5.62	7.08
15	9.28	9.06	7.86	6.54	4.98	3.13	3.40	4.02	4.16	4.73	5.91	7.43
20	9.08	9.04	7.12	5.56	5.04	3.50	3.53	2.75	4.40	4.79	6.21	7.39
25	9.36	9.07	6.83	4.53	5.25	4.09	3.53	3.08	4.30	4.94	6.56	7.57
EOM	9.20	8.98	6.76	4.63	5.07	4.11	3.83	3.76	2.85	5.22	6.62	7.66

WTR YR 1995 LOW 9.42 NOV 6

GRANT COUNTY

403836085374401. Local number, GT 10.
LOCATION.--Lat 40°38'36", long 85°37'44", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec.4, T.25 N., R.8 E., Grant County, Hydrologic Unit 05120103, 0.20 mi north of intersection of State Highway 9 and County Road 600 North on west side of road.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 198 ft, cased to 193 ft, screened to 198 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 912.16 ft above sea level. Measuring point: Top of casing, 3.16 ft above land-surface datum.

PERIOD OF RECORD.--August 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 107.39 ft below land-surface datum, Apr. 6, 1988; lowest, 122.83 ft below land-surface datum, September 23, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	120.11	119.46	117.72	120.00	120.36	120.32	118.16	120.34	120.99	121.63	121.71	122.51
10	120.79	120.50	117.31	118.16	117.78	118.67	117.95	119.60	121.27	121.76	121.88	122.54
15	120.68	118.84	117.44	117.31	117.57	120.09	118.32	120.66	121.54	121.79	122.09	122.60
20	118.08	117.48	117.67	116.97	117.61	118.85	117.59	120.94	121.44	121.71	122.16	122.36
25	117.58	119.99	117.36	119.62	119.73	118.17	118.75	121.32	121.39	121.72	122.30	122.42
EOM	117.44	119.53	119.72	120.17	119.88	120.22	118.33	120.44	121.53	121.73	122.16	122.45

WTR YR 1995 HIGH 116.97 JAN 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	120.26	120.06	117.81	120.19	120.43	120.74	118.67	120.54	121.22	121.68	121.87	122.61
10	120.98	120.75	117.69	118.77	118.17	119.07	118.07	119.89	121.39	121.83	121.92	122.69
15	120.74	119.27	117.51	117.47	118.03	120.25	119.13	120.82	121.69	121.88	122.15	122.72
20	118.21	118.11	117.75	117.18	118.68	120.21	118.02	121.01	121.54	121.73	122.21	122.53
25	117.67	120.10	117.42	119.84	120.55	118.34	119.45	121.45	121.46	121.77	122.37	122.63
EOM	118.15	120.02	119.79	120.38	120.43	120.37	119.11	120.67	121.64	121.81	122.26	122.58

WTR YR 1995 LOW 122.83 SEP 23

HAMILTON COUNTY

400000086023001. Local number, HA 5.
LOCATION.--Lat 40°00'00", long 86°02'30", in NE$^1/_4$NE$^1/_4$NW$^1/_4$ sec.23, T.18 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on south side of 146th Street, 1.0 mi west of White River, 1.2 mi west of Allisonville Road, and 3.5 mi southwest of Noblesville.
Owner: Earlham College.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 86 ft, cased to 82 ft, screened to 86 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 757.69 ft (revised) above sea level. Measuring point: Top of floor of shelter, 2.76 ft above land-surface datum.

PERIOD OF RECORD.--July 1965 to September 1971, July 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.39 ft below land-surface datum, Dec. 31, 1991; lowest, 12.27 ft below land-surface datum, Apr. 17, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.11	11.22	11.15	11.36	11.51	12.03	12.09	12.15	11.24	11.47	11.77	12.04
10	11.16	11.16	11.12	11.43	11.60	11.63	12.18	12.16	11.26	11.53	11.78	12.09
15	11.18	11.17	11.17	11.42	11.70	11.60	12.24	12.11	11.31	11.60	11.83	12.14
20	11.21	11.25	11.11	11.32	11.80	11.75	12.24	11.54	11.38	11.67	11.87	12.18
25	11.24	11.28	11.19	11.33	11.90	11.89	12.16	11.25	11.43	11.65	11.92	12.21
EOM	11.27	11.12	11.30	11.45	11.95	12.00	12.15	11.20	11.41	11.71	11.99	12.25

WTR YR 1995 HIGH 11.07 OCT 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.12	11.29	11.16	11.37	11.52	12.04	12.11	12.15	11.25	11.48	11.77	12.06
10	11.16	11.19	11.14	11.44	11.62	11.67	12.19	12.16	11.27	11.54	11.79	12.10
15	11.19	11.18	11.18	11.43	11.72	11.62	12.25	12.12	11.32	11.62	11.85	12.14
20	11.22	11.26	11.12	11.41	11.82	11.77	12.24	11.68	11.40	11.68	11.88	12.19
25	11.24	11.29	11.21	11.35	11.91	11.91	12.17	11.27	11.44	11.67	11.94	12.22
EOM	11.27	11.12	11.31	11.46	11.96	12.02	12.15	11.21	11.41	11.72	12.00	12.26

WTR YR 1995 LOW 12.27 APR 17

HARRISON COUNTY

382323086044501. Local number, HR 8.
LOCATION.--Lat 38°23'23", long 86°04'45", in NW$^1/_4$NW$^1/_4$NE$^1/_4$ sec.33, T.1 S., R.4 E., Harrison County, Hydrologic Unit 05140104, on Harrison County right-of-way, 2.0 mi southeast of Palmyra.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Mississippian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 93 ft, cased to 54 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 827 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--November 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.56 ft below land-surface datum, June 7, 1990; lowest, 20.29 ft below land-surface datum, Dec. 17, 1992.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.51	19.66	17.27	10.71	5.20	4.84	8.93	9.55	2.86	2.49	9.28	11.87
10	18.81	19.53	13.80	10.16	6.26	2.68	9.80	6.26	4.49	4.18	8.00	12.49
15	19.04	19.50	11.80	6.84	5.10	4.17	10.58	4.06	5.06	5.96	8.43	13.09
20	19.22	19.44	9.79	4.56	3.79	5.19	11.18	1.62	5.93	7.47	9.46	13.61
25	19.34	19.45	9.54	5.64	5.05	6.61	10.58	1.76	4.90	7.65	10.40	14.10
EOM	19.52	18.48	10.07	4.59	5.49	7.91	10.64	2.88	5.47	8.71	11.22	14.57

WTR YR 1995 HIGH .91 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.57	19.68	17.90	10.76	5.47	6.07	9.07	9.59	3.12	5.78	9.77	12.00
10	18.86	19.68	15.25	10.28	6.48	2.96	10.00	7.35	4.68	4.62	8.25	12.62
15	19.10	19.53	11.92	7.68	7.66	4.39	10.68	4.19	5.28	6.28	8.63	13.20
20	19.24	19.45	9.95	4.82	3.89	5.37	11.25	2.32	6.10	7.71	9.68	13.71
25	19.37	19.48	9.60	5.91	5.15	6.84	10.61	4.01	5.73	7.71	10.56	14.19
EOM	19.54	18.55	10.15	4.64	5.64	8.11	10.76	3.23	5.73	8.91	11.34	14.65

WTR YR 1995 LOW 19.75 NOV 9

HENDRICKS COUNTY

394025086400801. Local number, HD 4.
LOCATION.--Lat 39°40'25", long 86°40'08", in NW$^1/_4$NW$^1/_4$NW$^1/_4$ sec.8, T.14 N., R.2 W., Hendricks County, Hydrologic Unit 05120203, at the intersection of State Highway 75 and County Road 600 South on county right-of-way, and 1.0 mi south of Coatesville.
Owner: U.S. Geological Survey.

AQUIFER.--Sandstone of Mississippian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 85 ft, cased to 70 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 860 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 1.92 ft above land-surface datum.

REMARKS.--Water level affected by pumpage.

PERIOD OF RECORD.--October 1966 to September 1971, November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.65 ft below land-surface datum, Jan. 30, 1976; lowest, 29.02 ft below land-surface datum, Nov. 30, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.43	25.80	24.49	23.47	21.85	21.66	21.00	21.25	21.59	21.81	23.42	24.50
10	25.59	25.56	24.28	23.55	21.72	21.13	21.16	21.50	22.06	22.14	23.45	24.56
15	25.57	25.36	24.08	23.00	21.94	20.87	21.38	21.35	22.47	22.57	23.46	24.71
20	25.64	25.29	23.51	22.23	21.95	21.08	21.24	20.66	22.69	22.88	23.59	24.86
25	25.79	25.38	23.25	22.02	21.90	21.25	21.01	20.75	22.23	22.93	23.89	25.10
EOM	25.93	24.96	23.30	22.06	21.89	20.86	20.98	21.20	22.01	23.25	24.15	25.35

WTR YR 1995 HIGH 20.64 MAY 21

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.48	25.98	24.60	23.53	21.91	21.76	21.07	21.38	21.68	21.90	23.54	24.55
10	25.66	25.68	24.37	23.62	21.79	21.27	21.23	21.59	22.10	22.64	23.58	24.61
15	25.68	25.47	24.18	23.13	22.01	20.91	21.45	21.46	22.55	22.65	23.53	24.75
20	25.71	25.40	23.64	22.41	22.02	21.14	21.39	20.75	22.83	23.01	23.63	24.96
25	25.85	25.44	23.38	22.07	21.97	21.29	21.10	20.86	22.31	23.01	24.01	25.17
EOM	26.10	25.09	23.38	22.12	21.95	20.96	21.15	21.31	22.10	23.31	24.21	25.49

WTR YR 1995 LOW 26.15 OCT 30

HUNTINGTON COUNTY

404858085284301. Local number, HU 2.
LOCATION.--Lat 40°48'58", long 85°28'43", in SW¼SW¼SE¼ sec. 2, T.27N., R.9E., Huntington County, Hydrologic Unit 05120101, on the property of Luther Fusselman, 3.0 mi south of Huntington and 0.5 mi west of State Highway 5.
AQUIFER.--Sand and gravel of the Pleistocene Epoch.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 148 ft, cased to 143 ft, screened to 148 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 819.70 ft above sea level. Measuring point: Top of casing, 3.30 ft above land-surface datum.

PERIOD OF RECORD.--August 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.46 ft below land-surface datum, Dec. 24, 1988; lowest, 73.78 ft below land-surface datum, Sept. 3, 1994.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.38	71.95	71.85	71.40	71.46	71.58	71.68	71.97	71.13	70.53	70.90	71.22
10	73.54	72.58	71.71	71.49	71.19	72.00	71.86	71.50	71.05	70.52	70.83	71.20
15	73.26	72.64	71.94	71.12	71.44	71.83	71.80	71.91	71.06	70.56	70.91	71.28
20	72.79	72.12	71.77	70.71	71.35	71.05	71.67	71.87	70.67	70.73	71.02	71.13
25	72.76	72.19	71.68	71.84	71.72	71.91	71.79	72.03	70.51	70.89	71.09	70.82
EOM	71.89	72.19	71.28	71.26	71.88	71.75	71.79	71.56	70.63	71.19	70.94	70.98

WTR YR 1995 HIGH 70.40 JUL 17

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.52	72.40	72.07	71.81	71.62	71.89	72.02	72.13	71.44	70.64	71.19	71.39
10	73.70	72.88	72.05	71.67	71.45	72.24	72.11	71.58	71.33	70.59	70.97	71.42
15	73.38	72.81	72.14	71.44	71.82	72.03	72.08	72.05	71.21	70.68	71.07	71.50
20	72.95	72.78	71.87	71.01	71.81	71.41	72.00	72.01	70.79	70.78	71.19	71.24
25	72.87	72.38	71.80	71.89	72.08	72.04	72.04	72.10	70.64	71.04	71.18	71.09
EOM	72.58	72.41	71.48	71.47	72.12	71.88	71.85	71.72	70.73	71.30	71.04	71.22

WTR YR 1995 LOW 73.77 OCT 11

JASPER COUNTY

410249087011201. Local number, JP 4.
LOCATION.--Lat 41°02'49", long 87°01'12", in SW¼NE¼SW¼ sec.17, T.30 N., R.5 W., Jasper County, Hydrologic Unit 07120002, on property of William Gehring, Inc., 0.9 mi east of Newland.
Owner: William Gehring, Inc.

AQUIFER.--Limestone of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in., depth 300 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 676.93 ft above sea level. Measuring point: Top of floor of shelter, 0.00 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--July 1956 to current year.

REVISED RECORDS.--WDR IN-94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.95 ft below land-surface datum, Apr. 9, 1962; lowest, 40.17 ft below land-surface datum, July 25, 1980.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	4.35	3.64	2.92	2.69	2.90	2.80	2.54	2.06	2.73	4.25	5.73
10	---	4.56	3.40	2.97	2.49	2.81	2.63	2.38	2.17	2.85	4.63	5.71
15	4.82	4.29	3.32	2.88	2.59	2.62	2.27	2.66	2.44	3.10	4.73	5.59
20	4.71	3.76	3.17	2.62	2.72	2.92	2.36	2.66	2.46	3.22	5.09	5.47
25	4.81	3.85	3.05	2.78	2.88	2.90	2.41	2.55	2.61	3.48	5.06	5.35
EOM	4.49	3.90	2.91	2.46	3.02	2.84	---	2.17	2.68	4.39	5.54	5.37

WTR YR 1995 HIGH 2.01 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	4.70	3.79	3.19	2.82	3.05	3.03	2.63	2.22	2.78	4.40	5.89
10	---	4.68	3.62	3.12	2.76	2.97	2.85	2.57	2.32	3.03	4.85	5.84
15	4.92	4.40	3.50	3.02	2.90	2.72	2.64	2.88	2.61	3.19	4.82	5.74
20	4.85	4.19	3.29	2.71	2.88	3.03	2.47	2.70	2.54	3.29	5.23	5.63
25	4.88	3.96	3.13	2.90	3.15	3.00	2.57	2.66	2.75	3.61	5.21	5.57
EOM	4.82	4.08	3.12	2.71	3.22	3.16	---	2.32	2.81	4.51	5.60	5.53

WTR YR 1995 LOW 5.89 SEP 5

JASPER COUNTY

410809087580801. Local number, JP 7.
LOCATION.--Lat 41°08'10", long 86°58'08", in SE$^1/_4$SE$^1/_4$NE$^1/_4$ sec.15, T.31 N., R.5 W., Jasper County, Hydrologic Unit 07120002, in northwest corner of intersection of County Roads 850 North and 400 East, 4.0 mi south of Tefft.
Owner: U.S. Geological Survey.

AQUIFER.--Dolomite of Middle Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 130 ft, cased to 94 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 699.38 ft above sea level. Measuring point: Top of floor of shelter, 2.75 ft above land-surface datum.

REMARKS.--Water level affected by pumpage.

PERIOD OF RECORD.--May 1967 to current year. (Semi-annual tape-down readings only September 1971 to May 1978.)

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.04 ft below land-surface datum, Apr. 5, 1985; lowest, 18.15 ft below land-surface datum, Aug. 30, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.66	7.96	7.79	7.65	7.60	7.49	7.44	7.37	7.05	7.55	12.30	12.30
10	8.78	8.26	7.67	7.69	7.29	7.62	7.44	7.02	7.16	7.64	11.15	12.49
15	8.66	8.17	7.80	7.55	7.37	7.47	7.25	7.29	7.41	9.59	11.99	11.75
20	8.47	7.69	7.74	7.34	7.45	7.06	7.06	7.26	7.35	11.25	13.01	11.19
25	8.54	7.90	7.72	7.73	7.56	7.64	7.24	7.27	7.36	12.27	13.47	10.71
EOM	8.18	7.98	7.61	7.34	7.69	7.50	7.30	7.16	7.47	12.69	13.05	10.45

WTR YR 1995 HIGH 6.93 APR 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.90	8.39	7.98	7.99	7.75	7.69	7.70	7.48	7.27	7.62	12.70	12.47
10	8.87	8.41	7.92	7.87	7.61	7.76	7.56	7.21	7.34	7.85	11.39	12.69
15	8.79	8.28	7.99	7.73	7.73	7.68	7.48	7.53	7.59	10.01	12.22	12.01
20	8.63	8.21	7.87	7.47	7.67	7.27	7.38	7.31	7.43	11.57	13.17	11.32
25	8.64	8.04	7.80	7.86	7.91	7.74	7.43	7.42	7.53	12.48	13.65	11.01
EOM	8.57	8.21	7.85	7.66	7.91	7.64	7.46	7.34	7.62	12.86	13.25	10.68

WTR YR 1995 LOW 13.92 AUG 28

JASPER COUNTY

410535087035801. Local number, JP 8.
LOCATION.--Lat 41°05'35", long 87°03'58", in NE$^1/_4$NE$^1/_4$SE$^1/_4$ sec.35, T.31 N., R.6 W., Jasper County, Hydrologic Unit 07120002, 1.7 mi north of Gifford.
Owner: William Gehring, Inc.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 12 in., depth 310 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 686 ft above sea level, from topographic map. Measuring point: Lower lip of 2 in. tapedown pipe, 2.10 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--May 1978 to current year. Record prior to October 1, 1978 available in District files.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.51 ft below land-surface datum, Oct. 20, 1993; lowest, 25.11 ft below land-surface datum, July 26, 1980.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.40	---	11.54	11.13	10.80	11.08	10.79	10.22	9.74	10.49	12.56	13.09
10	12.39	---	11.29	11.12	10.79	10.87	10.54	10.19	9.86	10.77	12.29	13.27
15	12.12	---	11.27	10.93	10.90	10.76	10.16	10.27	10.09	11.45	12.21	13.07
20	---	11.65	11.15	10.77	10.98	10.59	10.00	10.19	10.25	12.05	12.76	12.91
25	---	11.68	11.12	10.83	11.09	10.75	10.07	9.75	10.37	12.72	13.09	12.77
EOM	---	11.59	11.08	10.73	11.07	10.73	10.15	9.61	10.38	12.70	13.15	12.70

WTR YR 1995 HIGH 9.49 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.46	---	11.59	11.19	10.85	11.16	10.85	10.29	9.76	10.51	12.64	13.15
10	12.44	---	11.37	11.19	10.89	10.95	10.71	10.25	9.91	10.91	12.36	13.32
15	12.34	---	11.32	10.97	11.01	10.83	10.22	10.33	10.17	11.58	12.28	13.13
20	---	11.81	11.19	10.79	11.05	10.68	10.12	10.20	10.33	12.19	12.83	12.95
25	---	11.71	11.14	10.88	11.16	10.80	10.12	9.90	10.42	12.77	13.19	12.87
EOM	---	11.67	11.15	10.82	11.14	10.77	10.20	9.66	10.43	12.78	13.18	12.74

WTR YR 1995 LOW 13.33 SEP 8

JASPER COUNTY

410713087063201. Local number, JP 9.
LOCATION.--Lat 41°07'13", long 87°06'32", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ sec.21, T.31 N., R.6 W., Jasper County, Hydrologic Unit 07120002, 4.4 mi northwest of Gifford.
Owner: William Gehring, Inc.

AQUIFER.--Silurian limestone.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 18 in., depth 260 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 685 ft above sea level, from topographic map. Measuring point: Lower lip of 2 in. tapedown pipe, 2.10 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--July 1978 to current year. Record prior to October 1, 1978 available in District files.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.03 ft below land-surface datum, Mar. 27, 1991; lowest, 32.05 ft below land-surface datum, Aug. 5, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.90	7.20	6.45	6.12	5.80	6.00	5.83	5.17	4.61	6.50	12.80	16.54
10	7.81	7.07	6.27	6.13	5.76	5.99	5.68	5.04	4.72	15.77	9.88	10.69
15	7.76	6.83	6.25	5.94	5.91	5.87	5.39	5.07	4.98	20.66	---	8.26
20	7.59	6.55	6.13	5.76	5.98	5.61	5.08	5.04	5.09	22.92	17.25	---
25	7.61	6.60	6.09	5.92	6.10	5.84	5.13	4.91	7.95	17.14	20.11	---
EOM	7.39	6.52	6.06	5.76	6.08	5.83	5.18	4.65	6.98	19.79	12.27	---

WTR YR 1995 HIGH 4.54 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.96	7.34	6.48	6.19	5.87	6.14	5.91	5.20	4.69	6.87	13.89	18.24
10	7.87	7.12	6.34	6.16	5.86	6.05	5.74	5.09	4.75	17.51	10.22	11.38
15	7.77	6.85	6.29	5.98	6.03	5.91	5.42	5.15	5.06	21.48	---	8.53
20	7.63	6.74	6.14	5.77	6.07	5.75	5.19	5.06	5.13	23.60	20.19	---
25	7.66	6.60	6.09	5.94	6.17	5.91	5.15	4.94	8.53	19.49	21.50	---
EOM	7.65	6.60	6.10	5.87	6.14	5.84	5.20	4.68	7.22	21.12	12.77	---

WTR YR 1995 LOW 24.52 JUL 23

JASPER COUNTY

410322087163101. Local number, JP 11.
LOCATION.--Lat 41°03'22", long 87°16'31", in NW$^1/_4$NW$^1/_4$NW$^1/_4$ sec.18, T.30 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on Prudential Life Insurance Company of America property, 3.2 mi north of State Highway 14, and 1.5 mi southwest of Fair Oaks.
Owner: Prudential Insurance Company of America.

AQUIFER.--Limestone of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in., depth 630 ft, cased to 63 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 697.50 ft above sea level. Measuring point: Top of floor of shelter, 3.50 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--March 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.04 ft above land-surface datum, Apr. 3, 1982; lowest, 52.19 ft below land-surface datum, July 9, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.89	7.12	5.38	4.31	3.66	3.46	2.99	3.48	---	---	26.98	22.30
10	10.13	6.91	4.98	4.26	3.49	3.33	2.78	---	---	---	17.51	16.86
15	9.43	6.47	4.89	4.04	3.52	3.15	2.46	---	---	40.74	---	14.12
20	8.79	5.88	4.67	3.75	3.52	2.87	2.22	---	---	35.49	24.11	12.50
25	8.42	5.85	4.54	3.87	3.57	3.18	2.64	---	5.86	25.17	28.94	11.24
EOM	7.67	5.66	4.38	3.60	3.60	3.07	3.57	---	---	39.81	35.88	10.33

WTR YR 1995 HIGH 2.22 APR 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.15	7.41	5.44	4.50	3.73	3.57	3.15	3.56	---	---	31.59	24.61
10	10.23	6.97	5.14	4.36	3.62	3.44	2.93	---	---	---	19.53	17.54
15	9.53	6.53	4.98	4.09	3.67	3.23	2.57	---	---	42.64	---	14.61
20	8.88	6.22	4.72	3.77	3.64	2.97	2.40	---	---	37.69	26.20	12.85
25	8.45	5.88	4.57	3.92	3.73	3.24	2.72	---	7.40	28.47	32.15	11.52
EOM	7.99	5.73	4.49	3.74	3.70	3.13	3.73	---	---	41.46	37.29	10.84

WTR YR 1995 LOW 42.88 AUG 3

JASPER COUNTY

410145087130401. Local number, JP 12.
LOCATION.--Lat 41°01'45", long 87°13'04", in NW1/4SW1/4SW1/4 sec.22, T.30 N., R.7 W., Jasper County, Hydrologic Unit 07120002, in Old Union Township school yard, 200 ft east of County Road 900 West, 750 ft north of State Highway 14, and in Parr.
Owner: Prudential Insurance Company of America.

AQUIFER.--Limestone/dolomite of Silurian/Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 5 in., depth 150 ft, cased to 103 ft, open end.

INSTRUMENTATION.--Water-level recorder, data-collection platform, and incremental encoder.

DATUM.--Elevation of land-surface datum is 692.9 ft above sea level. Measuring point: Top of well casing, 2.6 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--May 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.08 ft below land-surface datum, May 22, 1983; lowest, 53.41 ft below land-surface datum, Aug. 18, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.45	22.99	20.19	18.90	18.24	17.49	17.19	18.93	16.13	17.81	---	---
10	26.35	22.27	19.67	18.78	17.79	17.91	17.16	17.62	16.01	21.71	---	---
15	25.48	21.72	19.55	18.44	17.82	17.57	17.14	17.19	16.19	---	---	31.22
20	24.58	21.17	19.25	18.33	17.75	17.27	16.82	16.71	16.14	---	---	29.27
25	---	21.08	19.17	18.38	17.71	17.34	17.16	16.53	16.32	---	---	27.65
EOM	23.47	20.58	19.01	18.07	17.60	17.20	19.75	16.29	17.38	---	---	26.39

WTR YR 1995 HIGH 15.97 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.83	23.23	20.59	19.43	18.54	17.73	17.68	19.28	16.58	18.41	---	---
10	26.77	22.42	20.48	19.02	18.41	18.09	17.85	18.01	16.45	22.88	---	---
15	25.78	22.09	19.86	18.63	18.42	18.04	17.53	17.54	16.54	---	---	31.82
20	24.63	21.61	19.51	18.75	18.06	17.57	17.24	17.02	16.74	---	---	29.58
25	---	21.19	19.43	18.78	18.28	17.77	17.39	16.78	16.60	---	---	28.01
EOM	23.90	21.07	19.51	18.47	17.87	17.46	20.78	16.68	17.67	---	---	27.12

WTR YR 1995 LOW 31.82 SEP 15

JASPER COUNTY

405902087141501. Local number, JP 13.
LOCATION.--Lat 40°59'02", long 87°14'15", in NW1/4NW1/4NW1/4 sec.9, T.29 N., R.7 W., Jasper County, Hydrologic Unit 07120002, at southwest corner of North Newton school, and 4.6 mi northwest of Rensselaer.
Owner: Prudential Insurance Company of America.

AQUIFER.--Dolomite of Silurian/Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 5 in., depth 150 ft, cased to 106 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 700 ft above sea level, from topographic map. Measuring point: Top of well casing, 3.4 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--March 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.98 ft below land-surface datum, Apr. 3, 1982; lowest, 55.85 ft below land-surface datum, Aug. 19, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.05	31.58	28.86	27.02	26.15	25.56	25.07	25.53	24.16	25.40	45.12	---
10	35.90	31.42	28.73	---	25.81	25.59	24.98	25.11	24.07	28.01	42.52	---
15	34.90	30.79	28.13	26.77	25.75	25.45	24.82	25.06	24.20	33.47	40.39	---
20	---	30.01	28.05	26.46	25.74	25.09	24.57	24.81	24.10	36.81	41.95	---
25	---	29.50	27.77	26.56	25.72	25.38	24.82	24.63	24.24	41.00	44.53	37.53
EOM	---	29.32	27.48	26.11	25.77	25.20	25.11	24.37	24.89	43.23	---	36.29

WTR YR 1995 HIGH 24.02 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.45	31.95	29.11	27.14	26.25	25.72	25.26	25.60	24.35	25.45	45.51	---
10	36.08	31.50	28.83	---	26.01	25.72	25.07	25.22	24.15	28.84	43.05	---
15	35.01	30.92	28.35	26.88	25.96	25.59	24.98	25.23	24.28	34.72	40.50	---
20	---	30.32	28.14	26.53	25.87	25.25	24.81	24.84	24.11	37.67	42.59	---
25	---	29.92	27.87	26.65	25.95	25.46	24.95	24.71	24.32	41.13	45.26	37.93
EOM	---	29.52	27.57	26.35	25.89	25.29	25.29	24.46	25.09	44.05	---	36.57

WTR YR 1995 LOW 47.56 AUG 29

JASPER COUNTY

410839087130301. Local number, JP 14.
LOCATION.--Lat 41°08'39", long 87°13'03", in NW¼NW¼NW¼ sec.15, T.31 N., R.7 W., Jasper County, Hydrologic Unit 07120001, at the southeast corner of the intersection of State Highway 10 and County Road 900 West, about 3.5 mi southwest of Demotte.
Owner: U.S. Geological Survey

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 97.4 ft, cased to 56 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 690 ft above sea level, from topographic map. Measuring point: Top of casing, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--July 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.06 ft below land-surface datum, Oct. 17, 1993; lowest, 8.80 ft below land-surface datum, July 13, 1989.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.15	6.13	6.51	6.52	6.51	6.55	6.62	6.13	4.96	5.98	6.12	7.30
10	7.27	5.92	5.92	6.63	6.43	6.17	5.27	6.10	5.54	6.23	6.24	7.31
15	7.25	6.19	6.27	6.15	6.47	6.31	5.53	5.61	5.78	6.74	6.48	7.35
20	7.27	6.11	6.30	5.98	6.62	6.34	5.59	5.71	5.69	7.02	6.78	7.36
25	7.32	6.41	6.42	6.30	6.72	6.65	5.83	4.35	5.84	7.11	6.99	7.39
EOM	7.09	6.52	6.51	6.35	6.77	6.61	6.01	5.31	5.80	7.17	7.18	7.46

WTR YR 1995 HIGH 4.35 MAY 24

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.19	6.66	6.61	6.67	6.55	6.64	6.77	6.18	5.09	6.03	6.24	7.32
10	7.29	6.00	6.05	6.70	6.62	6.21	6.28	6.13	5.63	6.32	6.27	7.36
15	7.28	6.23	6.32	6.19	6.70	6.35	5.60	5.68	5.83	6.81	6.53	7.39
20	7.30	6.30	6.37	6.06	6.72	6.49	5.72	5.79	5.74	7.07	6.84	7.46
25	7.36	6.49	6.46	6.33	6.84	6.70	5.92	4.57	5.89	7.13	7.03	7.43
EOM	7.34	6.55	6.54	6.39	6.80	6.63	6.06	5.40	5.86	7.20	7.24	7.50

WTR YR 1995 LOW 7.53 SEP 28

JEFFERSON COUNTY

384949085251901. Local number, JF 5.
LOCATION.--Lat 38°49'49", long 85°25'19", in SE¼NW¼SW¼ sec.33, T.5 N., R.10 E., Jefferson County, Hydrologic Unit 05120207, on Jefferson Proving Ground, 500 ft north of Airfield Road, 1,000 ft southwest of the water tower, and 2.2 mi west of main gate.
Owner: U.S. Army

AQUIFER.--Limestone, dolomite, and shale of Silurian and Ordovician age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 5 in., depth 200 ft, cased to 33 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 855 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

REMARKS.--This well was drilled on a mapped fracture trace.

PERIOD OF RECORD.--March 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.97 ft below land-surface datum, Jan. 21, 1991; lowest, 9.22 below land-surface datum, Sept. 7, 16, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.09	7.78	6.46	5.38	4.66	4.61	5.03	4.86	4.64	6.00	6.25	6.41
10	8.24	7.73	6.09	5.28	4.49	4.70	5.06	4.67	4.90	5.89	6.04	6.60
15	8.24	7.54	6.00	5.04	4.60	4.54	4.94	4.81	5.17	6.07	5.89	6.79
20	8.16	7.04	5.70	4.77	4.56	4.46	4.88	4.78	5.36	6.27	5.88	6.84
25	8.13	6.99	5.54	4.91	4.68	4.92	4.85	4.81	5.56	6.31	5.94	6.94
EOM	7.79	6.83	5.36	4.57	4.75	4.90	4.77	4.71	5.78	6.38	6.13	7.15

WTR YR 1995 HIGH 4.46 MAR 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.23	8.09	6.51	5.64	4.76	4.72	5.14	4.94	4.78	6.03	6.46	6.55
10	8.34	7.89	6.35	5.43	4.74	4.84	5.13	4.75	5.04	6.03	6.20	6.69
15	8.32	7.61	6.10	5.20	4.87	4.67	5.10	5.00	5.36	6.16	5.96	6.87
20	8.22	7.32	5.84	4.90	4.74	4.55	5.03	4.80	5.44	6.31	5.95	6.95
25	8.19	7.00	5.59	5.06	4.84	5.01	4.97	4.85	5.63	6.41	6.05	7.04
EOM	8.06	6.98	5.56	4.83	4.94	5.05	4.86	4.81	5.85	6.44	6.19	7.24

WTR YR 1995 LOW 8.37 OCT 11

JENNINGS COUNTY

385601085365701. Local number, JN 3.
LOCATION.--Lat 38°56'01", long 85°36'57", in SE$^1/_4$SW$^1/_4$NE$^1/_4$ sec.27, T.6 N., R.8 E., Jennings County, Hydrologic Unit 05120207, 200 ft west of State Highway 3, 1.6 mi south of Crosley Fish and Game Office and 3.0 mi south of Vernon.
Owner: U.S. Geological Survey.

AQUIFER.--Limestones and dolomites of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 180 ft, cased to 45 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 718 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 36.64 ft below land-surface datum, Jan. 21, 1979; lowest, 40.87 ft below land-surface datum, July 6, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.92	39.63	39.07	39.14	38.72	38.66	39.09	38.58	38.48	39.02	39.14	39.52
10	39.99	39.51	38.77	39.05	38.69	38.67	38.85	38.30	38.56	38.97	38.51	39.52
15	39.94	39.42	38.97	38.78	38.79	38.65	38.73	38.44	38.68	39.28	38.77	39.63
20	39.84	39.06	38.91	38.62	38.53	38.56	38.61	38.33	38.84	39.18	38.91	39.49
25	39.87	39.22	38.95	38.98	38.79	39.08	38.45	38.60	38.75	39.10	39.08	39.49
EOM	39.56	39.25	39.00	38.66	38.78	39.05	38.55	38.51	38.91	39.32	39.28	39.56

WTR YR 1995 HIGH 38.17 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.99	39.85	39.10	39.31	38.84	38.83	39.21	38.65	38.58	39.09	39.40	39.58
10	40.07	39.59	39.03	39.18	38.82	38.77	38.92	38.42	38.65	39.08	38.55	39.62
15	40.00	39.47	39.01	38.85	38.98	38.71	38.79	38.52	38.80	39.33	38.82	39.68
20	39.86	39.32	38.94	38.72	38.66	38.63	38.78	38.35	38.89	39.21	38.94	39.57
25	39.92	39.27	39.01	39.04	38.95	39.14	38.54	38.63	38.79	39.15	39.12	39.59
EOM	39.83	39.37	39.07	38.78	38.89	39.10	38.64	38.54	38.93	39.35	39.31	39.64

WTR YR 1995 LOW 40.08 OCT 11

KNOX COUNTY

383247087361001. Local number, KN 7.
LOCATION.--Lat 38°32'47", long 87°36'10", in SE$^1/_4$SE$^1/_4$NW$^1/_4$ sec.2, T.1 N., R.11 W., Knox County, Hydrologic Unit 05120113, in the right-of-way of Sixth Street Road, 9.8 mi south of Vincennes.
Owner: Michael J. Kelley.

AQUIFER.--Sand and gravel Quaternary age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 43 ft, cased to 16 ft, slotted to 19 ft, open end.

INSTRUMENTATION.--Water-level recorder. Prior to April 1968, hand-taped monthly.

DATUM.--Elevation of land-surface datum is 405 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.42 ft above land-surface datum.

PERIOD OF RECORD.--November 1956 to December 1972, January 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.57 ft below land-surface datum, May 3, 1983; lowest, 11.35 ft below land-surface datum, Feb. 1-13, 1977.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.77	10.71	10.24	9.98	9.00	9.27	9.05	8.44	6.18	8.16	9.61	10.06
10	10.79	10.53	10.07	10.00	9.22	7.16	9.24	8.73	7.57	8.69	9.07	10.15
15	10.80	10.46	9.91	9.39	9.35	7.72	9.28	8.74	8.23	9.10	9.32	10.22
20	10.82	10.43	9.76	8.53	9.25	8.10	9.02	3.53	8.60	9.36	9.61	10.28
25	10.84	10.43	9.82	8.88	9.39	8.80	8.08	4.31	8.90	9.50	9.78	10.34
EOM	10.84	10.29	9.91	8.65	9.35	8.72	8.55	5.43	8.28	9.64	9.95	10.39

WTR YR 1995 HIGH 3.52 MAY 19

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.78	10.81	10.25	10.01	9.08	9.33	9.08	8.54	6.40	8.64	9.75	10.09
10	10.79	10.60	10.19	10.04	9.29	7.29	9.27	8.80	7.73	8.80	9.45	10.17
15	10.81	10.47	9.91	9.42	9.42	7.81	9.33	8.78	8.32	9.16	9.40	10.23
20	10.82	10.44	9.77	8.58	9.29	8.26	9.15	3.60	8.68	9.40	9.65	10.29
25	10.84	10.43	9.84	8.92	9.45	8.85	8.13	4.58	8.95	9.53	9.81	10.35
EOM	10.85	10.31	9.92	8.71	9.39	8.80	8.66	5.73	8.47	9.66	9.97	10.40

WTR YR 1995 LOW 10.87 NOV 3

KNOX COUNTY

384951087202501. Local number, KN 8.
LOCATION.--Lat 38°49'51", long 87°20'25", in M.D. 240, T.5 N., R.8 W., Knox County, Hydrologic Unit 05120111, on the northwest side of road at the southwest boundary of Chambers Cemetery about 2.5 mi southwest of Freelandville.
Owner: U.S. Geological Survey

AQUIFER.--Interbedded sandstone, shale, and coal of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 137 ft, cased to 41 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 460 ft above sea level, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.86 ft below land-surface datum, Jan. 28, 1994; lowest, 15.32 ft below land-surface datum, Oct. 19, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.79	14.78	14.29	13.88	13.05	12.83	12.81	12.69	12.34	12.58	13.03	13.68
10	14.83	14.75	14.20	13.78	12.91	12.73	12.79	12.61	12.48	12.65	12.96	13.77
15	14.86	14.68	14.14	13.51	12.92	12.69	12.84	12.68	12.57	12.78	13.02	13.90
20	14.83	14.49	13.97	13.29	12.86	12.60	12.76	12.37	12.58	12.86	13.16	13.95
25	14.91	14.57	13.93	13.42	12.91	12.80	12.71	12.49	12.56	12.81	13.32	14.02
EOM	14.86	14.43	13.84	13.07	12.90	12.80	12.69	12.41	12.52	13.01	13.49	14.10

WTR YR 1995 HIGH 12.30 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.83	14.94	14.32	13.97	13.09	12.92	12.87	12.74	12.38	12.59	13.11	13.74
10	14.88	14.79	14.30	13.84	13.00	12.77	12.84	12.65	12.51	12.71	13.01	13.82
15	14.89	14.70	14.17	13.54	13.03	12.73	12.89	12.75	12.63	12.82	13.06	13.94
20	14.86	14.64	14.00	13.35	12.92	12.64	12.87	12.40	12.61	12.87	13.20	13.99
25	14.95	14.58	13.94	13.46	13.02	12.82	12.74	12.52	12.62	12.85	13.36	14.06
EOM	14.98	14.47	13.91	13.16	12.96	12.82	12.73	12.44	12.55	13.04	13.51	14.14

WTR YR 1995 LOW 15.01 NOV 4

KOSCIUSKO COUNTY

412556085513401. Local number, KO 9.
LOCATION.--Lat 41°25'56", long 85°51'34", in SW1/4NE1/4NW1/4 sec.5, T.34 N., R.6 E., Kosciusko County, Hydrologic Unit 04050001, on the north edge of property owned by the Dome Pipeline Corporation, on County Road 50 West, 1.5 mi northwest of Milford.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 4 in., depth 102 ft, cased to 99 ft, screened to 102 ft.

INSTRUMENTATION.--Water-stage recorder.

DATUM.--Elevation of land-surface datum is 830.90 ft above sea level. Measuring point: Top of floor of shelter, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.24 ft below land-surface datum, Apr. 8, 9, 1985; lowest, 14.33 ft below land-surface datum, Aug. 10, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	13.84	13.92	13.17	12.60	12.66	12.16	11.50	11.25	11.85	12.87	13.30
10	---	13.87	13.77	13.16	12.56	12.53	12.17	11.52	11.30	11.88	12.87	13.34
15	13.67	13.89	13.56	13.13	12.56	12.44	11.96	11.58	11.40	12.32	12.92	13.38
20	13.72	13.91	13.39	13.08	12.58	12.34	11.67	11.67	11.57	12.36	13.05	13.45
25	13.76	13.93	13.29	12.97	12.63	12.28	11.56	11.65	11.95	12.37	13.06	13.49
EOM	13.81	13.94	13.21	12.71	12.66	12.19	11.51	11.37	11.93	12.72	13.21	13.53

WTR YR 1995 HIGH 11.23 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	13.85	13.92	13.18	12.61	12.69	12.17	11.51	11.27	11.85	12.87	13.31
10	---	13.88	13.81	13.16	12.57	12.55	12.20	11.52	11.31	12.00	12.88	13.35
15	13.68	13.89	13.60	13.14	12.58	12.46	12.02	11.61	11.43	12.36	12.95	13.39
20	13.73	13.91	13.42	13.10	12.60	12.37	11.73	11.69	11.65	12.36	13.05	13.46
25	13.77	13.93	13.30	13.01	12.64	12.30	11.58	11.72	11.98	12.38	13.07	13.50
EOM	13.82	13.94	13.22	12.75	12.67	12.20	11.52	11.40	11.96	12.79	13.22	13.54

WTR YR 1995 LOW 13.94 NOV 26

LAGRANGE COUNTY

414318085200601. Local number, LG 2.
LOCATION.--Lat 41°43'18", long 85°20'06", in SW$^1/_4$SE$^1/_4$NE$^1/_4$ sec.26, T.38 N., R.10 E., Lagrange County, Hydrologic Unit 04050001, on northeast corner of intersection of State Highway 120 and County Road 475 East, and 1.2 mi west of Brighton.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 5 in., depth 86 ft, cased to 80 ft, screened to 86 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 911.02 ft above sea level. Measuring point: Top of floor of shelter, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.00 ft below land-surface datum, July 1, 2, 1993; lowest, 16.93 ft below land-surface datum, Aug. 14, 15, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	15.88	16.07	15.78	15.63	15.48	15.20	15.05	14.96	15.28	16.12	16.13
10	15.71	15.91	16.07	15.78	15.57	15.30	15.18	15.02	14.96	15.42	16.05	16.10
15	15.75	15.95	15.97	15.77	15.55	15.28	15.18	15.00	15.00	15.78	16.22	16.11
20	15.78	15.99	15.89	15.76	15.52	15.24	15.15	14.99	15.20	15.94	16.10	16.11
25	15.82	16.02	15.84	15.76	15.50	15.24	15.12	14.98	15.39	16.13	16.07	16.13
EOM	15.86	16.04	15.80	15.70	15.49	15.21	15.08	14.97	15.31	16.22	16.16	16.16

WTR YR 1995 HIGH 14.94 JUN 12

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	15.89	16.08	15.79	15.65	15.49	15.21	15.05	14.96	15.30	16.15	16.15
10	15.72	15.92	16.08	15.78	15.59	15.31	15.19	15.02	14.98	15.51	16.06	16.11
15	15.76	15.96	16.00	15.77	15.56	15.28	15.18	15.01	15.03	15.81	16.25	16.11
20	15.79	15.99	15.90	15.76	15.53	15.26	15.17	14.99	15.24	15.96	16.11	16.12
25	15.83	16.02	15.85	15.76	15.51	15.24	15.12	14.98	15.40	16.20	16.09	16.14
EOM	15.86	16.05	15.81	15.71	15.49	15.22	15.09	14.98	15.32	16.29	16.19	16.16

WTR YR 1995 LOW 16.33 AUG 1

LAGRANGE COUNTY

414158085253401. Local number, LG 3.
LOCATION.--Lat 41°41'58", long 85°25'34", in SE$^1/_4$SE$^1/_4$SE$^1/_4$ sec.36, T.38 N., R.9 E., Lagrange County, Hydrologic Unit 04050001, at northwest corner of intersection of State Highway 9 and County Road 400 North, at edge of woods, and 1.4 mi south of Howe.
Owner: U.S. Geological Survey.

AQUIFER.--Fine to medium sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 40 ft, cased to 35 ft, screened to 40 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 870 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.7 ft above land-surface datum.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.48 ft below land-surface datum, Mar. 21, 1982; lowest, 8.82 ft below land-surface datum, Sept. 2, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.68	8.70	8.37	7.86	7.31	7.52	7.24	6.95	6.81	7.34	7.70	7.86
10	8.70	8.60	8.08	7.91	7.36	7.17	7.03	7.00	6.90	7.36	7.79	7.93
15	8.72	8.57	7.91	7.83	7.45	7.01	6.77	7.05	7.02	7.51	7.82	7.99
20	8.74	8.60	7.85	7.71	7.51	6.97	6.70	7.09	7.13	7.60	7.56	8.05
25	8.75	8.62	7.83	7.41	7.55	7.06	6.76	6.94	7.28	7.72	7.61	8.10
EOM	8.76	8.43	7.84	7.29	7.55	7.15	6.87	6.77	7.27	7.85	7.76	8.15

WTR YR 1995 HIGH 6.69 APR 21

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.68	8.74	8.37	7.87	7.32	7.54	7.25	6.97	6.81	7.34	7.71	7.88
10	8.70	8.62	8.14	7.92	7.38	7.23	7.11	7.01	6.93	7.38	7.81	7.94
15	8.73	8.58	7.93	7.86	7.48	7.04	6.81	7.06	7.05	7.53	7.91	8.00
20	8.74	8.60	7.86	7.75	7.53	6.98	6.72	7.10	7.15	7.62	7.56	8.06
25	8.76	8.63	7.83	7.46	7.56	7.08	6.78	7.01	7.30	7.74	7.63	8.10
EOM	8.78	8.45	7.84	7.30	7.56	7.17	6.89	6.77	7.28	7.87	7.78	8.16

WTR YR 1995 LOW 8.78 OCT 31

LAKE COUNTY

411038087284701. Local number, LK 12.
LOCATION.--Lat 41°10'38", long 87°28'47", in SW¹/₄NE¹/₄SW¹/₄ sec.32, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, on the northern edge of Kankakee River State Park, 2.0 mi southwest of Schneider.
Owner: U.S. Geological Survey.

AQUIFER.--Dolomite of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 82 ft, cased to 52 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 630.59 ft above sea level. Measuring point: Top of floor of shelter, 2.55 ft above land-surface datum.

REMARKS.--Water level may be affected by pumping.

PERIOD OF RECORD.--March 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.15 ft below land-surface datum, Jan. 12, 1973; lowest, 17.92 ft below land-surface datum, Aug. 27, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.99	5.59	4.52	3.87	3.37	3.30	3.27	2.85	2.58	3.55	8.53	7.13
10	6.81	5.32	4.03	3.76	3.32	3.06	2.99	2.85	2.73	3.67	7.79	---
15	6.62	5.12	3.99	3.50	3.22	3.01	2.53	2.78	2.94	4.58	7.86	---
20	6.45	4.93	3.92	3.28	3.41	3.08	2.45	2.76	3.30	6.15	7.78	---
25	6.32	4.88	3.90	3.33	3.46	3.25	2.61	2.46	3.50	7.65	7.40	---
EOM	5.97	4.64	3.87	3.31	3.40	3.24	2.74	2.33	3.52	8.77	7.13	---

WTR YR 1995 HIGH 2.27 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.09	5.78	4.70	3.89	3.55	3.47	3.35	2.92	2.68	3.60	8.91	7.20
10	6.97	5.45	4.14	3.90	3.42	3.15	3.24	3.06	2.92	3.86	7.90	---
15	6.75	5.27	4.17	3.59	3.45	3.21	2.60	2.94	3.03	4.93	8.13	---
20	6.65	5.08	3.97	3.45	3.50	3.13	2.67	2.80	3.52	6.42	7.92	---
25	6.42	5.06	4.08	3.41	3.61	3.43	2.70	2.70	3.61	7.82	7.63	---
EOM	6.20	4.72	4.03	3.41	3.46	3.40	2.97	2.49	3.69	9.07	7.29	---

WTR YR 1995 LOW 9.54 AUG 3

LAKE COUNTY

413559087270301. Local number, LK 13.
LOCATION.--Lat 41°35'59", long 87°27'03", in SW¹/₄NW¹/₄SW¹/₄ sec.3, T.36 N., R.9 W., Lake County, Hydrologic Unit 04040001, at the Gibson Woods Nature Preserve on the north side of Hammond.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6.0 in., depth 23 ft, cased to 18 ft, screened to 23 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 591.91 ft above sea level. Measuring point: Top of casing, 3.33 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.00 ft below land-surface datum, June 30, July 2, 1993; lowest, 5.15 ft below land-surface datum, Sept. 10, 1986.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.58	2.39	2.09	2.40	1.17	1.00	1.20	.82	1.01	2.01	2.81	4.37
10	4.34	2.37	1.32	2.32	1.49	.87	.32	.33	.76	2.70	3.24	4.48
15	4.42	2.53	1.64	.78	1.87	.96	.64	.73	1.24	3.26	3.82	4.57
20	4.45	2.49	1.53	.57	1.58	.56	.57	.91	2.02	3.51	3.54	4.61
25	4.44	2.48	1.74	.91	1.46	1.12	.67	.58	2.60	3.53	4.01	4.67
EOM	3.53	2.21	1.77	.99	.94	1.07	.61	.79	1.33	3.64	4.22	4.86

WTR YR 1995 HIGH .25 APR 11

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.68	2.97	2.24	2.47	1.28	1.21	1.28	.87	1.15	2.34	3.01	4.58
10	4.41	2.57	1.40	2.40	1.60	.92	.82	.63	.92	3.06	3.50	4.60
15	4.47	2.57	1.67	.91	2.00	.98	.67	.77	1.47	3.58	3.98	4.72
20	4.47	2.67	1.59	.71	1.69	1.07	.68	1.01	2.35	3.57	3.75	4.68
25	4.45	2.54	1.79	.96	1.54	1.14	.83	.68	2.88	3.79	4.20	4.80
EOM	4.42	2.27	1.98	1.15	1.02	1.10	.67	.93	1.55	3.90	4.38	4.95

WTR YR 1995 LOW 4.95 SEP 30

LAKE COUNTY

411146087204101. Local number, LK 14.
LOCATION.--Lat 41°11'46", long 87°20'41", in SE¼SE¼NW¼ sec.28, T.32 N., R.8 W., Lake County, Hydrologic Unit 07120001, in Shelby on northwest corner of the intersection of Tyler Road and State Highway 55.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 96.2 ft, cased to 50 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 641 ft above sea level, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.77 ft below land-surface datum, Dec. 5, 1993; lowest, 22.86 ft below land-surface datum, July 28, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.11	9.13	8.64	8.03	7.45	7.94	7.68	6.87	6.46	7.96	12.24	10.43
10	9.13	9.12	8.34	8.11	7.50	7.80	7.55	6.91	6.58	9.71	9.81	9.67
15	9.21	9.02	8.11	8.01	7.64	7.61	7.01	6.98	6.82	11.53	8.92	9.40
20	9.25	8.86	7.96	7.65	7.79	7.46	6.69	7.02	7.85	13.52	11.08	9.29
25	9.33	8.84	7.92	7.49	7.94	7.59	6.67	6.86	8.42	12.62	12.89	9.26
EOM	9.22	8.75	7.94	7.37	7.95	7.61	6.74	6.47	8.40	14.03	12.50	9.29

WTR YR 1995 HIGH 6.42 JUN 2

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.14	9.24	8.67	8.07	7.49	7.98	7.70	6.91	6.48	8.01	13.09	10.69
10	9.17	9.15	8.42	8.12	7.55	7.87	7.66	6.97	6.61	10.23	10.11	9.75
15	9.24	9.05	8.17	8.04	7.71	7.67	7.11	7.02	6.92	12.38	9.03	9.45
20	9.29	8.97	7.98	7.68	7.82	7.51	6.78	7.04	8.00	13.83	11.43	9.31
25	9.36	8.85	7.93	7.53	7.97	7.62	6.71	6.93	9.22	13.10	13.21	9.29
EOM	9.40	8.77	7.97	7.42	7.99	7.63	6.77	6.49	8.58	14.58	13.25	9.31

WTR YR 1995 LOW 15.23 AUG 3

LA PORTE COUNTY

413700086445401. Local number, LP 8.
LOCATION.--Lat 41°37'00", long 86°44'54", in NE¼SE¼NW¼ sec.34, T.37 N., R.3 W., La Porte County, Hydrologic Unit 07120001, at the west end of Soldiers Memorial Park in La Porte.
Owner: State of Indiana.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in., depth 22 ft, cased to 20 ft, screened to 22 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 802.79 ft above sea level. Measuring point: Top of floor of shelter, 3.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.37 ft below land-surface datum, Jan. 28, 1994; lowest, 7.04 ft below land-surface datum, Mar. 8-11, 1978.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.11	---	---	---	3.04	2.99	3.15	---	---	3.23	3.12	---
10	3.16	---	---	---	2.98	2.93	2.76	---	---	3.44	---	---
15	3.23	---	---	---	3.01	2.99	---	3.06	---	3.11	---	---
20	3.24	---	---	---	3.02	2.99	2.97	3.08	---	3.34	---	---
25	3.32	---	---	---	3.11	3.11	---	2.93	---	3.34	---	---
EOM	---	---	---	---	2.98	3.11	---	3.09	3.21	3.55	---	---

WTR YR 1995 HIGH 2.74 APR 11

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.11	---	---	---	3.05	3.10	3.19	---	---	3.28	3.33	---
10	3.16	---	---	---	3.07	2.99	3.06	---	---	3.47	---	---
15	3.24	---	---	---	3.11	2.99	---	3.07	---	3.56	---	---
20	3.25	---	---	---	3.06	3.07	2.99	3.10	---	3.34	---	---
25	3.34	---	---	---	3.13	3.11	---	2.99	---	3.34	---	---
EOM	---	---	---	---	3.05	3.11	---	3.10	3.27	3.57	---	---

WTR YR 1995 LOW 3.60 AUG 1

LA PORTE COUNTY

412350086512801. Local number, LP 9.
LOCATION.--Lat 41°23'50", long 86°51'28", in SE$^1/_4$SW$^1/_4$NE$^1/_4$ sec.15, T.34 N., R.4 W., La Porte County, Hydrologic Unit 07120001, at the intersection of County Roads 1450 South and 825 West, 3.0 mi southeast of Wanatah.
Owner: U.S. Geological Survey.

AQUIFER.--Sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 32 ft, cased to 27 ft, screened to 32 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 706.81 ft above sea level. Measuring point: Top of floor of shelter, 1.60 ft above land-surface datum.

PERIOD OF RECORD.--June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.56 ft below land-surface datum, Apr. 5, 1985; lowest, 8.28 ft below land-surface datum, Oct. 16, 17, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.56	6.34	5.58	5.43	5.35	5.80	5.71	4.87	4.70	5.25	5.38	6.24
10	6.63	5.56	4.63	5.60	5.42	5.32	5.08	4.96	4.24	5.50	5.22	6.42
15	6.70	5.27	4.76	5.05	5.58	5.20	4.36	5.23	4.60	5.77	5.45	6.58
20	6.73	5.19	4.87	4.78	5.72	5.13	4.35	5.34	4.82	5.90	5.57	6.68
25	6.79	5.45	5.07	4.99	5.87	5.46	4.39	4.84	5.18	6.04	5.80	6.81
EOM	6.81	5.49	5.27	5.11	5.75	5.61	4.64	4.57	4.94	6.26	6.03	6.92

WTR YR 1995 HIGH 3.83 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.57	6.50	5.65	5.49	5.41	5.85	5.77	4.94	4.75	5.29	5.57	6.28
10	6.64	5.73	4.73	5.63	5.55	5.38	5.59	5.05	4.33	5.55	5.25	6.45
15	6.71	5.31	4.81	5.09	5.70	5.23	4.41	5.25	4.68	5.81	5.51	6.59
20	6.75	5.31	4.94	4.82	5.78	5.23	4.54	5.38	4.95	5.93	5.63	6.72
25	6.81	5.53	5.13	5.01	5.90	5.49	4.47	4.85	5.26	6.07	5.84	6.83
EOM	6.87	5.54	5.29	5.14	5.78	5.64	4.70	4.61	5.09	6.29	6.08	6.94

WTR YR 1995 LOW 6.94 SEP 30

LA PORTE COUNTY

413139086341401. Local number, LP 10.
LOCATION.--Lat 41°31'40", long 86°34'10", in SE$^1/_4$SW$^1/_4$NE$^1/_4$ sec.31, T.36 N., R.1 W., La Porte County, Hydrologic Unit 07120001, 200 ft north of the manager's residence at the Mixsawbah Fish Hatchery and 2.6 mi southeast of Stillwell.
Owner: State of Indiana.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 104 ft, cased to 102 ft, screened to 104 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 695 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--August 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.65 ft below land-surface datum, Dec. 29, 1990; lowest, 9.61 ft below land-surface datum, Sept. 17, 18, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.43	8.23	7.89	7.83	7.66	7.39	7.61	7.38	7.68	8.37	8.46	8.25
10	8.49	7.92	7.14	7.94	7.72	6.64	5.96	7.47	7.85	8.46	8.46	8.35
15	8.55	7.82	7.30	7.36	7.84	6.94	6.08	7.62	7.99	8.58	8.61	8.46
20	8.58	7.78	7.27	6.99	7.82	7.07	6.66	7.74	8.12	8.60	7.86	8.56
25	8.61	7.91	7.47	7.23	7.76	7.41	6.84	7.48	8.25	8.60	7.91	8.63
EOM	8.58	7.84	7.68	7.48	7.45	7.46	7.21	7.47	8.28	8.70	8.10	8.72

WTR YR 1995 HIGH 5.58 APR 12

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.45	8.31	7.93	7.85	7.70	7.43	7.65	7.42	7.69	8.38	8.51	8.27
10	8.50	7.97	7.25	7.95	7.79	6.67	7.04	7.51	7.86	8.48	8.48	8.37
15	8.56	7.85	7.34	7.50	7.90	6.97	6.20	7.65	8.02	8.59	8.63	8.47
20	8.59	7.85	7.33	7.09	7.89	7.17	6.78	7.76	8.15	8.61	7.88	8.59
25	8.63	7.97	7.53	7.27	7.79	7.44	6.97	7.59	8.27	8.62	7.95	8.65
EOM	8.66	7.86	7.70	7.50	7.56	7.50	7.24	7.51	8.30	8.72	8.13	8.74

WTR YR 1995 LOW 8.74 AUG 2

LA PORTE COUNTY

412839086533101. Local number, LP 11.
LOCATION.--Lat 41°28'39", long 86°53'31", in SW¼SW¼SW¼ sec.16, T.35 N., R.4 W., La Porte County, Hydrologic Unit 07120001, in the northeast corner of intersection of U.S. Highway 421 and County Road 900 South. Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 100 ft, cased to 95 ft, screened to 100 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 760 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 4.1 ft above land-surface datum.

REMARKS.--Water level may be affected by pumpage.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.82 ft below land-surface datum, Dec. 30, 1990; lowest, 10.18 ft below land-surface datum, Oct. 17, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.72	7.62	6.85	6.68	6.37	6.91	6.82	5.90	5.79	6.61	7.22	8.23
10	7.89	6.86	6.29	6.85	6.43	6.53	6.51	5.94	5.84	6.79	7.32	8.41
15	8.02	6.68	6.23	6.53	6.57	6.45	5.51	6.10	6.06	6.97	7.52	8.57
20	8.15	6.55	6.30	6.16	6.70	6.35	5.49	6.19	6.19	7.10	7.69	8.68
25	8.31	6.78	6.41	6.11	6.87	6.61	5.64	6.25	6.33	7.24	7.84	8.82
EOM	8.35	6.92	6.57	6.12	6.93	6.74	5.77	6.08	6.47	7.48	8.02	8.94

WTR YR 1995 HIGH 5.41 APR 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.73	7.83	6.93	6.76	6.43	6.98	6.91	5.94	5.88	6.65	7.25	8.26
10	7.92	6.92	6.41	6.88	6.58	6.59	6.81	6.01	5.89	6.82	7.36	8.44
15	8.06	6.73	6.25	6.68	6.74	6.48	5.56	6.14	6.10	7.00	7.56	8.58
20	8.19	6.70	6.35	6.18	6.79	6.44	5.59	6.22	6.23	7.13	7.72	8.74
25	8.35	6.86	6.45	6.13	6.92	6.65	5.69	6.26	6.36	7.28	7.87	8.84
EOM	8.47	6.95	6.59	6.15	6.97	6.77	5.81	6.10	6.52	7.51	8.08	8.96

WTR YR 1995 LOW 8.96 SEP 30

LA PORTE COUNTY

413434086434701. Local number, LP 12.
LOCATION.--Lat 41°34'34", long 86°43'47", in NE¼NE¼NW¼ sec.14, T.36 N., R.3 W., La Porte County, Hydrologic Unit 07120001, on County Road 150 West, at La Porte Municipal Airport, 1.6 mi south of La Porte. Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 77 ft, cased to 71 ft, screened to 77 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 805 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.70 ft above land-surface datum.

REMARKS.--Water level may be affected by pumpage.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.96 ft below land-surface datum, Jan. 16, 1991; lowest, 22.82 ft below land-surface datum, Jan. 27, 28, 31, 1990.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.07	19.53	19.88	19.78	19.71	19.73	19.52	19.23	19.32	19.52	19.80	---
10	19.15	19.62	19.89	19.83	19.63	19.76	19.46	19.18	19.33	19.53	19.70	---
15	19.23	19.68	19.92	19.81	19.63	19.71	19.47	19.21	19.37	19.63	19.64	---
20	19.30	19.68	19.87	19.82	19.64	19.60	19.41	19.22	19.36	19.69	---	---
25	19.39	19.77	19.82	19.87	19.69	19.62	19.36	19.29	19.46	19.69	---	---
EOM	19.47	19.84	19.78	19.74	19.73	19.56	19.28	19.33	19.54	19.74	---	---

WTR YR 1995 HIGH 18.99 OCT 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.07	19.56	19.89	19.83	19.72	19.76	19.56	19.24	19.36	19.52	19.83	---
10	19.17	19.64	19.93	19.85	19.66	19.79	19.55	19.19	19.36	19.55	19.71	---
15	19.25	19.69	19.94	19.86	19.66	19.74	19.49	19.23	19.39	19.66	19.64	---
20	19.32	19.74	19.88	19.84	19.67	19.64	19.47	19.23	19.38	19.69	---	---
25	19.41	19.80	19.83	19.87	19.72	19.63	19.37	19.31	19.48	19.70	---	---
EOM	19.49	19.86	19.80	19.77	19.76	19.57	19.30	19.33	19.54	19.76	---	---

WTR YR 1995 LOW 19.94 DEC 11

MARION COUNTY

393855086120701. Local number, MA 34.
LOCATION.--Lat 39°38'55", long 86°12'07", in NE¼NW¼NE¼ sec.21, T.14 N., R.3 E., Marion County, Hydrologic Unit 05120201, about 0.5 mi northwest of Glenns Valley.
Owner: U.S. Geological Survey.

AQUIFER.--Coarse sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 66 ft, cased to 61 ft, screened to 66 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 670.73 ft above sea level. Measuring point: Top of casing, 3.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.55 ft below land-surface datum, Nov. 17, 1993; lowest, 8.84 ft below land-surface datum, Nov. 23-25, 1987.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.83	6.91	6.39	6.59	6.33	6.35	5.94	6.11	5.44	5.93	6.41	6.83
10	6.84	6.98	6.30	6.51	6.40	5.87	6.11	6.19	5.65	6.10	4.86	6.76
15	6.97	6.97	6.37	6.28	6.33	5.86	6.10	5.87	5.82	6.32	6.07	6.86
20	7.03	6.60	6.31	6.19	6.24	5.81	5.36	4.94	5.95	6.50	6.16	6.89
25	6.94	6.52	6.36	6.45	6.34	5.82	5.76	5.36	5.48	6.34	6.38	7.10
EOM	7.25	6.33	6.40	6.51	6.22	5.88	6.04	5.25	5.70	6.64	6.64	7.24

WTR YR 1995 HIGH 4.25 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.99	7.24	6.70	6.70	6.58	6.48	5.96	6.14	5.47	5.98	6.61	6.86
10	6.91	7.03	6.35	6.53	6.43	5.88	6.21	6.21	5.70	6.15	5.69	6.86
15	7.02	6.98	6.38	6.29	6.45	5.88	6.14	5.99	5.87	6.41	6.11	6.95
20	7.10	6.67	6.32	6.36	6.27	5.92	6.18	5.14	6.00	6.55	6.25	6.94
25	6.99	6.53	6.37	6.60	6.34	5.84	5.79	5.40	5.60	6.38	6.44	7.13
EOM	7.28	6.34	6.73	6.55	6.24	5.90	6.07	5.30	5.77	6.69	6.69	7.27

WTR YR 1995 LOW 7.38 NOV 4

MARION COUNTY

394632086092701. Local number, MA 35.
LOCATION.--Lat 39°46'32", long 86°09'27", in NW¼SW¼NW¼ sec.1, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, in the northeast corner of the intersection of Meridian and North Streets in Indianapolis.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 83 ft, cased to 77.5 ft, screened to 83 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 716.40 ft above sea level. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels are affected by pumpage.

PERIOD OF RECORD.--September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 30.30 ft below land-surface datum, Mar. 27, 1991; lowest, unknown, but greater than 37.55 ft below land-surface datum. Recorder unable to record below this water level, which occurred on numerous occasions between Aug. 14 and Sept. 2, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	35.64	34.76	35.19	35.13	34.74	34.69	34.80	35.04	35.78	37.18	36.89
10	35.95	35.47	34.79	35.03	35.13	34.70	34.70	34.96	35.36	36.16	37.25	36.74
15	35.81	35.42	34.87	34.85	35.24	34.76	34.77	34.91	35.31	36.66	37.53	36.75
20	35.97	35.15	34.74	34.75	35.00	34.75	34.94	34.88	35.83	---	37.44	36.51
25	35.75	35.00	34.57	35.10	34.87	34.83	34.93	35.06	35.77	---	---	35.98
EOM	35.62	34.85	34.54	35.07	34.80	---	34.86	35.01	36.04	---	37.51	35.99

WTR YR 1995 HIGH 34.52 JAN 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	35.76	34.99	35.24	35.37	34.78	34.74	34.87	35.34	36.16	37.41	37.36
10	35.99	35.58	35.10	35.35	35.36	34.77	34.78	35.24	35.54	36.35	37.51	36.87
15	36.02	35.65	35.08	34.93	35.38	35.10	34.88	35.19	35.68	---	---	37.01
20	36.07	35.24	34.87	34.94	35.04	34.87	35.03	35.11	36.00	---	---	36.80
25	35.82	35.13	34.60	35.34	34.92	34.89	35.00	35.43	36.07	---	---	36.08
EOM	35.78	35.14	34.65	35.29	34.83	---	34.95	35.33	36.33	---	---	36.26

WTR YR 1995 LOW 37.54 SEP 2

MARION COUNTY

394626086100201. Local number, MA 36.
LOCATION.--Lat 39°46'26", long 86°10'02", in SW$^1/_4$SW$^1/_4$NE$^1/_4$ sec.2, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, in the southwest corner of the intersection of West and Michigan Streets in Indianapolis.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 70.6 ft, cased to 65.1 ft, screened to 70.6 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 710.06 ft above sea level. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 26.86 ft below land-surface datum, May 14, 1991; lowest, 33.41 ft below land-surface datum, Sept. 3 - 5, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.18	31.96	31.17	30.89	30.95	30.98	30.74	30.77	30.84	31.91	32.90	33.40
10	32.18	31.87	31.06	30.97	30.99	30.89	30.72	30.82	30.99	31.98	33.01	33.38
15	32.14	31.74	31.01	31.01	31.04	30.83	30.72	30.88	31.17	32.09	33.12	33.29
20	32.11	31.61	30.94	30.99	31.06	30.81	30.74	30.71	31.34	32.32	33.24	33.23
25	32.11	31.48	30.90	30.99	31.06	30.84	30.74	30.64	31.57	32.55	33.31	33.10
EOM	32.04	31.32	30.85	30.96	31.04	30.77	30.74	30.71	31.76	32.77	33.34	32.95

WTR YR 1995 HIGH 30.64 MAY 23

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.19	31.98	31.19	30.89	30.97	31.00	30.75	30.78	30.87	31.92	32.93	33.41
10	32.19	31.89	31.08	30.98	31.00	30.91	30.73	30.84	31.03	32.00	33.03	33.40
15	32.15	31.77	31.02	31.02	31.06	30.84	30.73	30.89	31.20	32.13	33.14	33.30
20	32.11	31.64	30.96	31.00	31.08	30.82	30.75	30.76	31.39	32.37	33.26	33.24
25	32.11	31.51	30.91	30.99	31.08	30.84	30.75	30.64	31.61	32.60	33.31	33.14
EOM	32.05	31.35	30.86	30.97	31.04	30.78	30.75	30.72	31.79	32.80	33.36	32.97

WTR YR 1995 LOW 33.41 SEP 3

MARION COUNTY

394732086115501. Local number, MA 37.
LOCATION.--Lat 39°47'32", long 86°11'55", in SE$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 33, T.16N., R.3W., Marion County, Hydrologic Unit 05120201, on the South Grove Municipal Golf Course property, west of the 11th fairway and east of White River Parkway in Indianapolis.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene Epoch.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 74 ft, cased to 69 ft, screened to 74 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 690 ft above sea level, from topographic map. Measuring point: Top of casing, 3.35 ft above land-surface datum.

REMARKS.--Water level may be affected by pumpage.

PERIOD OF RECORD.--July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.22 ft below land-surface datum, Mar. 20, 1991; lowest, 13.73 ft below land-surface datum, June 20, 1992.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.83	6.95	6.57	8.56	7.96	6.68	6.62	6.77	9.07	11.32	12.14	8.66
10	6.79	6.66	7.97	8.59	8.34	8.02	7.10	7.88	9.63	8.17	9.83	9.87
15	6.81	6.70	8.13	7.05	8.40	6.84	6.98	7.67	9.81	12.43	8.80	8.90
20	7.14	6.72	8.11	6.59	8.11	7.63	7.17	7.96	11.69	9.85	8.75	8.52
25	7.32	6.62	8.05	7.99	6.88	7.16	9.24	8.84	7.26	7.54	12.59	8.38
EOM	6.89	6.49	8.50	8.06	6.84	6.66	7.77	9.07	11.17	8.04	9.01	8.62

WTR YR 1995 HIGH 6.13 MAR 8

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.01	7.12	6.82	8.69	8.00	6.80	7.11	6.96	9.31	11.47	12.35	8.84
10	6.98	6.83	8.04	8.70	8.41	8.25	7.24	8.15	9.72	9.76	9.95	9.95
15	6.97	6.92	8.17	7.24	8.55	7.65	7.08	9.57	10.05	12.53	8.94	12.45
20	7.26	6.79	8.24	6.82	8.30	8.13	9.37	8.26	11.83	9.90	8.86	8.66
25	8.34	6.73	8.15	8.04	6.98	7.31	9.67	8.93	7.40	7.90	12.79	8.61
EOM	7.12	6.63	8.61	8.26	7.23	7.16	7.87	9.23	11.35	8.45	9.34	8.72

WTR YR 1995 LOW 12.96 AUG 29

MARTIN COUNTY

383659086545901. Local number, MT 5.
LOCATION.--Lat 38°36'59", long 86°54'59", in SE¼NE¼SW¼ sec.12, T.2 N., R.5 W., Martin County, Hydrologic Unit 05120208, on private property 0.25 mi southwest of Whitfield.
Owner: Marjorie A. Arvin.

AQUIFER.--Sandstone of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 143 ft, cased to 53 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 565 ft above sea level, from topographic map. Measuring point: Top of casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.91 ft below land-surface datum, Apr. 14, 1980; lowest, 34.10 ft below land-surface datum, Jan. 1, 5, 22, 23, 1960, and Dec. 18, 19, 1964.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

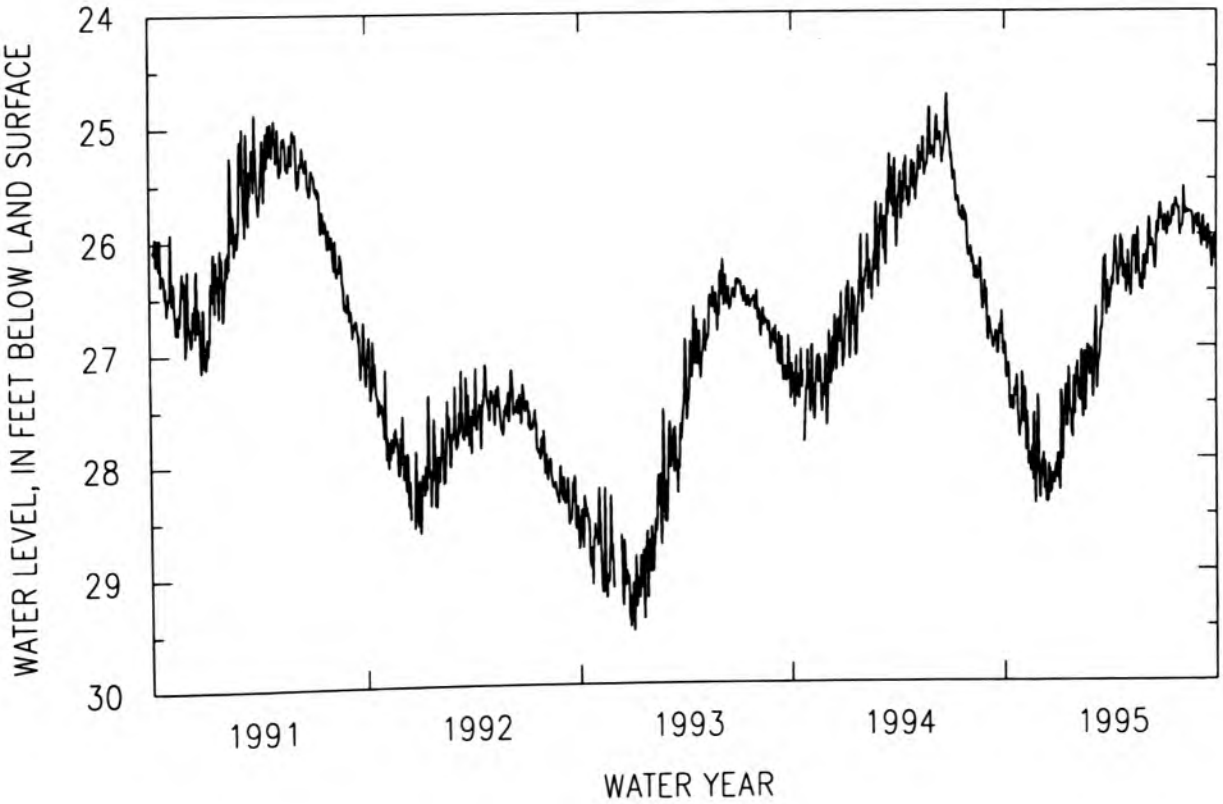
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.27	27.37	28.02	28.06	27.46	26.88	26.45	26.50	25.98	25.86	25.57	26.11
10	27.49	27.76	28.04	27.83	27.04	27.23	26.24	26.02	26.07	25.83	25.77	26.07
15	27.48	28.12	28.38	27.52	27.05	26.88	26.32	26.36	26.20	25.88	25.79	26.14
20	27.44	27.63	28.28	27.28	26.99	26.22	26.13	26.34	25.89	25.74	25.83	26.00
25	27.63	28.14	28.19	27.78	27.08	26.72	26.40	26.40	25.72	25.75	25.88	26.05
EOM	27.23	28.25	27.97	27.32	27.08	26.59	26.33	26.28	25.88	25.94	25.82	26.10

WTR YR 1995 HIGH 25.57 AUG 5

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.40	27.75	28.25	28.45	27.65	27.17	26.74	26.66	26.27	25.97	25.86	26.19
10	27.62	28.11	28.33	28.09	27.27	27.41	26.39	26.15	26.18	25.94	25.84	26.19
15	27.57	28.22	28.42	27.72	27.32	27.04	26.50	26.50	26.32	25.96	25.87	26.24
20	27.53	28.20	28.33	27.56	27.28	26.44	26.40	26.40	26.01	25.84	25.89	26.14
25	27.77	28.23	28.26	27.94	27.47	26.86	26.58	26.54	25.81	25.81	25.96	26.19
EOM	27.66	28.49	28.11	27.61	27.35	26.69	26.44	26.42	25.97	26.03	25.90	26.23

WTR YR 1995 LOW 28.53 DEC 1



MONTGOMERY COUNTY

400247086482101. Local number, MY 7.
LOCATION.--Lat 40°02'47", long 86°48'21", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ sec.31, T.19 N., R.3 W., Montgomery County, Hydrologic Unit 05120110, on the county right-of-way at the intersection of State Highway 32 and County Road 525 East, and 4.5 mi east of Crawfordsville.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 111 ft, cased to 107 ft, screened to 109 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 801 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.38 ft above land-surface datum.

PERIOD OF RECORD.--July 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 26.10 ft below land-surface datum, Apr. 13, 1974; lowest, 34.13 ft below land-surface datum, Nov. 9, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.68	31.57	31.76	32.03	31.76	31.74	31.24	31.84	29.87	30.04	31.11	32.88
10	31.67	31.65	32.00	32.00	31.77	31.51	31.40	31.88	29.92	30.14	31.23	32.84
15	31.69	31.69	32.34	31.77	31.83	31.09	31.56	31.58	29.98	30.47	31.81	32.86
20	31.58	31.56	32.10	31.66	31.76	30.62	31.50	30.96	30.23	30.70	32.26	32.84
25	31.71	31.75	31.96	31.91	31.77	30.83	31.56	30.55	30.22	30.68	32.55	32.90
EOM	31.60	31.78	31.84	31.77	31.73	31.08	31.60	30.10	30.06	31.01	32.78	32.96

WTR YR 1995 HIGH 29.84 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.72	31.73	31.79	32.10	31.83	31.85	31.29	31.89	29.96	30.06	31.15	32.92
10	31.73	31.77	32.05	32.04	31.88	31.60	31.48	31.98	30.01	30.20	31.31	32.86
15	31.72	31.73	32.39	31.83	31.95	31.21	31.59	31.65	30.05	30.54	31.93	32.89
20	31.63	31.73	32.14	31.70	31.85	30.73	31.57	31.05	30.26	30.72	32.34	32.89
25	31.76	31.79	31.96	31.95	31.87	30.91	31.62	30.59	30.27	30.70	32.59	32.96
EOM	31.78	31.88	31.92	31.86	31.81	31.12	31.74	30.17	30.09	31.05	32.82	33.01

WTR YR 1995 LOW 33.01 SEP 29

MORGAN COUNTY

393423086161001. Local number, MG 4.
LOCATION.--Lat 39°34'23", long 86°16'10", in NW$^1/_4$NW$^1/_4$NW$^1/_4$ sec.13, T.13 N., R.2 E., Morgan County, Hydrologic Unit 05120201, on east side of County Road 850 East, 0.4 mi north of County Road 950 North, and 1.1 mi north of Waverly.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 64 ft, cased to 60 ft, screened to 64 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 645 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--May 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.93 ft below land-surface datum, Jan. 1, 1991; lowest, 16.09 ft below land-surface datum, Nov. 2-4, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.75	15.30	15.58	15.72	15.53	15.14	13.75	13.29	10.62	11.71	12.95	13.84
10	14.84	15.34	15.61	15.76	15.50	14.58	13.81	13.29	10.84	11.92	13.03	13.99
15	14.94	15.40	15.62	15.76	15.50	14.14	13.78	13.07	11.07	12.15	13.18	14.15
20	15.04	15.45	15.62	15.72	15.43	13.91	13.72	11.54	11.34	12.37	13.31	14.30
25	15.12	15.51	15.63	15.60	15.35	13.80	13.51	10.91	11.47	12.54	13.48	14.44
EOM	15.23	15.54	15.68	15.58	15.28	13.74	13.36	10.60	11.54	12.76	13.68	14.59

WTR YR 1995 HIGH 10.58 JUN 2

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.77	15.31	15.60	15.72	15.54	15.17	13.77	13.30	10.63	11.75	12.96	13.88
10	14.87	15.35	15.61	15.77	15.51	14.67	13.83	13.31	10.88	11.97	13.06	14.02
15	14.96	15.41	15.64	15.76	15.51	14.21	13.79	13.14	11.13	12.19	13.21	14.18
20	15.06	15.46	15.63	15.75	15.45	13.95	13.81	11.98	11.40	12.41	13.34	14.34
25	15.14	15.53	15.64	15.61	15.37	13.82	13.55	10.94	11.51	12.58	13.51	14.48
EOM	15.24	15.55	15.69	15.59	15.31	13.75	13.38	10.64	11.58	12.80	13.71	14.62

WTR YR 1995 LOW 15.77 JAN 10

NEWTON COUNTY

405105087173301. Local number, NE 6.
LOCATION.--Lat 40°51'05", long 87°17'33", in SE¼SW¼SE¼ sec.23, T.28 N., R.8 W., Newton County, Hydrologic Unit 07120002, on the right-of-way of County Road 1000 South, 1.0 mi south of Foresman.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 80 ft, cased to 76 ft, screened to 78 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 654.10 ft above sea level. Measuring point: Top of floor of shelter, 2.15 ft above land-surface datum.

PERIOD OF RECORD.--May 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.94 ft below land-surface datum, Mar. 20, 21, 1982; lowest, 18.82 ft below land-surface datum, Oct. 29, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.69	15.63	14.30	13.00	12.17	12.97	12.14	11.00	10.04	11.36	13.90	15.73
10	15.79	15.43	13.62	13.10	12.20	12.12	11.08	11.15	9.91	11.82	13.99	15.92
15	15.80	15.12	13.32	12.49	12.42	11.78	10.05	11.11	10.65	12.46	14.42	16.08
20	15.83	14.74	13.08	11.82	12.62	11.63	10.14	10.17	11.30	12.96	14.80	16.18
25	15.89	14.69	12.97	11.83	12.84	12.03	10.21	9.30	11.91	13.23	15.00	16.28
EOM	15.79	14.50	12.94	11.93	12.95	12.06	10.67	9.33	11.21	13.78	15.37	16.46

WTR YR 1995 HIGH 9.00 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.72	15.78	14.36	13.12	12.27	13.07	12.23	11.09	10.11	11.47	13.93	15.83
10	15.81	15.50	13.81	13.16	12.39	12.33	11.77	11.28	10.05	12.00	14.07	15.96
15	15.86	15.20	13.39	12.66	12.61	11.85	10.11	11.22	10.83	12.59	14.55	16.09
20	15.88	14.92	13.13	11.90	12.72	11.75	10.28	10.26	11.43	12.97	14.84	16.28
25	15.93	14.71	13.00	11.87	12.95	12.08	10.36	9.55	11.99	13.37	15.05	16.33
EOM	15.94	14.56	13.01	12.00	13.05	12.10	10.79	9.44	11.32	13.91	15.52	16.48

WTR YR 1995 LOW 16.48 SEP 30

NEWTON COUNTY

405959087282901. Local number, NE 7.
LOCATION.--Lat 40°59'59", long 87°28'29", in SE¼SW¼SE¼ sec.32, T.30 N., R.9 W., Newton County, Hydrologic Unit 07120002, in the Willow Slough Game Preserve, 2.0 mi southwest of Enos.
Owner: State of Indiana.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 150 ft, cased to 136 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 680.83 ft above sea level. Measuring point: Top of floor of shelter, 2.03 ft above land-surface datum.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.65 ft below land-surface datum, Apr 14, 1980; lowest, 97.33 ft below land-surface datum, Aug. 29, 30, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	68.72	63.50	58.87	55.51	53.01	50.60	48.65	46.76	---	---	---
10	---	68.00	62.60	58.29	54.86	52.64	50.15	48.17	46.53	---	---	80.12
15	73.43	67.14	61.92	57.62	54.45	---	49.75	47.93	46.43	---	---	80.19
20	72.28	65.96	61.14	56.95	54.05	51.67	49.32	47.65	46.31	---	---	79.09
25	71.29	65.25	60.42	56.62	53.66	51.54	49.16	47.37	47.03	---	---	78.06
EOM	69.81	64.42	59.55	55.79	53.51	51.02	48.84	47.06	49.15	---	---	76.93

WTR YR 1995 HIGH 46.31 JUN 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	69.03	63.62	59.16	55.53	53.16	50.73	48.68	46.90	---	---	---
10	---	68.10	62.82	58.49	55.03	52.76	50.19	48.26	46.63	---	---	80.18
15	73.62	67.21	62.14	57.67	54.64	---	49.88	47.95	46.44	---	---	80.41
20	72.43	66.38	61.27	56.99	54.21	51.82	49.42	47.69	46.32	---	---	79.21
25	71.45	65.37	60.56	56.74	53.83	51.56	49.19	47.39	47.59	---	---	78.35
EOM	70.25	64.52	59.72	56.00	53.51	51.10	48.88	47.10	49.29	---	---	77.22

WTR YR 1995 LOW 80.53 SEP 13

NEWTON COUNTY

410428087231501. Local number, NE 8.
LOCATION.--Lat 41°04'28", long 87°25'44", in NW¹/₄SW¹/₄SW¹/₄ sec.2, T.30 N., R.9 W., Newton County, Hydrologic Unit 07120001, in the Beaver Lake Prairie Chicken Refuge, 3.0 mi north of Enos.
Owner: State of Indiana.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 150 ft, cased to 97 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 663.34 ft above sea level. Measuring point: Top of floor of shelter, 2.83 ft above land-surface datum.

REMARKS.--Water level may be affected by irrigation pumpage.

PERIOD OF RECORD.--February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.04 ft below land-surface datum, May 31, 1976; lowest, 98.40 ft below land-surface datum, July 29, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.30	27.66	23.97	20.96	18.72	16.91	15.22	13.90	12.50	18.25	49.43	45.25
10	33.13	27.20	23.36	20.52	18.21	16.69	14.88	13.61	12.29	32.49	42.86	41.28
15	32.04	26.49	22.96	20.08	17.94	16.38	14.64	13.43	12.31	42.42	48.93	38.70
20	30.86	25.54	22.44	19.65	17.65	15.89	14.29	13.20	22.15	41.19	44.87	37.23
25	29.96	25.16	21.98	19.50	17.42	15.91	14.23	13.00	27.96	43.58	47.18	35.04
EOM	28.59	24.62	21.38	18.87	17.32	15.53	14.06	12.64	20.87	59.07	49.18	33.41

WTR YR 1995 HIGH 12.21 JUN 13

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.65	28.04	24.06	21.22	18.76	17.07	15.43	13.93	12.71	21.27	51.88	46.33
10	33.36	27.30	23.55	20.69	18.35	16.83	15.02	13.79	12.40	37.62	43.96	41.93
15	32.97	26.61	23.11	20.14	18.13	16.51	14.77	13.55	15.61	45.00	50.97	39.01
20	31.05	25.97	22.54	19.67	17.81	15.98	14.52	13.37	23.59	43.88	46.37	37.66
25	30.07	25.22	22.05	19.58	17.65	16.01	14.31	13.06	33.66	45.30	50.17	35.48
EOM	29.01	24.71	21.55	19.06	17.39	15.61	14.11	12.73	21.75	61.66	50.88	33.78

WTR YR 1995 LOW 64.41 AUG 2

NEWTON COUNTY

405959087282902. Local number, NE 9.
LOCATION.--Lat 40°59'59", long 87°28'29", in SE¹/₄SW¹/₄SE¹/₄ sec.32, T.30 N., R.9 W., Newton County, Hydrologic Unit 07120002, in the Willow Slough Game Preserve, 2.0 mi southwest of Enos.
Owner: U.S. Geological Survey.

AQUIFER.--Sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 2 in., depth 45 ft, cased to 42 ft, screened to 45 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 681 ft above sea level, from topographic map. Measuring point: Top of "Y" in well casing, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--May 1978 to current year. Fragmentary record prior to March 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.07 ft below land-surface datum, May 3, 1978; lowest, 15.44 ft below land-surface datum, Oct. 19-21, 26-31, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.99	---	---	---	11.46	11.67	11.13	9.70	8.92	10.93	11.87	13.07
10	14.09	---	---	---	11.49	11.51	10.56	9.66	9.16	11.29	11.76	13.23
15	14.18	---	---	11.64	11.58	11.46	9.79	9.23	9.61	11.68	12.07	13.40
20	---	---	---	11.45	11.67	11.36	9.48	8.96	10.02	11.96	12.38	13.53
25	---	---	---	11.42	11.73	11.35	9.54	8.46	10.47	12.19	12.60	13.66
EOM	---	---	---	11.42	11.72	11.18	9.57	8.48	10.63	12.48	12.83	13.82

WTR YR 1995 HIGH 8.23 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	11.47	11.69	11.20	9.76	8.99	11.01	12.00	13.09
10	---	---	---	---	11.54	11.54	10.92	9.73	9.28	11.36	11.79	13.25
15	---	---	---	11.76	11.63	11.49	9.87	9.27	9.69	11.75	12.14	13.42
20	---	---	---	11.47	11.70	11.39	9.60	9.02	10.13	12.01	12.43	13.58
25	---	---	---	11.44	11.74	11.40	9.60	8.50	10.56	12.24	12.64	13.69
EOM	---	---	---	11.43	11.74	11.21	9.61	8.56	10.70	12.53	12.89	13.84

WTR YR 1995 LOW 13.84 SEP 30

NEWTON COUNTY

410428087231502. Local number, NE 10.
LOCATION.--Lat 41°04'28", long 87°25'44", in NW1/4SW1/4SW1/4 sec.2, T.30 N., R.9 W., Newton County, Hydrologic Unit 07120001, in the Beaver Lake Prairie Chicken Refuge, 3.0 mi north of Enos.
Owner: U.S. Geological Survey.

AQUIFER.--Sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 2 in., depth 45 ft, cased to 41 ft, screened to 44 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 662.60 ft above sea level. Measuring point: Bottom lip of "Y" in well casing, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--May 1978 to current year. Fragmentary record prior to March 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.03 ft below land-surface datum, Mar. 16, 1982; lowest, 6.48 ft below land-surface datum, Sept. 30, Oct. 1, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.00	5.42	4.72	4.95	4.73	5.11	4.87	4.01	2.69	4.28	2.71	4.68
10	6.06	4.83	4.30	5.10	4.88	4.49	4.07	3.98	3.01	4.48	3.05	4.85
15	6.06	4.60	4.33	4.57	5.06	4.43	3.64	3.25	3.42	4.69	3.58	5.07
20	6.06	4.56	4.44	4.32	5.21	4.48	3.63	3.16	3.73	4.73	3.81	5.20
25	6.10	4.66	4.57	4.30	5.27	4.60	3.76	1.80	4.05	4.82	4.10	5.32
EOM	6.13	4.66	4.79	4.56	5.21	4.70	3.95	2.14	4.15	5.01	4.43	5.45

WTR YR 1995 HIGH 1.51 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.02	5.54	4.74	4.97	4.77	5.13	4.90	4.11	2.75	4.35	2.73	4.74
10	6.08	4.99	4.34	5.10	4.94	4.54	4.68	4.23	3.11	4.55	3.18	4.91
15	6.06	4.60	4.36	4.81	5.06	4.48	3.65	3.27	3.50	4.70	3.65	5.09
20	6.07	4.57	4.44	4.39	5.22	4.49	3.65	3.20	3.85	4.74	3.84	5.20
25	6.10	4.73	4.63	4.34	5.33	4.68	3.83	1.80	4.11	4.87	4.16	5.35
EOM	6.13	4.68	4.80	4.60	5.30	4.71	3.97	2.29	4.15	5.05	4.51	5.47

WTR YR 1995 LOW 6.13 OCT 28

NEWTON COUNTY

410235087305901. Local number, NE 11.
LOCATION.--Lat 41°02'35", long 87°30'59", in SW1/4SW1/4SE1/4 sec.13, T.30 N., R.10 W., Newton County, Hydrologic Unit 07120001, on right-of-way of County Road 300 North, 0.5 mi west of County Road 600 West, and 4.0 mi northwest of Enos.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 5 in., depth of 150 ft, cased to 90 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 670 ft above sea level, from topographic map. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Water level may be affected by pumpage.

PERIOD OF RECORD.--October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.78 ft below land-surface datum, May 6, 1982; lowest recorded, 98.83 ft below land-surface datum, Aug. 5, 6, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	61.66	---	50.69	46.46	42.91	39.82	37.41	34.84	50.68	---	---
10	---	61.32	---	49.92	45.39	42.58	39.40	36.60	34.63	---	---	---
15	67.38	---	---	49.15	44.84	42.07	38.90	36.50	34.56	---	---	73.72
20	65.93	---	---	48.26	44.29	41.04	38.25	36.10	34.08	---	---	72.57
25	64.92	---	---	48.00	43.87	41.15	38.16	35.85	41.95	---	---	71.14
EOM	62.95	---	51.60	46.70	43.77	40.46	37.78	35.32	48.39	---	---	69.79

WTR YR 1995 HIGH 34.08 JUN 20

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	62.26	---	51.20	46.52	43.20	40.25	37.49	35.13	50.99	---	---
10	---	61.46	---	50.30	45.66	42.86	39.61	36.78	34.83	---	---	---
15	67.57	---	---	49.24	45.18	42.22	39.14	36.72	34.64	---	---	74.08
20	66.07	---	---	48.31	44.65	41.34	38.69	36.20	34.17	---	---	72.62
25	64.98	---	---	48.16	44.28	41.32	38.28	35.95	46.96	---	---	71.55
EOM	63.58	---	51.76	47.08	43.89	40.60	37.87	35.48	48.85	---	---	70.20

WTR YR 1995 LOW 74.10 SEP 14

NEWTON COUNTY

410917087285801. Local number, NE 14.
LOCATION.--Lat 41°09'17", long 87°28'58", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ sec.8, T.31 N., R.9 W., Newton County, Hydrologic Unit 07120001, 100 ft south of wildlife area parking lot in La Salle State Fish and Wildlife Area.
Owner: U.S. Geological Survey.

AQUIFER.--Dolomitic limestone of Silurian/Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 150 ft, cased to 82 ft, open end.

INSTRUMENTATION.--Water-level recorder, data-collection platform, and incremental encoder.

DATUM.--Elevation of land-surface datum is 636.62 ft (revised) above sea level. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Water level may be affected by pumpage.

PERIOD OF RECORD.--August 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.18 ft below land-surface datum, Mar. 27, 1991; lowest, 31.19 ft below land-surface datum, Aug. 26, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.83	12.65	11.30	---	9.32	8.85	8.38	7.87	7.52	8.50	18.08	16.53
10	14.52	12.52	11.00	---	9.13	8.78	8.19	7.71	7.61	8.63	16.50	15.56
15	14.17	12.24	10.84	9.81	9.09	8.68	7.99	7.77	7.93	12.35	16.94	15.25
20	13.76	11.85	10.61	9.58	9.03	8.38	7.77	7.77	8.74	14.71	16.72	14.78
25	13.58	11.78	10.45	9.59	9.03	8.56	7.78	7.65	8.60	17.20	15.92	14.38
EOM	13.03	11.55	10.26	9.32	8.98	8.41	7.75	7.50	8.61	18.46	15.69	14.56

WTR YR 1995 HIGH 7.43 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.00	12.82	11.38	---	9.37	8.95	8.48	7.96	7.67	8.54	18.56	16.76
10	14.59	12.57	11.11	---	9.24	8.85	8.29	7.80	7.85	8.93	16.78	15.69
15	14.26	12.30	10.92	9.89	9.21	8.74	8.08	8.02	8.62	13.16	17.20	15.49
20	13.83	12.09	10.78	9.67	9.11	8.49	7.92	7.91	9.16	15.19	17.05	15.11
25	13.61	11.84	10.49	9.65	9.13	8.61	7.97	7.71	9.05	17.41	16.64	14.54
EOM	13.33	11.62	10.34	9.41	9.06	8.52	7.85	7.58	8.71	18.91	16.26	14.81

WTR YR 1995 LOW 19.63 AUG 2

NOBLE COUNTY

411922085221801. Local number, NO 8.
LOCATION.--Lat 41°19'22", long 85°22'18", in SE$^1/_4$SW$^1/_4$SE$^1/_4$ sec.9, T.33 N., R.10 E., Noble County, Hydrologic Unit 04050001, near the east edge of Chain O'Lakes State Park, and 5.0 mi south of Albion.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian (revised) well, diameter 6 in., depth 149 ft, cased to 146 ft, screened to 148 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 928 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--December 1966 to September 1971, August 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.88 ft below land-surface datum, Feb. 14, 1991; lowest, 32.49 ft below land-surface datum, Jan. 18, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.45	30.37	30.69	30.90	30.91	30.78	30.87	30.68	30.31	30.37	30.43	30.81
10	30.57	30.71	30.67	30.94	30.66	31.02	30.93	30.31	30.36	30.39	30.48	30.81
15	30.54	30.75	30.87	30.76	30.71	30.90	30.82	30.62	30.50	30.42	30.59	30.84
20	30.39	30.49	30.90	30.58	30.73	30.47	30.63	30.57	30.31	30.42	30.63	30.70
25	30.54	30.66	30.84	31.09	30.98	31.08	30.67	30.62	30.31	30.45	30.66	30.68
EOM	30.24	30.85	30.80	30.70	31.00	30.90	30.70	30.48	30.34	30.57	30.57	30.72

WTR YR 1995 HIGH 30.15 NOV 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.55	30.60	30.81	31.09	31.03	31.06	31.06	30.75	30.51	30.40	30.51	30.87
10	30.67	30.88	30.88	31.07	30.84	31.21	30.99	30.39	30.52	30.44	30.52	30.91
15	30.59	30.86	30.95	30.90	31.00	31.02	30.93	30.73	30.59	30.49	30.64	30.93
20	30.51	30.84	30.95	30.69	30.94	30.68	30.84	30.61	30.34	30.45	30.66	30.83
25	30.66	30.79	30.90	31.14	31.16	31.15	30.79	30.68	30.35	30.49	30.71	30.78
EOM	30.62	30.98	30.90	30.88	31.15	30.95	30.76	30.57	30.40	30.65	30.65	30.87

WTR YR 1995 LOW 31.26 MAR 2

NOBLE COUNTY

413106085232701. Local number, NO 9.
LOCATION.--Lat 41°31'06", long 85°23'27", in NW¼NE¼SE¼ sec.5, T.35 N., R.10 E., Noble County, Hydrologic Unit 04050001, at the intersection of County Roads 175 East and 1150 North, and 2.0 mi west of Wolcottville.
Owner: U.S. Geological Survey.

AQUIFER.--Sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in,. depth 44 ft, cased to 39 ft, screened to 42 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 930 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.37 ft below land-surface datum, Jan. 5, 1993; lowest, 17.67 ft below land-surface datum, Nov. 22, 23, 26, 30, Dec. 1, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.15	17.47	17.55	16.69	14.76	14.76	14.19	12.71	11.66	11.86	11.29	13.18
10	17.25	17.54	16.87	16.77	14.78	13.59	12.90	12.70	12.16	12.48	11.62	13.54
15	17.30	17.54	16.80	16.06	14.96	13.40	11.99	12.47	12.57	13.01	12.28	13.91
20	17.33	17.48	16.71	15.30	14.96	13.37	12.13	12.67	12.89	13.15	11.43	14.12
25	17.42	17.55	16.66	14.74	15.07	13.94	12.27	11.23	13.27	13.46	11.79	14.32
EOM	17.38	17.65	16.66	14.59	15.05	14.04	12.61	11.09	11.60	13.26	12.59	14.58

WTR YR 1995 HIGH 10.86 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.16	17.54	17.58	16.77	14.88	14.91	14.28	12.74	11.68	12.00	11.70	13.27
10	17.30	17.59	17.04	16.83	14.86	13.82	13.88	12.73	12.20	12.60	11.72	13.66
15	17.33	17.58	16.84	16.19	15.14	13.46	12.02	12.56	12.70	13.09	12.41	13.99
20	17.37	17.61	16.73	15.56	15.13	13.43	12.23	12.70	12.96	13.20	11.88	14.20
25	17.46	17.63	16.68	14.81	15.20	13.99	12.40	12.12	13.33	13.50	11.96	14.35
EOM	17.49	17.67	16.69	14.67	15.06	14.05	12.64	11.17	12.08	13.30	12.69	14.60

WTR YR 1995 LOW 17.67 NOV 22

NOBLE COUNTY

412405085154501. Local number, NO 11.
LOCATION.--Lat 41°24'05", long 85°15'45", in NW¼NE¼SW¼ sec.16, T.34 N., R.11 E., Noble County, Hydrologic Unit 04100003, on the property of Ron Karst on the south side of County Road 350 North, 0.6 mi west of State Highway 3 and about 22 mi north of Fort Wayne.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artsian well, diameter 6 in., depth 216 ft, cased to 211 ft, screened to 216 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 1,036.94 ft above sea level. Measuring point: Top of casing, 3.45 ft above land-surface datum.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 113.24 ft below land-surface datum, Nov. 6, 1988; lowest, 115.00 ft below land-surface datum, Feb. 17, 1989.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	114.39	114.02	114.32	114.54	114.20	114.40	114.40	114.45	114.39	114.46	114.47	114.76
10	114.39	114.36	114.35	114.50	113.99	114.76	114.35	114.02	114.41	114.48	114.46	114.67
15	114.51	114.47	114.65	114.12	114.21	114.60	114.44	114.26	114.60	114.53	114.49	114.73
20	114.19	114.30	114.56	113.85	114.20	113.91	114.20	114.27	114.48	114.47	114.55	114.57
25	114.24	114.38	114.47	114.52	114.51	114.47	114.30	114.50	114.36	114.39	114.68	114.57
EOM	113.99	114.37	114.41	114.11	114.49	114.41	114.41	114.53	114.40	114.71	114.51	114.56

WTR YR 1995 HIGH 113.82 NOV 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	114.48	114.22	114.42	114.68	114.41	114.76	114.54	114.52	114.58	114.47	114.60	114.82
10	114.61	114.63	114.53	114.62	114.25	114.87	114.50	114.18	114.55	114.53	114.49	114.83
15	114.58	114.63	114.74	114.24	114.60	114.74	114.50	114.43	114.79	114.57	114.52	114.83
20	114.30	114.64	114.63	113.99	114.50	114.21	114.36	114.30	114.55	114.52	114.57	114.64
25	114.38	114.47	114.51	114.58	114.61	114.63	114.44	114.60	114.43	114.43	114.71	114.76
EOM	114.40	114.61	114.58	114.40	114.66	114.45	114.47	114.58	114.42	114.79	114.60	114.68

WTR YR 1995 LOW 114.88 MAR 2

NOBLE COUNTY

412405085154504. Local number, NO 14.
LOCATION.--Lat 41°24'05", long 85°15'45", in NW¼NE¼SW¼ sec.16, T.34 N., R.11 E., Noble County, Hydrologic Unit 04100003, on the property of Ron Karst on the south side of County Road 350 North, 0.6 mi west of State Highway 3 and about 22 mi north of Fort Wayne.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 145 ft, cased to 140 ft, screened to 145 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 1,037.24 ft above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 112.21 ft below land-surface datum, Dec. 15, 1987; lowest, 114.29 ft below land-surface datum, Feb. 17, 1989.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	113.34	112.81	113.23	113.40	113.24	113.23	113.26	113.40	113.21	113.34	113.32	113.69
10	113.48	113.44	113.19	113.43	112.81	113.67	113.40	112.87	113.27	113.38	113.34	113.68
15	113.49	113.56	113.62	113.08	113.00	113.54	113.34	113.31	113.54	113.40	113.40	113.70
20	113.17	113.01	113.57	112.74	113.04	112.70	113.03	113.18	113.30	113.34	113.47	113.41
25	113.23	113.30	113.44	113.56	113.39	113.58	113.23	113.51	113.21	113.32	113.57	113.37
EOM	112.70	113.46	113.31	112.97	113.46	113.36	113.38	113.43	113.30	113.53	113.36	113.40

WTR YR 1995 HIGH 112.55 NOV 27

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	113.47	113.24	113.43	113.75	113.42	113.68	113.59	113.55	113.52	113.41	113.50	113.79
10	113.67	113.73	113.62	113.66	113.13	113.92	113.54	113.02	113.50	113.45	113.39	113.84
15	113.59	113.71	113.73	113.27	113.44	113.73	113.50	113.46	113.71	113.50	113.47	113.85
20	113.30	113.64	113.65	112.91	113.42	113.11	113.41	113.29	113.38	113.37	113.53	113.62
25	113.43	113.50	113.55	113.62	113.66	113.68	113.44	113.65	113.29	113.37	113.66	113.62
EOM	113.34	113.69	113.49	113.28	113.70	113.43	113.49	113.56	113.40	113.66	113.46	113.59

WTR YR 1995 LOW 114.00 MAR 9

PARKE COUNTY

393619087043001. Local number, PA 6.
LOCATION.--Lat 39°36'19", long 87°04'30", in SE¼SW¼SE¼ sec.33, T.14 N., R.6 W., Parke County, Hydrologic Unit 05120111, on county right-of-way on north side of road at the Parke-Clay county line, 1.7 mi east of Carbon, 2.6 mi east of State Highway 59, and 6.2 mi north of Brazil.
Owner: U.S. Geological Survey.

AQUIFER.--Sandstone of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 155 ft, cased to 46 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 703.24 ft above sea level. Measuring point: Top of casing, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--July 1967 to August 1971, October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.53 ft below land-surface datum, Apr. 19, 1970; lowest, 16.87 ft below land-surface datum, Oct. 30, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.33	15.57	15.82	15.73	15.20	14.91	14.39	14.21	13.86	14.67	15.20	15.20
10	15.45	15.74	15.78	15.64	15.01	14.92	14.35	14.01	13.95	14.64	15.07	15.22
15	15.53	15.83	15.89	15.53	14.96	14.77	14.34	14.08	14.04	14.82	15.14	15.24
20	15.54	15.69	15.84	15.39	14.94	14.52	14.24	14.03	14.26	15.03	15.10	15.23
25	15.62	15.83	15.84	15.46	14.97	14.63	14.28	14.00	14.29	15.08	15.09	15.29
EOM	15.53	15.84	15.76	15.20	15.02	14.49	14.23	13.93	14.51	15.28	15.11	15.42

WTR YR 1995 HIGH 13.84 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.41	15.78	15.89	15.91	15.26	15.01	14.51	14.26	13.95	14.69	15.29	15.27
10	15.50	15.83	15.90	15.73	15.12	14.97	14.41	14.08	14.01	14.73	15.14	15.26
15	15.59	15.87	15.95	15.60	15.09	14.86	14.43	14.18	14.13	14.89	15.17	15.30
20	15.58	15.90	15.88	15.45	15.02	14.59	14.37	14.05	14.31	15.07	15.15	15.32
25	15.67	15.91	15.87	15.54	15.13	14.68	14.36	14.06	14.35	15.15	15.16	15.37
EOM	15.70	15.96	15.87	15.34	15.12	14.55	14.30	14.00	14.57	15.32	15.14	15.48

WTR YR 1995 LOW 15.99 DEC 8

POSEY COUNTY

380758087551001. Local number, PY 3.
LOCATION.--Lat 38°07'58", long 87°55'10", in NW1/4NW1/4SW1/4 sec.31, T.4 S., R.13 W., Posey County, Hydrologic Unit 05120113, on property of the New Harmony Park Board, at the east edge of New Harmony.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 58 ft, cased to 54ft, screened to 56 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 383.55 ft above sea level. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

REMARKS.--Water level affected by Wabash River floods.

PERIOD OF RECORD.--April 1967 to September 1971, September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.95 ft below land-surface datum, May 14, 1983; lowest, 21.40 ft below land-surface datum, Nov. 4, 8-15, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.21	19.98	20.09	19.85	18.25	17.82	16.53	15.06	9.85	12.95	15.43	16.65
10	19.36	20.01	19.98	19.91	18.24	17.15	16.73	15.21	10.68	13.30	15.22	16.98
15	19.50	20.03	19.87	19.69	18.29	16.17	16.85	15.39	11.44	13.82	15.16	17.28
20	19.62	20.03	19.75	19.22	18.06	15.76	16.55	11.79	12.05	14.30	15.49	17.54
25	19.75	20.10	19.70	18.86	17.98	16.05	15.66	9.42	12.11	14.73	15.85	17.79
EOM	19.90	20.06	19.74	18.34	17.92	16.30	15.17	9.22	12.71	15.18	16.27	18.01

WTR YR 1995 HIGH 8.85 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.23	20.01	20.10	19.86	18.27	17.84	16.56	15.10	9.91	13.05	15.52	16.71
10	19.39	20.02	20.07	19.91	18.30	17.35	16.79	15.31	10.87	13.41	15.57	17.04
15	19.52	20.03	19.89	19.76	18.37	16.37	16.91	15.45	11.62	13.91	15.19	17.32
20	19.65	20.05	19.76	19.35	18.10	15.81	16.77	12.17	12.30	14.39	15.57	17.59
25	19.78	20.11	19.70	18.91	18.01	16.08	15.79	9.84	12.28	14.82	15.92	17.83
EOM	19.92	20.08	19.76	18.42	17.96	16.34	15.22	9.37	12.82	15.25	16.34	18.05

WTR YR 1995 LOW 20.13 DEC 8

POSEY COUNTY

380546087474301. Local number, PY 5.
LOCATION.--Lat 38°05'46", long 87°47'43", in NE1/4NW1/4NE1/4 sec. 18, T.5S., R.12W., Posey County, Hydrologic Unit 05120113, about 0.5 mi southwest of Wadesville along the west edge of Laurel Hill Cemetary.
Owner: U.S. Geological Survey

AQUIFER.--Sandstone of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 221 ft, cased to 160 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 460.60 ft above sea level. Measuring point: Top of casing, 3.60 ft above land-surface datum.

REMARKS.--Well record may be affected by pumpage.

PERIOD OF RECORD.--September 1988 to current year.

REVISED RECORDS.--WDR IN 94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 132.83 ft below land-surface datum, Mar. 27, 1991; lowest, 146.60 ft below land-surface datum, Sept. 29, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	144.59	144.18	143.91	144.11	143.38	142.43	142.38	142.58	141.86	141.68	142.90	144.11
10	144.71	144.38	143.62	143.82	142.82	142.37	142.34	142.19	142.29	141.46	142.82	144.13
15	144.42	144.44	143.68	143.92	142.74	142.18	142.84	142.11	141.99	142.05	143.13	143.81
20	144.34	144.10	143.65	143.75	142.47	142.11	142.50	141.85	142.35	142.73	143.56	144.16
25	144.61	144.17	143.79	143.56	142.75	142.43	142.46	141.87	141.81	142.74	143.62	143.78
EOM	144.53	144.20	143.77	143.26	142.95	142.60	142.49	141.89	141.60	143.01	143.92	145.63

WTR YR 1995 HIGH 141.43 JUL 9

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	144.79	144.50	144.06	144.47	143.48	142.69	142.66	142.86	141.98	141.79	143.39	144.34
10	145.51	144.47	143.83	144.01	143.08	142.55	142.53	142.91	142.44	142.09	142.93	144.37
15	144.65	144.54	143.84	144.40	142.98	142.37	143.73	142.24	142.45	142.25	143.31	143.96
20	144.51	144.41	143.78	143.81	142.57	142.28	142.82	142.36	143.09	142.88	143.81	144.58
25	144.77	144.22	143.94	143.74	143.84	142.56	142.59	142.09	142.02	142.86	143.87	144.16
EOM	144.90	144.39	143.94	143.53	143.23	143.25	142.99	142.05	141.68	143.19	144.08	146.33

WTR YR 1995 LOW 146.60 SEP 29

PULASKI COUNTY

405916086530701. Local number, PU 6.
LOCATION.--Lat 40°59'16", long 86°53'07", in NW¼SE¼SW¼ sec.4, T.29 N., R.4 W., Pulaski County, Hydrologic Unit 05120106, on private property at the north edge of Francesville.
Owner: Earl Overmeyer.

AQUIFER.--Limestone of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 8 in., depth 663 ft, cased to 11 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 678.60 ft above sea level. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water level affected by pumpage and earthquakes.

PERIOD OF RECORD.--July 1956 to February 1971, January 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.03 ft below land-surface datum, June 15, 1958; lowest, 25.98 ft below land-surface datum, Oct. 25, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	23.27	---	18.22	19.07	17.41	15.41	14.36	16.29	19.15	22.23
10	---	---	22.71	---	18.01	17.62	16.58	15.52	14.78	16.79	19.50	22.30
15	---	---	22.42	20.49	18.24	16.69	14.87	15.96	15.53	17.61	20.28	22.82
20	---	23.33	21.90	18.66	18.56	16.07	14.71	14.89	15.98	18.02	20.81	22.82
25	---	23.39	21.58	18.45	19.04	17.09	14.42	14.13	16.40	18.40	21.25	23.10
EOM	---	23.54	---	17.89	19.10	17.09	14.94	13.69	16.21	19.05	21.51	23.63

WTR YR 1995 HIGH 13.29 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	23.63	---	18.62	19.36	17.81	15.82	14.55	16.54	19.29	22.34
10	---	---	23.04	---	18.42	18.23	17.28	15.91	15.00	17.93	19.85	22.58
15	---	---	22.46	20.90	18.76	16.97	15.09	16.70	15.95	17.87	20.59	23.03
20	---	23.73	22.11	19.04	18.89	16.46	15.13	15.61	16.24	18.25	20.98	23.23
25	---	23.79	21.80	18.73	19.32	17.34	14.83	14.62	16.68	18.81	21.51	23.37
EOM	---	23.84	---	18.29	19.53	17.43	15.24	13.92	16.48	19.40	21.83	23.75

WTR YR 1995 LOW 23.84 NOV 22

PULASKI COUNTY

410739086365201. Local number, PU 7.
LOCATION.--Lat 41°07'39", long 86°36'52", in NE¼NE¼NW¼ sec.23, T.31 N., R.2 W., Pulaski County, Hydrologic Unit 05120106, in the Winamac State Fish and Game Area, 0.8 mi southwest of Beardstown.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 105 ft, cased to 98 ft, screened to 100 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 715.26 ft above sea level. Measuring point: Top of floor of shelter, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1967 to September 1971, September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.69 ft below land-surface datum, June 15, 1981; lowest, 11.86 ft below land-surface datum, Nov. 6-9, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.84	11.00	10.55	10.00	9.51	9.74	9.31	8.23	7.45	8.41	9.26	10.36
10	10.93	10.88	10.32	10.07	9.50	9.29	8.86	8.29	7.71	8.66	9.32	10.46
15	10.97	10.68	10.15	9.92	9.57	9.09	8.15	8.43	8.02	9.11	9.55	10.63
20	11.02	10.52	10.04	9.68	9.68	9.02	8.10	8.29	8.36	9.11	9.72	10.69
25	11.08	10.55	9.99	9.56	9.77	9.20	8.04	7.21	8.52	9.25	9.97	10.78
EOM	11.03	10.57	9.97	9.47	9.81	9.24	8.16	7.09	8.29	9.48	10.18	10.89

WTR YR 1995 HIGH 6.99 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.86	11.10	10.59	10.05	9.54	9.80	9.36	8.26	7.48	8.44	9.40	10.39
10	10.94	10.93	10.41	10.10	9.58	9.40	9.23	8.36	7.75	8.71	9.36	10.49
15	10.99	10.71	10.19	9.98	9.68	9.13	8.20	8.48	8.09	9.28	9.62	10.65
20	11.05	10.60	10.06	9.71	9.72	9.07	8.21	8.33	8.46	9.14	9.76	10.74
25	11.10	10.57	10.01	9.59	9.83	9.22	8.09	7.56	8.59	9.28	10.00	10.80
EOM	11.13	10.59	10.00	9.50	9.83	9.26	8.18	7.16	8.44	9.52	10.24	10.90

WTR YR 1995 LOW 11.15 OCT 30

PULASKI COUNTY

405605086551701. Local number, PU 8.
LOCATION.--Lat 40°56'05", long 86°55'17", in SE$^1/_4$SE$^1/_4$NW$^1/_4$ sec.30, T.29 N., R.4 W., Pulaski County, Hydrologic Unit 05120106, at the Arrowhead Country Resource Conservation and Development Office property, 11 mi east of Rensselaer on State Highway 114.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Middle Silurian Period, Wabash Formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 102 ft, cased to 12 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 683.76 ft above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.54 ft below land-surface datum, Oct. 17, 1994; lowest, 11.74 ft below land-surface datum, Aug. 25, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.34	5.09	4.55	3.61	2.92	3.34	3.24	2.90	2.56	3.55	5.10	7.57
10	6.48	4.60	3.02	3.81	3.23	1.87	1.21	3.03	3.11	3.95	5.45	7.74
15	6.55	4.63	3.51	1.61	3.50	2.62	2.05	2.29	3.51	---	5.82	---
20	6.55	4.47	3.27	1.55	3.47	2.84	2.24	1.63	3.72	---	6.18	---
25	6.73	4.72	3.48	2.67	3.44	3.23	2.25	1.16	4.10	---	6.68	---
EOM	6.09	4.66	3.56	2.93	3.36	3.03	2.45	2.47	3.09	---	---	---

WTR YR 1995 HIGH 1.03 MAY 24

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.41	5.48	4.69	3.77	3.08	3.50	3.38	3.01	2.71	3.65	5.21	7.64
10	6.53	4.69	3.20	3.89	3.45	2.04	2.03	3.15	3.18	4.03	5.54	7.79
15	6.61	4.69	3.58	1.85	3.74	2.72	2.25	2.55	3.58	---	5.90	---
20	6.64	4.75	3.37	1.82	3.59	2.95	2.64	2.09	3.86	---	6.24	---
25	6.78	4.82	3.54	2.76	3.59	3.33	2.43	1.48	4.20	---	6.73	---
EOM	6.45	4.71	3.63	3.02	3.43	3.09	2.89	2.65	3.22	---	---	---

WTR YR 1995 LOW 7.84 SEP 12

RANDOLPH COUNTY

401532085085301. Local number, RA 3.
LOCATION.--Lat 40°15'32", long 85°08'53", in NE$^1/_4$NE$^1/_4$SE$^1/_4$ sec.23, T.21 N., R.12 E., Randolph County, Hydrologic Unit 05120103, at the east edge of Purdue University Agriculture Experiment Station, about 5.5 mi north of Farmland.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 54 ft, cased to 33 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 970 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.85 ft above land-surface datum.

PERIOD OF RECORD.--October 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.68 ft below land-surface datum, Dec. 30, 1990; lowest, 15.18 ft below land-surface datum, Oct. 12, 13, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.21	14.08	14.13	13.49	12.03	11.13	11.50	10.59	9.75	10.93	10.68	12.82
10	14.33	14.27	13.93	13.50	11.90	10.28	10.95	10.61	10.34	11.26	10.82	12.90
15	14.22	14.23	14.11	12.46	12.01	10.37	10.35	10.60	10.86	11.83	11.48	13.06
20	14.22	14.01	13.76	11.71	11.73	10.51	10.34	9.26	11.14	11.97	11.84	13.07
25	14.30	14.22	13.84	11.94	11.72	11.25	9.88	10.08	11.31	11.53	12.16	13.20
EOM	14.01	14.33	13.38	11.94	11.52	11.40	10.19	10.08	10.82	11.66	12.46	13.49

WTR YR 1995 HIGH 8.87 MAY 19

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.29	14.30	14.25	13.71	12.11	11.36	11.66	10.69	9.78	11.03	11.28	12.89
10	14.37	14.34	14.11	13.61	12.06	10.40	11.46	10.70	10.42	11.44	10.98	12.98
15	14.34	14.28	14.18	12.59	12.19	10.43	10.43	10.68	10.99	11.87	11.60	13.13
20	14.26	14.25	13.81	12.06	11.91	10.63	10.53	9.51	11.27	12.05	11.97	13.19
25	14.38	14.33	13.94	12.01	11.92	11.32	10.02	10.24	11.40	12.06	12.23	13.27
EOM	14.23	14.44	13.53	12.05	11.65	11.45	10.34	10.12	11.08	11.74	12.61	13.55

WTR YR 1995 LOW 14.49 NOV 6

ST. JOSEPH COUNTY

413120086055601. Local number, SJ 31.
LOCATION.--Lat 41°31'20", long 86°05'56", in SW¹/₄SW¹/₄SW¹/₄ sec.31, T.36 N., R.4 E., St. Joseph County, Hydrologic Unit 07120001, 4 mi west of Wakarusa.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 109 ft, cased to 104 ft, screened to 109 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 830.50 ft above sea level. Measuring point: Top of casing, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--August 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.71 ft below land-surface datum, Jan. 23, 1991; lowest, 12.64 ft below land-surface datum, Oct. 6,7, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.69	11.34	10.61	9.97	9.52	9.62	9.45	9.17	9.22	9.81	10.57	10.82
10	11.71	11.23	10.34	9.99	9.57	9.41	9.33	9.17	9.32	9.78	10.45	10.94
15	11.78	11.04	10.27	9.79	9.76	9.34	9.20	9.32	9.50	10.12	10.45	11.13
20	11.73	10.83	10.08	9.56	9.76	9.19	9.06	9.34	10.03	10.04	10.43	---
25	11.76	10.82	10.01	9.52	9.73	9.42	9.05	9.36	10.37	10.12	10.53	11.03
EOM	11.59	10.66	9.95	9.45	9.70	9.42	9.14	9.21	9.93	10.60	10.71	11.13

WTR YR 1995 HIGH 9.02 APR 27

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.72	11.49	10.66	10.01	9.57	9.64	9.52	9.21	9.25	9.85	10.62	10.86
10	11.77	11.26	10.44	10.03	9.68	9.46	9.41	9.19	9.35	9.83	10.57	10.96
15	11.81	11.07	10.33	9.82	9.84	9.36	9.23	9.36	9.60	10.25	10.47	11.15
20	11.76	10.96	10.13	9.69	9.82	9.22	9.15	9.37	10.14	10.05	10.46	---
25	11.79	10.87	10.04	9.56	9.77	9.43	9.12	9.38	10.44	10.17	10.56	11.08
EOM	11.79	10.75	10.00	9.50	9.73	9.43	9.16	9.22	9.97	10.75	10.76	11.15

WTR YR 1995 LOW 11.82 OCT 16

SHELBY COUNTY

393943085490901. Local number, SH 2.
LOCATION.--Lat 39°39'43", long 85°49'09", in SW¹/₄SW¹/₄NW¹/₄ sec.13, T.14 N., R.6 E., Shelby County, Hydrologic Unit 05120204, on the county right-of-way at the intersection of County Roads 950 North and 200 West, 3.0 mi south of Carrollton.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 150 ft, cased to 128 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 816.10 ft above sea level. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.90 ft below land-surface datum, May 27, 1968; lowest, 22.65 ft below land-surface datum, Feb. 7, 1977.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.65	21.77	21.63	21.16	19.92	19.19	19.70	19.10	18.03	19.71	20.54	21.02
10	21.73	21.77	21.39	21.25	19.90	18.31	19.84	19.26	18.62	19.86	20.44	20.97
15	21.74	21.74	21.22	20.66	20.06	18.56	19.90	18.80	19.04	20.25	20.68	20.93
20	21.78	21.72	20.83	20.18	19.23	18.83	19.90	17.46	19.33	20.35	20.55	20.99
25	21.87	21.86	20.86	19.99	19.22	19.37	18.70	18.10	19.39	20.35	20.67	21.11
EOM	21.77	21.80	20.99	19.98	19.28	19.52	18.81	17.89	19.49	20.61	20.82	21.27

WTR YR 1995 HIGH 17.46 MAY 19

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.70	21.94	21.69	21.27	19.95	19.27	19.76	19.19	18.04	19.75	20.69	21.08
10	21.76	21.84	21.57	21.30	19.98	18.38	19.92	19.33	18.70	19.96	20.46	21.02
15	21.78	21.77	21.23	20.69	20.18	18.61	19.93	19.05	19.18	20.29	20.72	20.95
20	21.81	21.86	20.86	20.36	19.49	18.88	19.99	17.46	19.39	20.35	20.57	21.04
25	21.91	21.90	20.91	20.00	19.30	19.42	18.76	18.25	19.44	20.38	20.70	21.11
EOM	21.91	21.84	21.03	20.05	19.30	19.57	18.90	17.95	19.52	20.65	20.84	21.28

WTR YR 1995 LOW 22.00 NOV 2

STARKE COUNTY

411342086365601. Local number, SK 2.
LOCATION.--Lat 41°13'42", long 86°36'56", in NW¼NE¼NW¼ sec.14, T.32 N., R.2 W., Starke County, Hydrologic Unit 07120001, on private property in the southeast angle of intersection of U.S. Highway 35 and County Road 500 South, and 5.0 mi south of Knox.
Owner: Samuel A. Craigmile.

AQUIFER.--Gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 85 ft, cased to 77 ft, screened to 85 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 712.97 ft above sea level. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1935 to December 1952 (random instantaneous measurements only), August 1963 to October 1966, June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.83 ft below land-surface datum, June 17, 1949; lowest, 6.99 ft below land-surface datum, Aug. 2, 1939, Sept. 17, 18, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.14	5.38	5.35	5.32	5.11	5.28	5.21	4.66	4.42	4.03	4.63	5.71
10	6.05	4.99	4.69	5.43	5.19	4.43	4.16	4.75	4.33	4.42	4.92	5.69
15	---	5.05	4.95	4.79	5.33	4.62	4.31	4.89	4.69	4.76	5.20	5.88
20	---	5.16	4.97	4.62	5.35	4.78	4.30	4.90	4.91	4.81	5.36	5.95
25	6.16	5.28	5.09	4.91	5.35	4.99	4.28	3.73	4.87	4.98	5.61	5.97
EOM	5.81	5.28	5.21	5.08	5.19	5.10	4.50	4.05	3.44	5.22	5.63	6.00

WTR YR 1995 HIGH 3.44 JUN 30

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.15	5.65	5.38	5.34	5.16	5.32	5.23	4.70	4.45	4.09	4.70	5.72
10	6.06	5.00	4.73	5.45	5.24	4.47	4.71	4.79	4.37	4.50	4.99	5.73
15	---	5.08	5.00	4.82	5.40	4.66	4.35	4.92	4.75	4.82	5.24	5.89
20	---	5.21	5.01	4.67	5.39	4.83	4.52	4.95	4.96	4.85	5.40	5.98
25	6.16	5.33	5.13	4.94	5.39	5.04	4.35	3.76	4.93	5.02	5.63	5.99
EOM	6.13	5.31	5.23	5.09	5.21	5.11	4.58	4.15	4.26	5.29	5.67	6.02

WTR YR 1995 LOW 6.17 OCT 3

STEUBEN COUNTY

414204085054002. Local number, SB 6.
LOCATION.--Lat 41°42'04", long 85°05'40", in SE¼SE¼SW¼ sec.36, T.38 N., R.12 W., Steuben County, Hydrologic Unit 04050001, 0.5 east of Panama on the north side of the Lake Gage Congregational Church.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 76 ft, cased to 71 ft, screened to 76 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 987.89 ft above sea level. Measuring point: Top of casing, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--August 1986 to current year.

REVISED RECORDS.--WDR IN-91-1: 1989.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.68 ft below land-surface datum, July 1, 1993; lowest, 19.30 ft below land-surface datum, March 1, 2, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.49	18.78	19.05	19.16	19.17	19.23	19.08	18.74	18.45	18.32	18.42	18.41
10	18.58	18.89	19.02	19.20	19.13	19.18	19.04	18.68	18.39	18.32	18.44	18.45
15	18.61	18.92	19.07	19.22	19.13	19.12	18.93	18.69	18.41	18.37	18.50	18.48
20	18.66	18.91	19.09	19.16	19.19	19.08	18.83	18.67	18.40	18.37	18.36	18.49
25	18.73	18.99	19.11	19.18	19.23	19.12	18.81	18.63	18.39	18.40	18.33	18.54
EOM	18.74	19.04	19.12	19.11	19.26	19.09	18.77	18.51	18.34	18.47	18.33	18.61

WTR YR 1995 HIGH 18.32 JUL 5

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.52	18.85	19.11	19.20	19.19	19.27	19.13	18.78	18.48	18.35	18.44	18.44
10	18.60	18.91	19.09	19.23	19.21	19.22	19.09	18.72	18.45	18.39	18.48	18.47
15	18.65	18.95	19.10	19.25	19.24	19.17	18.99	18.74	18.44	18.42	18.52	18.51
20	18.70	18.98	19.11	19.20	19.22	19.12	18.91	18.68	18.43	18.40	18.39	18.56
25	18.76	19.03	19.13	19.20	19.26	19.15	18.86	18.66	18.44	18.43	18.36	18.57
EOM	18.79	19.09	19.16	19.15	19.29	19.12	18.80	18.54	18.36	18.53	18.37	18.63

WTR YR 1995 LOW 19.30 MAR 1

TIPPECANOE COUNTY

402734087033401. Local number, TC 17.
LOCATION.--Lat 40°27'34", long 87°03'34", NW$^1/_4$NE$^1/_4$NE$^1/_4$ sec.11, T.23 N., R.6 W., Tippecanoe County, Hydrologic Unit 05120108, on the property of Purdue University and at the southeast corner of the intersection of County Roads 300 North and 825 West, about 3.0 mi southeast of Otterbein.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age (Teays Valley aquifer).

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 212.5 ft, cased to 207.5 ft, screened to 212.5 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 681 ft above sea level, from topographic map. Measuring point: Top of casing, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--August 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 110.98 ft below land-surface datum, October 2, 1989; lowest, 121.28 ft below land-surface datum, August 18, 1989.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	115.02	114.52	114.87	114.96	114.77	114.61	114.55	114.63	114.00	113.80	113.84	114.41
10	115.09	114.97	114.93	114.83	114.44	114.96	114.49	114.05	114.07	113.82	113.99	114.37
15	115.05	115.14	115.13	114.53	114.55	114.76	114.55	114.40	114.20	113.87	114.02	114.34
20	114.82	114.66	115.03	114.34	114.53	114.05	114.30	114.36	113.90	113.76	114.11	114.08
25	114.94	114.98	114.99	115.07	114.67	114.79	114.53	114.45	113.76	113.70	114.22	114.00
EOM	114.49	115.05	114.84	114.55	114.78	114.70	114.57	114.26	113.84	114.00	114.11	113.93

WTR YR 1995 HIGH 113.64 JUL 22

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	115.15	114.84	115.00	115.25	114.96	114.94	114.84	114.72	114.28	113.83	113.97	114.48
10	115.24	115.26	115.13	115.05	114.66	115.16	114.61	114.17	114.21	113.88	114.01	114.49
15	115.10	115.26	115.21	114.73	114.89	114.91	114.71	114.57	114.32	113.93	114.06	114.44
20	114.92	115.21	115.09	114.53	114.85	114.31	114.60	114.40	114.03	113.82	114.14	114.21
25	115.07	115.08	115.00	115.11	115.01	114.89	114.67	114.59	113.84	113.78	114.24	114.22
EOM	114.97	115.25	114.98	114.87	115.02	114.76	114.65	114.39	113.92	114.08	114.16	114.08

WTR YR 1995 LOW 115.33 NOV 22

TIPPECANOE COUNTY

402734087033402. Local number, TC 18.
LOCATION.--Lat 40°27'34", long 87°03'34", NW$^1/_4$NE$^1/_4$NE$^1/_4$ sec.11, T.23 N., R.6 W., Tippecanoe County, Hydrologic Unit 05120108, on the property of Purdue University and at the southeast corner of the intersection of County Roads 300 North and 825 West, about 3.0 mi southeast of Otterbein.
Owner: U.S. Geological Survey

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 64 ft, cased to 59 ft, screened to 64 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 681 ft above sea level, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.67 ft below land-surface datum, Mar. 27, 1991; lowest, 22.03 ft below land-surface datum, Feb. 27, 28, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	21.91	21.95	21.76	21.52	21.41	20.93	19.00	20.16	20.90	21.49
10	---	---	21.76	21.97	21.82	21.29	21.27	20.92	19.33	20.32	21.01	21.54
15	---	---	21.82	21.75	21.90	---	21.03	20.64	19.60	20.48	21.11	21.61
20	---	21.85	21.84	21.64	21.93	21.24	20.89	20.14	19.83	20.61	21.21	21.64
25	---	21.91	21.88	21.67	21.97	21.35	20.86	19.21	19.99	20.70	21.30	21.70
EOM	---	21.87	21.92	21.68	22.02	21.38	20.87	18.72	20.01	20.88	21.39	21.77

WTR YR 1995 HIGH 18.63 MAY 29

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	21.93	21.97	21.79	21.79	21.45	20.96	19.02	20.20	20.91	21.51
10	---	---	21.80	21.98	21.87	21.30	21.41	20.95	19.37	20.36	21.03	21.56
15	---	---	21.84	21.79	21.93	---	21.05	20.72	19.68	20.50	21.13	21.62
20	---	21.92	21.86	21.64	21.94	21.28	21.00	20.19	19.87	20.62	21.23	21.67
25	---	21.94	21.90	21.68	21.99	21.37	20.88	19.40	20.03	20.73	21.32	21.71
EOM	---	21.90	21.94	21.71	22.03	21.39	20.89	18.78	20.06	20.89	21.41	21.77

WTR YR 1995 LOW 22.03 FEB 27

VANDERBURGH COUNTY

380608087395901. Local number, VA 6.
LOCATION.--Lat 38°06'08", long 87°39'59", in SE¼SW¼NW¼ sec.8, T.5 S., R.11 W., Vanderburgh County, Hydrologic Unit 05120113, on county right-of-way at the intersection of Buente and New Harmony Roads, 1.0 mi southwest of Armstrong.
Owner: U.S. Geological Survey.

AQUIFER.--Sandstone of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 125 ft, cased to 80 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 446.57 ft above sea level. Measuring point: Top of floor of shelter, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--May 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.88 ft below land-surface datum, Apr. 3, 4, 1968; lowest, 35.87 ft below land-surface datum, Nov. 14, 1994.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.16	34.88	35.13	35.14	34.40	33.82	33.74	33.64	33.65	33.79	34.06	34.79
10	35.27	35.09	35.01	34.99	34.11	34.00	33.74	33.55	33.73	33.96	34.21	34.69
15	35.10	35.49	35.22	34.82	33.98	33.83	33.78	33.63	33.83	34.22	34.26	35.08
20	35.15	35.10	35.18	34.60	34.01	33.50	33.48	33.35	34.00	34.20	34.45	34.81
25	35.23	35.20	35.21	34.74	34.05	33.71	33.60	33.55	33.76	34.17	34.43	34.78
EOM	34.98	35.21	35.07	34.47	33.96	33.73	33.58	33.54	33.78	34.22	34.68	34.79

WTR YR 1995 HIGH 33.17 MAY 18

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.31	35.18	35.32	35.37	34.53	34.00	33.87	33.72	33.77	33.92	34.36	34.86
10	35.31	35.21	35.22	35.13	34.32	34.07	33.83	33.65	33.83	34.09	34.46	34.83
15	35.24	35.72	35.37	35.00	34.25	34.04	33.88	33.76	33.98	34.33	34.34	35.18
20	35.28	35.44	35.30	34.74	34.16	33.68	33.84	33.44	34.06	34.30	34.52	34.93
25	35.33	35.30	35.28	34.88	34.34	33.84	33.70	33.67	33.90	34.27	34.53	34.96
EOM	35.25	35.38	35.25	34.68	34.16	33.84	33.68	33.67	33.91	34.33	34.79	34.90

WTR YR 1995 LOW 35.87 NOV 14

VANDERBURGH COUNTY

380626087344401. Local number, VA 7.
LOCATION.--Lat 38°06'26", long 87°34'44", in NE¼NW¼NW¼ sec.7, T.5 S., R.10 W., Vanderburgh County, Hydrologic Unit 05120113, on north side of Salem United Church of Christ 0.5 mi north of Darmstadt.
Owner: U.S. Geological Survey.

AQUIFER.--Inglefield Sandstone Member, Patoka Formation of Pennsylvanian Period.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 70 ft, cased to 39.3 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 475.35 ft above sea level. Measuring point: Top of floor of shelter, 4.04 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.93 ft below land-surface datum, Mar. 27, 1991; lowest, 25.06 ft below land-surface datum, Oct. 29, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.97	23.86	24.00	23.79	23.29	22.49	22.70	22.42	21.66	22.10	22.27	23.09
10	24.17	24.13	23.95	23.70	22.85	22.65	22.66	21.96	21.97	22.07	22.44	23.15
15	24.04	24.29	24.05	23.57	22.86	22.35	22.82	22.36	22.06	22.26	22.46	23.24
20	24.07	23.75	23.91	23.25	22.66	22.06	22.69	22.02	21.84	22.28	22.53	23.14
25	24.26	24.16	23.91	23.60	22.76	22.76	22.63	21.99	21.90	22.39	22.67	23.18
EOM	23.73	24.32	23.78	23.09	22.84	22.74	22.38	21.83	22.15	22.60	22.78	23.29

WTR YR 1995 HIGH 21.62 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.12	24.22	24.25	24.25	23.48	22.70	23.00	22.54	21.91	22.25	22.54	23.17
10	24.35	24.41	24.24	23.96	23.04	22.87	22.88	22.16	22.05	22.20	22.55	23.22
15	24.14	24.45	24.17	23.74	23.13	22.52	22.97	22.56	22.24	22.40	22.51	23.35
20	24.22	24.29	23.98	23.54	22.91	22.21	22.99	22.15	21.94	22.36	22.61	23.31
25	24.35	24.26	24.05	23.76	23.16	22.97	22.78	22.12	22.03	22.55	22.69	23.30
EOM	24.13	24.49	23.89	23.38	23.05	22.90	22.53	21.99	22.24	22.70	22.81	23.37

WTR YR 1995 LOW 24.65 NOV 22

VIGO COUNTY

392820087242601. Local number, VI 7.
LOCATION.--Lat 39°28′20", long 87°24′26", in SE$^1/_4$SE$^1/_4$NE$^1/_4$ sec.21, T.12 N., R.9 W., Vigo County, Hydrologic Unit 05120111, on the campus of Indiana State University, in Terre Haute.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 70 ft, cased to 67 ft, screened to 70 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 502 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.35 ft below land-surface datum, Dec. 13, 1993; lowest, 51.90 ft below land-surface datum, Sept. 29 to Oct. 1, 1972.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.12	44.72	44.79	44.92	44.61	45.22	43.94	43.49	41.84	42.78	44.07	44.65
10	44.23	44.75	44.84	45.05	44.69	45.05	44.07	43.60	41.88	42.77	44.12	44.87
15	44.32	44.72	44.79	45.16	44.84	44.46	44.13	43.74	42.06	42.98	44.12	45.02
20	44.40	44.71	44.77	45.10	44.98	43.91	43.77	43.52	42.20	43.30	44.18	45.17
25	44.51	44.76	44.76	44.91	45.08	43.75	43.56	42.95	42.49	43.61	44.27	45.30
EOM	44.63	44.77	44.82	44.62	45.13	43.81	43.45	42.28	42.79	43.89	44.44	45.43

WTR YR 1995 HIGH 41.82 JUN 6

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.14	44.72	44.80	44.94	44.63	45.23	43.95	43.52	41.90	42.81	44.11	44.69
10	44.25	44.76	44.86	45.07	44.73	45.10	44.10	43.63	41.91	42.81	44.13	44.90
15	44.33	44.73	44.80	45.18	44.87	44.61	44.17	43.75	42.09	43.03	44.13	45.05
20	44.42	44.72	44.77	45.12	45.01	43.99	43.84	43.59	42.25	43.37	44.20	45.20
25	44.54	44.77	44.76	44.96	45.10	43.76	43.59	43.07	42.55	43.67	44.29	45.33
EOM	44.65	44.78	44.85	44.65	45.15	43.83	43.46	42.39	42.84	43.93	44.48	45.45

WTR YR 1995 LOW 45.45 SEP 30

WABASH COUNTY

404424085422801. Local number, WB 3.
LOCATION.--Lat 40°44′24", long 85°42′28", in SE$^1/_4$SE$^1/_4$SW$^1/_4$ sec.35, T.27 N., R.7 E., Wabash County, Hydrologic Unit 05120101, on State Highway 124, 3.5 mi west of the county line and in the southwest corner of United Telephone Company property.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 105 ft, cased to 100 ft, screened to 105 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 850.45 ft above sea level. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1986 to current year.

REVISED RECORDS.--WDR IN-94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 43.85 ft below land-surface datum, Mar. 27, 1991 and Apr. 1, 1993; lowest, 48.60 ft below land-surface datum, Oct. 12, 1994.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.37	47.69	48.08	---	48.00	48.19	47.61	46.99	46.42	46.34	46.84	47.50
10	48.45	47.88	---	---	47.84	---	47.44	46.64	46.38	46.40	46.92	47.50
15	48.51	48.01	---	---	47.98	---	47.16	46.81	46.36	46.67	47.15	47.61
20	48.15	47.92	---	---	47.37	47.33	46.86	46.74	46.38	46.63	47.25	47.56
25	48.06	48.06	---	---	48.20	47.67	46.88	46.73	46.38	46.60	47.32	47.61
EOM	47.73	48.13	---	---	48.30	47.60	46.88	46.54	46.37	46.97	47.29	47.70

WTR YR 1995 HIGH 46.28 JUN 7

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.43	47.88	48.16	---	48.12	48.24	47.69	47.04	46.56	46.39	46.94	47.55
10	48.55	48.07	---	---	48.02	---	47.54	46.76	46.50	46.43	46.97	47.63
15	48.57	48.09	---	---	48.24	---	47.24	46.90	46.44	46.73	47.17	47.67
20	48.22	48.15	---	---	48.05	47.54	46.99	46.77	46.43	46.67	47.29	47.64
25	48.14	48.15	---	---	48.28	47.75	46.97	46.78	46.42	46.63	47.37	47.74
EOM	48.06	48.36	---	---	48.44	47.65	46.95	46.59	46.39	47.00	47.34	47.78

WTR YR 1995 LOW 48.60 OCT 12

WABASH COUNTY

403948085414601. Local number, WB 4.
LOCATION.--Lat 40°39'48", long 85°41'46", in NE¼SE¼NE¼ sec. 35, T.26N., R.7E., Wabash County, Hydrologic Unit 05120103, on America Road, 1.3 mi southeast of La Fountaine.
Owner: U.S. Geological Survey

AQUIFER.--Sand and gravel of the Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 118 ft, cased to 113 ft, screened to 118 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 837.40 ft (revised) above sea level. Measuring point: Top of casing, 3.30 ft above land-surface datum.

PERIOD OF RECORD.--August 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.19 ft below land-surface datum, Nov. 5, 1988; lowest, 45.90 ft below land-surface datum, Sept. 23, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.44	44.16	44.55	44.83	44.64	44.70	44.62	44.54	44.35	44.58	44.95	45.58
10	44.51	44.52	44.62	44.80	44.41	44.99	44.63	44.15	44.43	44.64	45.03	45.57
15	44.53	44.64	44.91	44.56	44.57	44.79	44.60	44.49	44.55	44.82	45.16	45.66
20	44.36	44.36	44.89	44.37	44.58	44.21	44.35	44.49	44.45	44.80	45.26	45.52
25	44.45	44.59	44.81	44.99	44.80	44.81	44.48	44.55	44.43	44.82	45.38	45.56
EOM	44.06	44.69	44.71	44.53	44.83	44.68	44.49	44.51	44.51	45.11	45.32	45.63

WTR YR 1995 HIGH 44.02 NOV 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.53	44.42	44.67	45.05	44.80	44.98	44.82	44.63	44.56	44.62	45.08	45.64
10	44.66	44.77	44.84	44.95	44.61	45.15	44.75	44.23	44.58	44.71	45.08	45.68
15	44.60	44.76	44.97	44.72	44.87	44.93	44.72	44.62	44.68	44.86	45.20	45.74
20	44.46	44.76	44.94	44.53	44.82	44.46	44.58	44.54	44.52	44.84	45.31	45.64
25	44.58	44.69	44.87	45.02	45.02	44.90	44.60	44.64	44.47	44.88	45.44	45.72
EOM	44.50	44.88	44.85	44.76	45.02	44.73	44.57	44.57	44.58	45.17	45.38	45.72

WTR YR 1995 LOW 45.90 SEP 23

WARRICK COUNTY

380624087164801. Local number, WK 4.
LOCATION.--Lat 38°06'24", long 87°16'48", in SE¼SW¼SW¼ sec.2, T.5 S., R.8 W., Warrick County, Hydrologic Unit 05140201, on State Highway 61, 4.2 mi north of Boonville.
Owner: U.S. Geological Survey.

AQUIFER.--Sandstone from lower Dugger Formation of Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 105 ft, cased to 30 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 446.18 ft above sea level. Measuring point: Top of floor of shelter, 4.09 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.01 ft below land-surface datum, Mar. 22, 1991; lowest, 18.20 ft below land-surface datum, Oct. 30, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.28	11.63	9.96	9.58	9.01	8.83	9.43	8.85	8.48	---	---	---
10	12.37	11.07	9.64	9.41	9.10	8.68	9.51	8.86	8.51	---	---	---
15	12.42	10.71	9.55	9.16	9.10	8.78	9.72	8.76	8.47	---	---	---
20	12.26	10.33	9.34	9.03	8.91	8.91	9.39	8.39	8.72	---	---	---
25	12.06	10.27	9.37	9.17	9.02	9.18	8.99	8.55	8.95	---	---	---
EOM	11.95	10.07	9.48	8.99	8.97	9.30	9.00	8.45	---	---	---	---

WTR YR 1995 HIGH 8.30 MAY 28

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.30	11.94	9.98	9.63	9.06	8.95	9.45	8.88	8.48	---	---	---
10	12.40	11.15	9.83	9.46	9.13	8.69	9.56	8.89	8.54	---	---	---
15	12.44	10.77	9.56	9.19	9.26	8.81	9.74	8.79	8.53	---	---	---
20	12.32	10.45	9.35	9.04	8.95	8.94	9.77	8.41	8.76	---	---	---
25	12.07	10.29	9.39	9.21	9.05	9.23	9.01	8.63	8.99	---	---	---
EOM	12.03	10.09	9.49	9.03	9.00	9.32	9.04	8.48	---	---	---	---

WTR YR 1995 LOW 12.47 OCT 17

WASHINGTON COUNTY

383012086124501. Local number, WA 2.
LOCATION.--Lat 38°30'12", long 86°12'45", IN NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec.20, T.1 N., R.3 E., Washington County, Hydrologic Unit 05140104, on West Washington School Road, 5.1 mi north of Fredericksburg.
Owner: U.S. Geological Survey.

AQUIFER.--Limestone of Mississippian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 142.5 ft, cased to 101 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 780 ft above sea level, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1989 to current year.

REVISED RECORDS.--WDR IN-94-1: 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.57 ft below land-surface datum, June 8, 1990; lowest, 74.58 ft below land-surface datum, Jan. 3, 1993.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.47	73.41	72.96	72.53	72.39	72.44	72.10	72.13	71.01	71.52	72.48	72.76
10	73.58	73.39	72.61	72.48	72.45	72.15	72.22	71.95	71.12	71.67	72.15	72.86
15	73.52	73.41	72.80	72.40	72.37	72.12	72.26	72.02	71.14	71.89	72.38	72.99
20	73.46	73.25	72.62	72.20	72.37	72.02	72.21	71.01	71.34	72.12	72.43	72.87
25	73.60	73.32	72.63	72.40	72.50	72.15	71.93	67.91	71.35	72.23	72.54	72.86
EOM	73.50	73.08	72.49	72.24	72.51	72.00	72.17	70.98	71.45	72.50	72.70	73.06

WTR YR 1995 HIGH 67.86 MAY 26

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.73	73.66	73.01	72.62	72.48	72.50	72.14	72.20	71.07	71.57	72.81	72.85
10	73.66	73.47	72.78	72.51	72.63	72.20	72.30	71.99	71.17	71.78	72.27	72.92
15	73.71	73.51	72.85	72.45	72.66	72.19	72.36	72.14	71.23	71.96	72.53	73.06
20	73.59	73.38	72.65	72.27	72.42	72.09	72.37	71.35	71.44	72.18	72.53	72.98
25	73.66	73.38	72.65	72.45	72.63	72.21	72.05	71.61	71.41	72.36	72.66	73.00
EOM	73.65	73.15	72.56	72.31	72.58	72.07	72.26	71.09	71.54	72.53	72.76	73.11

WTR YR 1995 LOW 73.75 OCT 30

WAYNE COUNTY

394426085080601. Local number, WE 6.
LOCATION.--Lat 39°44'26", long 85°08'06", in SE$^1/_4$NW$^1/_4$NE$^1/_4$ sec.24, T.15 N., R.12 E., Wayne County, Hydrologic Unit 05080003, on county right-of-way, 750 ft east of State Highway 1, and 4.0 mi south of East Germantown.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 49 ft, cased to 47 ft, screened to 49 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 888 ft above sea level, from topographic map. Measuring point: Top of collar in shelter, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--September 1966 to current year.

REVISED RECORDS.--WDR IN-81-1: 1980.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.03 ft below land-surface datum, Jan. 1, 1991; lowest, 21.68 ft below land-surface datum, Feb. 1, 1977.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.06	19.00	19.50	19.13	18.23	17.92	16.89	15.17	12.19	13.18	14.69	16.01
10	18.23	19.12	19.54	19.18	18.12	17.68	16.93	15.01	12.52	13.39	14.81	16.27
15	18.40	19.22	19.48	19.17	18.08	17.28	16.99	14.59	12.84	13.65	14.96	16.53
20	18.56	19.30	19.38	19.00	18.05	17.06	17.04	11.53	13.14	13.92	15.16	16.77
25	18.70	19.38	19.23	18.70	18.01	16.95	15.93	11.23	13.03	14.17	15.41	17.01
EOM	18.88	19.45	19.14	18.39	17.99	16.89	15.42	11.81	13.08	14.46	15.73	17.23

WTR YR 1995 HIGH 11.14 MAY 23

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.10	19.03	19.51	19.13	18.25	17.94	16.90	15.20	12.24	13.25	14.72	16.07
10	18.26	19.15	19.54	19.20	18.13	17.78	16.94	15.05	12.58	13.43	14.84	16.32
15	18.43	19.23	19.50	19.18	18.09	17.35	17.00	14.78	12.91	13.70	14.99	16.58
20	18.59	19.31	19.41	19.04	18.06	17.10	17.06	12.12	13.17	13.98	15.21	16.83
25	18.73	19.40	19.26	18.76	18.03	16.97	16.06	11.32	13.04	14.22	15.46	17.05
EOM	18.90	19.47	19.15	18.43	17.99	16.90	15.49	11.90	13.10	14.51	15.78	17.27

WTR YR 1995 LOW 19.54 DEC 9

WELLS COUNTY

404331085064701. Local number, WL 4.
LOCATION.--Lat 40°43'31", long 85°06'47", in SE$^1/_4$NW$^1/_4$NE$^1/_4$ sec.12, T.26 N., R.12 E., Wells County, Hydrologic Unit 05120101, 3.5 mi southeast of Bluffton on Hwy 316 to entrance of Quabache State Park.
Owner: U.S. Geological Survey.

AQUIFER.--Silty dolomite of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 79 ft, cased to 46 ft, open end.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 826.04 ft above sea level. Measuring point: Top of floor of shelter, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--January 1967 to current year. (Semi-annual tape-down readings only September 1971 to December 1981.)

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.70 ft below land-surface datum, Apr. 4, 1973; lowest, 25.21 ft below land-surface datum, Sept. 24, 1988.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.53	24.48	24.69	24.83	---	---	24.03	23.32	22.83	22.91	24.07	24.16
10	24.71	24.77	24.59	24.89	---	---	23.27	23.17	22.89	23.19	22.56	24.17
15	24.62	24.74	24.78	24.69	---	23.64	23.17	23.64	23.07	23.78	22.57	24.24
20	24.55	---	24.72	24.26	---	23.56	23.09	23.07	23.43	23.80	22.79	24.16
25	24.63	---	24.72	---	---	24.08	22.96	22.83	23.45	23.81	23.44	24.16
EOM	24.35	24.84	24.72	---	---	24.01	23.20	22.99	22.45	24.10	23.82	24.32

WTR YR 1995 HIGH 22.01 AUG 12

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.63	24.72	24.86	25.05	---	---	24.24	23.45	22.88	23.02	24.23	24.23
10	24.76	24.90	24.83	25.02	---	---	23.83	23.28	23.14	23.38	23.19	24.25
15	24.69	24.81	24.84	24.76	---	23.73	23.27	23.89	23.26	23.87	22.91	24.34
20	24.64	---	24.78	24.50	---	23.71	23.36	23.22	23.68	23.85	22.85	24.31
25	24.70	---	24.80	---	---	24.18	23.15	22.94	23.56	23.89	23.54	24.27
EOM	24.62	24.96	24.79	---	---	24.09	23.48	23.08	22.57	24.17	23.96	24.37

WTR YR 1995 LOW 25.07 JAN 9

WHITE COUNTY

404914086403001. Local number, WT 4.
LOCATION.--Lat 40°49'14", long 86°40'30", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec.5, T.27 N., R.2 E., White County, Hydrologic Unit 05120106, in the southwest corner of the Pious Chapel property, 4.25 mi north of Idaville.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in., depth 134 ft, cased to 129 ft, screened to 134 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 683.06 ft above sea level. Measuring point: Top of casing, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.65 ft below land-surface datum, Jan. 7, 1993; lowest, 13.66 ft below land-surface datum, Aug. 3, 1991.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.74	5.74	5.22	4.83	4.35	4.71	4.27	3.81	3.09	4.10	5.78	6.75
10	5.83	5.64	4.63	4.95	4.38	3.81	4.07	3.87	3.41	5.57	5.10	6.24
15	5.84	5.44	4.62	4.49	4.50	3.73	3.38	3.87	3.71	9.43	9.65	6.32
20	5.84	5.31	4.63	4.07	4.55	3.73	3.44	3.43	3.97	4.96	10.12	6.28
25	5.91	5.39	4.69	4.12	4.69	4.10	3.56	3.01	5.74	---	7.49	6.33
EOM	5.80	5.34	4.75	4.21	4.76	4.17	3.72	2.69	4.12	5.28	6.08	6.43

WTR YR 1995 HIGH 2.64 MAY 29

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.78	5.90	5.28	4.93	4.41	4.79	4.34	3.86	3.12	4.14	6.87	7.00
10	5.87	5.69	4.76	5.00	4.49	3.98	4.35	3.93	3.45	7.41	6.34	6.26
15	5.87	5.46	4.67	4.64	4.63	3.76	3.43	3.94	3.78	11.09	10.67	6.36
20	5.89	5.46	4.67	4.14	4.62	3.80	3.53	3.53	4.35	5.27	10.60	6.35
25	5.95	5.46	4.72	4.16	4.79	4.12	3.63	3.22	6.11	---	8.00	6.37
EOM	5.96	5.38	4.81	4.26	4.82	4.20	3.76	2.74	4.18	8.27	6.12	6.46

WTR YR 1995 LOW 11.24 JUL 16

WHITLEY COUNTY

410337085264201. Local number, WY 3.
LOCATION.--Lat 41°03'37", long 85°26'42", in NW¼SE¼NW¼ sec.18, T.30 N., R.10 E., Whitley County, Hydrologic Unit 05120104, on the county right-of-way of Evergreen Road, and 0.75 mi north of Laud.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 191 ft, cased to 187 ft, screened to 191 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 870 ft above sea level, from topographic map. Measuring point: Top of floor of shelter, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--December 1966 to September 1971, August 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.30 ft below land-surface datum, Mar. 27, 1976; lowest, 53.13 ft below land-surface datum, Sept. 11, 1995.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.12	52.01	52.39	52.63	52.58	52.62	52.47	52.35	52.28	52.45	52.61	53.00
10	52.22	52.30	52.35	52.64	52.38	52.77	52.44	52.12	52.25	52.51	52.59	52.99
15	52.23	52.43	52.57	52.50	52.48	52.61	52.39	52.30	52.46	52.69	52.79	53.00
20	52.13	52.27	52.59	52.32	52.51	52.31	52.17	52.25	52.51	52.62	52.83	52.91
25	52.20	52.42	52.59	52.68	52.63	52.59	52.26	52.36	52.47	52.52	52.85	52.85
EOM	51.98	52.45	52.55	52.43	52.67	52.51	52.28	52.38	52.40	52.76	52.82	52.91

WTR YR 1995 HIGH 51.90 NOV 1

LOWEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.25	52.25	52.50	52.83	52.68	52.79	52.62	52.42	52.40	52.50	52.71	53.11
10	52.29	52.42	52.55	52.76	52.59	52.85	52.53	52.23	52.38	52.62	52.70	53.08
15	52.32	52.53	52.70	52.65	52.72	52.78	52.53	52.43	52.60	52.77	52.85	53.07
20	52.25	52.56	52.70	52.42	52.67	52.45	52.34	52.29	52.60	52.66	52.89	53.04
25	52.28	52.50	52.66	52.78	52.80	52.67	52.40	52.49	52.58	52.62	52.96	52.99
EOM	52.26	52.63	52.71	52.63	52.83	52.60	52.39	52.46	52.45	52.81	52.92	53.00

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*U.S. GOVERNMENT PRINTING OFFICE: 1996-746-141/40015

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

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 for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.